
Preface



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Personal Data

Name: Muralikrishnan Dhanasekaran

Title: Professor
Director of International Programs
Founding Program Director B.S. Drugs and Biopharmaceutical Sciences (Mission Enhancement Fund-MEF)

Affiliation: Department of Drug Discovery & Development
Harrison College of Pharmacy
Auburn University
3306B Walker building,
Auburn, AL, 36849

Work Phone: (334) 844-8327

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Email: dhanamu@auburn.edu

Citizen: United States of America

Passport: United States of America

Date of Birth: December 25, 1970

Marital Status: Married

Child: Son

Home Address: 715 Belmonte Drive
Auburn, AL, 38830, USA

Education:

1999 Ph.D., Indian Institute of Chemical Biology / College of Pharmacy, Jadavpur University, Jadavpur, Kolkata, West Bengal 700032, India

1995 M. Pharmacy, College of Pharmacy, Jadavpur University, Jadavpur, Kolkata, West Bengal 700032, India

1995 Post Graduate Diploma in Personnel Management & Industrial Relationship, Annamalai University, Annamalai Nagar, Chidambaram, Tamil Nadu 608002, India

1992 B. Pharmacy, Annamalai University, Annamalai Nagar, Chidambaram, Tamil Nadu 608002, India

Academic Career:

- 1993-1995: Junior Research Fellow, Jadavpur University, Kolkata, West Bengal, India
- 1996-1998: Senior Research Fellow, Indian Institute of Chemical Biology (IICB), Kolkata, West Bengal, India
- 1999: Post-Doctoral Fellow (University of Nebraska Medical Center, Omaha, NE)
- 1999-2001 Research Instructor (University of North Dakota School of Medicine and Health Sciences, Grand Forks, ND)
- 2001-2005 Research Associate Professor/Research Scientist (Texas A & M Health Sciences, Temple, TX/ Scott & White Hospital, Temple, TX)
- 2005-2009 Assistant Professor, Department of Pharmacology and Toxicology/Department of Pharmacal Sciences, Harrison School of Pharmacy, Auburn University
- 2010-2017 Associate Professor, Department of Pharmacology and Toxicology/Department of Pharmacal Sciences, Harrison School of Pharmacy, Auburn University
- 2014-current: Visiting Professor, Alwar College of Pharmacy, Alwar, Rajasthan, India
- 2018-current: Professor, Department of Drug Discovery and Development, Harrison College of Pharmacy, Auburn University
- 2023-current: Program Director-Mission Enhancement Fund, Bachelor of Science Degree Program, "Drug and Biopharmaceutical Sciences," Department of Drug Discovery and Development, Harrison College of Pharmacy, Auburn University
- Director of International Programs, Harrison College of Pharmacy, Auburn University

Summary of Leadership Credentials:

- ❖ Spearheaded committees in “Leadership Roles” that explicitly pertained to Education, Research, Teaching, and Service associated with
 - ✓ Undergraduate students
 - ✓ Graduate students
 - ✓ Honor college students
 - ✓ Pharm.D. students
 - ✓ International students
- ❖ Currently, continuing seventeen years of being actively engaged in Auburn University, Senate, and various administrative committees and governance
- ❖ Initiate a New B.S. Bachelor of Science Degree Program in “Drug and Biopharmaceutical Sciences” Program in the Department of Drug Discovery and Development, Harrison College of Pharmacy
- ❖ Continuous, dynamic involvement in the Analysis and Assessment of Core Curriculum, General Education, and Academic Programs at the School/College and University level
- ❖ An acknowledged advocate of promoting Undergraduate, Graduate, and Pharm. D student’s success through teaching and in scholarly mentoring roles
- ❖ Dedicated faculty in committees to promote Auburn University Faculty Success Implementation and Auburn University Faculty and HCOP student awards
- ❖ Counsel and actively engage in faculty campaigns and committees to assess grievance and dismissal procedures
- ❖ Facilitate in judging competitive student academic presentations during university-wide seminars and thesis participation
- ❖ Initiating a Memorandum of Understanding (MOU) regarding teaching and research with several foreign universities
- ❖ Dedicatedly involved with Auburn University Outreach to promote outreach and engagement mission with communities, businesses, schools, and government to help people meet their educational goals and to improve their quality of life all across our state
- ❖ Enthusiastically engaged with student welfare (Mental and Health) and success
- ❖ Mentoring young faculty in the United States and globally to reach their academic and research goals
- ❖ Proficiency in a language other than English:
 - ✓ Tamil
 - ✓ Hindi
 - ✓ Bengali

List of Honors, Awards, and Presentations:

2023

Panel Discussion, Cancer & Immunity Employing Transdisciplinary Approaches, Hajipur, Bihar, 2023

Cannabis: A potent prophylactic and therapeutic natural bioactive, 1st international Meeting, Cancer & Immunity Employing Transdisciplinary Approaches, Hajipur, Bihar, 2023

Guest of Honour, INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN CANCER THERAPEUTICS", Department of Pharmacology & Toxicology, National Institute of Pharmaceutical Education and Research, Kolkata, West Bengal, India, July-2023

Nutraceuticals for current and future Healthcare. Keynote Address, National Institute of Homeopathic Medicine, Kolkata, West Bengal, India, / Department of Pharmacology & Toxicology National Institute of Pharmaceutical Education and Research, Kolkata, West Bengal, India, July-2023

Best Pharmaceutical Mentor Award-2023, All India Society for Advanced Education and Research, Alwar Pharmacy College, June-2023

War Eagle & Auburn University, Jagadguru Sri Shivarathreeshwara (JSS) Academy of Higher Education and Research, Udhagamandalam - 643 001, Tamil Nadu State, India, June-2023

Best International Leadership award-2023, 8th institutional convocation of Rajasthan University of Health Sciences, Jaipur India, June-2023

War Eagle & Auburn University, Jagadguru Sri Shivarathreeshwara (JSS) Academy of Higher Education and Research, Mysuru 575015, Karnataka State, India, Jaipur India, June-2023

Guest of Honor, 8th institutional convocation of Rajasthan University of Health Sciences, Jaipur India, Jaipur India, June-2023

"Breakthrough to Excellence: Achieving a Networked Community", Conducting Workshop at the International Conference on Social Research and Innovation (ICSRI 2023), Institute for Research and Innovation, Villa College, Male', Maldives, June-2023.

Novel prophylactic and therapeutic strategies for the current and future healthcare, A Faculty and Student interaction, University of Patanjali (UoP), Dr. Vedapriya Arya, Patanjali Yog Peeth, Roorkee-Haridwar Road, Haridwar, Uttarakhand, India

"Can Cannabis drastically impact the Cosmetic World?" Sri Ramachandra Institute of Higher Education and Research, formerly Sri Ramachandra University, formerly Sri Ramachandra Medical College and Research Institute, Porur, Chennai, India.

Advanced pharmacological screening models in neurological disorders, Indian Pharmacy Graduate Association, India.

Natural Bioactives Counteracts Hyperglycemia and hypoarousal-induced Cognitive Impairment, IQAC, Palamuru University, Mahabubnagar & Indian Pharmacy Graduate Student Association, Telangana State Branch, Jointly Organizing Faculty Development Programme, On Challenges and Prospects of Pharma Industry and Research, 15th - 21st April, 2023

"Cannabis: A Miracle Natural Bioactive with Loads of Myth and Novel Pharmacodynamic Actions for Global Healthcare?" International Conference of Achieving Holistic Health through Ayurveda along with Advanced Technologies, Ministry of Ayus, New Delhi, India, Center of Excellence, Patanjali Ayurvedic Hospital, Haridwar, Utt Patanjali Research Institute and University of Patanjali, Haridwar, 1 - 3 May, 2023

2022

Potential Therapeutic Implications of Designer Drugs, Marmara University, Istanbul, Turkey (December 27, 2002)

Nutraceutical Values of Ethnobotanicals, Villa College QI Campus, Rah Dhebai Hingun, Male, Maldives

A valid Evaluation of the COVID - 19 Induced Detrimental Impact with other Prevalent Viral - Induced Pathologies', Surya School of Pharmacy, Vikravandi, Villupuram, Tamil Nadu - 605 652.

International Advisory Board Member for SRM College of Pharmacy, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu, Tamil Nadu, India

An effective scientific assessment of the SARS-COV-2 caused pathologies "Compared" with other common viral infections, Maharaja Agrasen School of Pharmacy, Maharaja Agrasen University, Baddi, Himachal Pradesh, India

The Distinct "Don'ts" for the Forthcoming Pharmacy Education, Association of Pharmaceutical Teachers of India (APTI), Rajasthan, India

Novel Pharmacological actions of new designer drugs, School of Medicine and Allied Sciences, K.R. Mangalam University, Gurugram, Haryana, India.

Resource Person and Chief Guest, School of Medicine and Allied Sciences, K.R. Mangalam University, Gurugram, Haryana, India.

“Academic Excellence Award-2022”, All India Society for Advance Education & Research, Alwar Pharmacy College, and the Managing Society.

Chief Guest and Keynote Address at the Institutional Convocation, Alwar Pharmacy College as the consequence of Seventh Convocation of Rajasthan University of Health Sciences, Jaipur, Rajasthan, India

New Psychoactive Substances: Past, Current, and Future, Delhi Pharmaceutical Sciences and Research University (DPSRU), Department of Pharmaceutical Chemistry, PushpVihar, New Delhi, India.

QSAR of antiviral agents Vs SARS CoV-2: An overview, sponsored by Indian Pharmacy Graduates Association (IPGA), New Delhi, and conducted at MESCO Institute of Pharmacy, Amroha, Uttar Pradesh, India.

Role of New Psychoactive Substances, Sankaralingam Bhuvaneshwari College of Pharmacy, Sivakasi, Tamil Nadu, India

Designer Drugs for the Future, College of Pharmacy, Madurai Medical College, Tamil Nadu, India

Future of Pharmacist in Health Care, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu, Tamil Nadu, India

Women in Health Care, Inter University Centre for Biomedical Research & Super Specialty Hospital, Mahatma Gandhi University Campus at Thalappady, Rubber Board PO, Kottayam - 686009, Kerala State, India.

Professional Aspects of Pharmacy, Department of Pharmaceutical Science, Centre for Professional and Advanced Studies, Kerala University of Health Sciences, Mahatma Gandhi University, SME, Cheruvandoor Campus, Kottayam, Kerala, India.

Cannabis for the Future, Department of Pharmaceutical Technology, Anna University Chennai, BIT, Tiruchirappalli-620 024, Tamil Nadu, India.

Recent advances in Pharmacological Basis of Drug Research, College of Pharmacy, Sri Ram Nallamani Yadava Educational Institutions, Tenkasi, Tamilnadu, India

Bioactive Molecules for Wound Care, MHRD-SPARC - International Workshop (Online) on "Nanofibre Based Biomedical Healthcare Materials For Infection Control" 20th – 2022

Designer Drugs: A Modern Day Threat Or a Future Therapeutic Target, DCO India, Indian Pharmacy Graduate's Association, Webinar/Zoom Presentation, 2022

Chair, Honors and Awards Committee, Department of Drug Discovery and Development (DDD), Harrison College of Pharmacy, Auburn University

"Auburn University, The place to be," Outreach lecture, Ocean University, Qing Dao, China

2021

Importance and Need of clinical pharmacy practice and pharmacovigilance program for India, APC Online Convention-2021

Chair, Medicine Section, 25th Technological Advances in Science, Medicine, and Engineering (TASME) meeting, Toronto, Canada

Validation of neuroprotective effect of botanicals by applying contemporary scientific methods of investigation, Mescos Institute of Pharmacy, Amroha, Uttar Pradesh, India

Special Guest Address, Technological Advancement, and Manufacturing of Biosimilars for Cancer Therapy: Present Hurdles and Future Prospects, National Institute of Pharmacy Education and Research (NIPER), Hajipur, India

Job opportunities for Pharmacy Graduates in the USA, St. James College of Pharmaceutical Sciences, Chalakudy, Kerala

Novel Strategies to Prevent and Treat Neurodegenerative Diseases - Pharmacological Approach, NIMS, Jaipur, Rajasthan, India

Ancient Indian Medical System aiding the development of current prophylactic and therapeutic interventions " SRM College of Pharmacy, SRM Institute of Science and Technology. Kattankulathur, Tamil Nadu – 603203

Introduction to B. S. / M.S. (3 + 2) Program offered by Harrison School of Pharmacy, Auburn University, Ocean University Pharmacy School, Qing Dao, China

Neuroprotective effect and mechanisms of synthetic and natural products, Department of Pharmacology, School of Medical Sciences, University of Cape Coast, Ghana

Visiting Professor, School of Medicine and Pharmacy, Qingdao, Ocean University of China (Online Lecture)

2020

Auburn University Author Award, Auburn University

Invited Webinar Speaker- "An Ancient Indian Medicinal Wealth" for Current and Future Worldwide Health Care, Bharath Institute of Higher Education and Research, Chennai, Tamil Nadu, India,

Invited Webinar Speaker on Foundation Day National Institute of Pharmacy Education and Research (NIPER), Kolkatta, West Bengal, India, Transcriptomics in Parkinson's disease

Invited Webinar Speaker-International Virtual Conference on Advancement in Biopolymers and their Nanostructures in Wound healing, Kumaraguru College of Technology, Coimbatore, Tamil Nadu, India, Biomaterials for Wound Healing and Infection control

Visiting Professor, School of Medicine and Pharmacy, Qingdao, Ocean University of China (Online Lecture)

Invited Webinar Speaker-Periyar College of Pharmaceutical Sciences, Tiruchirappalli, TN, India, Designer Professional role of the pharmacist in the current Pandemic

Invited Webinar Speaker-Pharmacy School, Annamalai University, Annamalai Nagar, TN, India, Validating Ayurvedism with the current therapeutic concepts for the management of Movement and Mental disorders

Invited Webinar Speaker-Adhiparasakthi College of Pharmacy, Melmaruvathur, TN, India, "Designer Drugs Accountability of the Pharmacists."

Invited Webinar Speaker-Alwar College of Pharmacy, Alwar, Rajasthan, India, Predictable Hematological Markers Associated with Cognitive Decline in Valid Rodent Models of Cognitive Impairment

Invited Webinar Speaker-Pannai College of Pharmacy, Palani, TN, India, Pharmacist's role (Health-Care Professional) for Efficient and Augmented Patient Care against COVID

Invited Webinar Speaker-Arul Migu Kalasalingam College of Pharmacy, Srivilliputhur, TN, 2020, "Ayurvedic way of life to reduce neurodegeneration."

2019

Visiting Professor, School of Medicine and Pharmacy, Qingdao, Ocean University of China

Invited Speaker at the World's Largest Pharmaceutical Sciences Conference, IPC, Sri Ramachandra Institute of Higher Education and Research, Chennai, 2019

Invited Speaker-Periyar College of Pharmaceutical Sciences, Tiruchirappalli, TN, 2019

Visiting Professor, Ajman University, Ajman aljerf 1, United Arab Emirates.

SIRT3 activator Honokiol attenuates β -Amyloid, School of Medicine and Pharmacy, Qingdao, Ocean University of China, 2019

How to Read and Analyze a Scientific Article? School of Medicine and Pharmacy, Qingdao, Ocean University of China, 2019

Art & Science of Scientific Expression & Acceptance, School of Medicine and Pharmacy, Qingdao, Ocean University of China, 2019

New Hippocampal Neurotoxin: Piperazine Abuse can lead to memory impairment, School of Medicine and Pharmacy, Qingdao, Ocean University of China, 2019

Centella asiatica reduces beta-amyloid and exhibits neuroprotection in an animal model of Alzheimer's disease, School of Medicine and Pharmacy, Qingdao, Ocean University of China, 2019

Polyphenols: An innovative & a beneficial molecule to reduce cognitive impairment, School of Medicine and Pharmacy, Qingdao, Ocean University of China, 2019

2018

Invited Speaker at the World's largest Pharmaceutical Sciences Conference, IPC, Amity University, New Delhi, 2018

Editor, Medicinal and Aromatic Plants of the World, Springer

Visiting Professor, School of Medicine and Pharmacy, Qingdao, Ocean University of China

Selected to attend CIPhER Summer Institute in Evidence-based Teaching and Course Design (May 21-24, 2018), the University of North Carolina Eshelman School of Pharmacy in Chapel Hill, NC

Audiovisual Stimulation to Cortical Consolidation- Alzheimer's disease, School of Medicine and Pharmacy, Qingdao, Ocean University of China, 2018

Neuroprotective Effects of Botanicals in Alzheimer's and Parkinson's disease, School of Medicine and Pharmacy, Qingdao, Ocean University of China, 2018

Research: Do's and Don'ts, School of Medicine and Pharmacy, Qingdao, Ocean University of China, 2018

Designer Drug: "Peril" or "Boon," School of Medicine and Pharmacy, Qingdao, Ocean University of China, 2018

2017

Invited Speaker at the World's largest Pharmaceutical Sciences Conference, IPC, Chitkara University, Rajpura, 2017

International Invited Scientific Guest Lecture, Novel Therapeutic Approaches in the Treatment of Alzheimer's disease, Anna University, 2017, Tiruchirappalli, India

Member of Education Advisory Council, Alwar College of Pharmacy, Alwar, India

Member of Education advisory council, University College of Engineering, Anna University, BITS campus, Tiruchirappalli

Professionalism in pharmacy education, IPC, Chitkara University, Rajpura, 2017

Novel Therapeutic Approaches in the Treatment of Alzheimer's disease, Anna University, 2017, Tiruchirappalli, India

2016

International Invited Lecture, Novel and valid model of Pharmacy education, RAJAPTICON 2016, Alwar, India

Outstanding Teacher Award, Presented by the Student Government Association (SGA), Auburn University

Neuroprotective effects of botanicals in various neurological disorders, School of Pharmacy, Concordia University, Wisconsin, November-16, 2016

Neuroprotective effects of botanicals in various neurological disorders, College of Pharmacy, University of New England, Maine, November-3, 2016

Molecular mechanisms of neuroprotection and cognitive enhancement by *Centella asiatica*, Sabinsa Pharmaceuticals, Bengaluru, India, March-14, 2016

2016 - Present

Adjunct Faculty, Professor, Tuskegee University

-
- 2014** Outstanding Auburn University Graduate Mentor Award, Presented by Graduate School, Auburn University
- Inducted into the Rho Chi Pharmacy Honor Society
- 2013** Faculty Graduate Advisor Award, Presented by Provost, Auburn University
- 2012** Selected HSOP faculty to attend AACP Institute Cultural Competence
- 2009** Outstanding Teacher Award, Presented by the Student Government Association (SGA), Auburn University
- Hargraves Faculty Mentor Award, Harrison School of Pharmacy, Auburn University
- 2000** "Uvnas Prize," Indian Pharmacological Society, Best Scientific manuscript
- 1998** Young Scientist Award, Asian Pacific Society for Neuroscience, 4th Annual meeting, Seoul, South Korea
- Young Scientist Travel Grant, Council of Scientific and Industrial Research (CSIR), Govt. of India
- 1995** Senior Research Fellowship Award- Council of Scientific and Industrial Research (CSIR), Govt. of India
- 1993** Indian Drug Manufacturing Association award, Nationally securing the highest mark in final B. Pharmacy
- Junior National Research Fellowship Award - Graduate Aptitude Test Examination (GATE), Department of Science and Technology, Govt. of India
- 1992** Gold Medalist in B. Pharmacy (First in rank, Annamalai University)

Students awards under my mentorship:

- ✦ Sindhu Ramesh, 2023 Auburn University Graduate School Distinguished Dissertation Awards
- ✦ Jacoya Cartnail-Riddick, 3rd Place, Poster Award, 2023 Diversity in Aging Research, Auburn University, July-11, 2023.
- ✦ Suhrud Pathak, Ro Chi fellow, Harrison College of Pharmacy, Auburn University
- ✦ Suhrud Pathak, Nomination for Merriweather fellowship, Harrison College of Pharmacy, Auburn University
- ✦ Sindhu Ramesh, Best Presentation in Neuroscience/Substance Use Disorders, Harrison College of Pharmacy Division of Research, inaugural Research Showcase, Auburn University, 2022
- ✦ McCain, Philip, HCOP, College and School Awards, Auburn University Research Symposium, 2022
- ✦ Dylan Bowen, HSOP, College and School Awards, Auburn University Research Symposium, 2022
- ✦ Sindhu Ramesh, Poster First place, Auburn VCOM Research Day Presentation, VCOM, Auburn, AL, 2022
- ✦ Anna Solomonik, First Place, Auburn University-Wide Undergraduate Student Winners in Science, Technology, Engineering, and Mathematics, 2021
- ✦ Austin Moore, HSOP, College and School Awards, Auburn University Research Symposium, 2021
- ✦ Kelli McDonald, Graduate Student Winner, HSOP, College and School Awards, Auburn University Research Symposium, 2021
- ✦ Anna Wilson, Undergraduate Student Winner, HSOP, College and School Awards, Auburn University Research Symposium, 2021
- ✦ Caroline Jackson, First place, 2020 Auburn VCOM Research Day poster, VCOM, Auburn, AL
- ✦ Soorya Rajendran, 2019, Undergraduate Research Award, Auburn Research Student Symposium
- ✦ Tyler Lynd, 2019, Undergraduate Research Award, Auburn Research Student Symposium
- ✦ Mary Claire Carlton, 2019, Undergraduate Research Award, Auburn Research Student Symposium.

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- ✪ Mohammed Majrashi, 2019, Outstanding International Graduate Student, Auburn University
 - ✪ Sindhu Ramesh, 2019, Outstanding Graduate (Master's) Student, Auburn University
 - ✪ Mohammed Majrashi, 2018, First prize in Ph.D. Biological Student Poster Competition, Science & Technology Open House, hosted by Tuskegee University and Sponsored by Alabama NSF EPSCoR, Montgomery, AL
 - ✪ Tyler Lynd, 2018, Auburn University, Undergraduate Research Fellowship
 - ✪ Ayaka Fujihashi, 2018, Auburn University, Undergraduate Research Fellowship
 - ✪ Mohammed Almaghrabi, 2018, Best Oral Presentation, AU Research Day
 - ✪ Marlee Morgan, 2017, Second prize, Poster presentation, Auburn University, Research Symposium.
 - ✪ Dwipayan Bhattacharya, 2013, Graduate school thesis/dissertation award, Auburn University.
 - ✪ Manuj Ahuja, 2012, Graduate Travel Scholarship for SFN, Graduate School, Auburn University.
 - ✪ Manuj Ahuja, 2012, Tillery Award Pharmacal Sciences, Best Graduate Student, Auburn University.
 - ✪ Manuj Ahuja, 2012, Outstanding Graduate Student Award in Pharmacal Sciences, Auburn University.
 - ✪ Kariharan Thiruchelvan, 2009: Graduate Student Travel Support to attend the Annual Meeting of the Society of Toxicology (SOT) March 15-19, 2009, in Baltimore, Maryland.
 - ✪ Kariharan Thiruchelvam was invited to Chair the “receptor and ion channel” section at the annual meeting of the Society for Toxicology, Baltimore, Maryland. March 2009
 - ✪ Kariharan Thiruchelvam, travel award to present a talk on “prenatal nicotine exposure and the mechanism of memory loss” at the International Neurotoxicology Association, Jerusalem, Israel, July 2009
 - ✪ Senthilkumar Shanmugam, 2009: Graduate Student Travel Support to attend the Annual Meeting of the Society of Toxicology (SOT) March 15-19, 2009, in Baltimore, Maryland.
 - ✪ Senthilkumar Shanmugam, 2008: Travel grant to 29th Annual meeting of the Southeastern Pharmacology Society held in Charleston, SC.
 - ✪ Senthilkumar Shanmugam, 2008: Outstanding Graduate Student Award in Pharmacal Sciences, Auburn University.

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- ✪ Uthayathas Subramaniam - Auburn University's one of Top Outstanding Doctoral Student Awards, 2008.
 - ✪ Uthayathas Subramaniam- "South Carolina College of Pharmacy Travel Award" to attend the 29th Annual Southeastern Pharmacology Society Meeting held in Charleston, SC, 2008.
 - ✪ Uthayathas Subramaniam-Outstanding Graduate Student Award (2007) by the Office of International Education, Auburn University.
 - ✪ Uthayathas Subramaniam - Greenbaum Travel award for the oral presentation entitled "Enhancement of synaptic plasticity through chronic administration of phosphodiesterase-5 inhibitors in mice". At the conference of the 28th Annual meeting of the Southeastern Pharmacology Society held in Augusta, Georgia, 2007.
 - ✪ Senthilkumar Shanmugam, 2007: Graduate school Travel Award to attend the Annual Meeting of Society for Neuroscience, San Diego, CA
 - ✪ Senthilkumar Shanmugam, 2007: Travel grant to 28th Annual meeting of the Southeastern Pharmacology Society held in Augusta, GA
 - ✪ Uthayathas Subramaniam-Travel award for the oral presentation entitled "Evaluation of Neuro-Pharmacological Properties of Sildenafil (VIAGRA®)." At the conference of 27th Annual Meeting of the Southeastern Pharmacology Society held in Oxford, MS, 2006.

Research / Creative Work

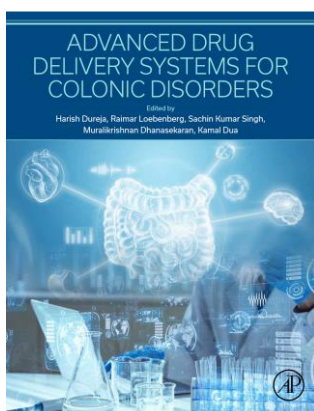
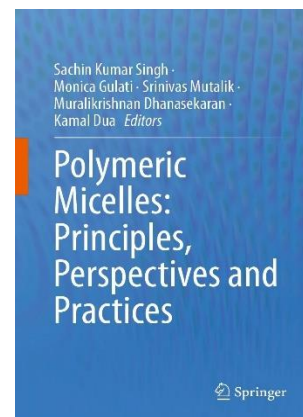
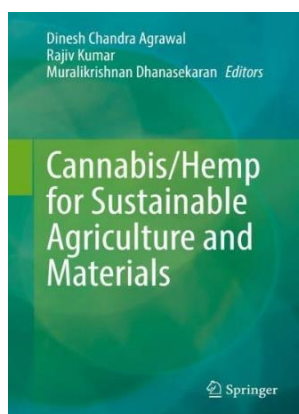
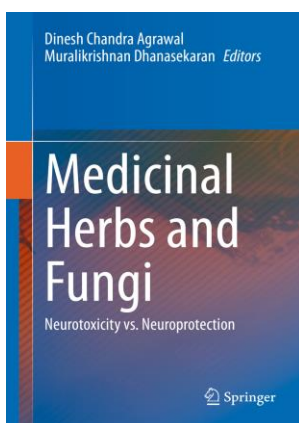
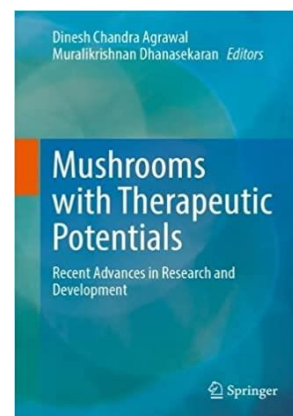
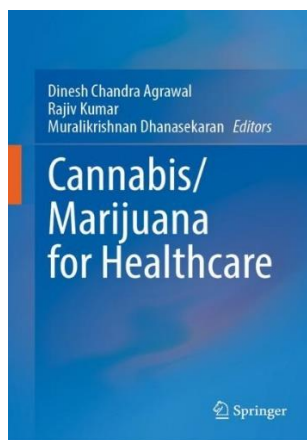
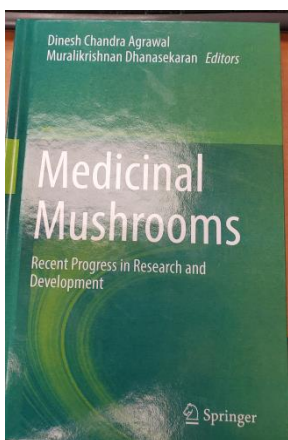
Thesis and Dissertation
Books <ul style="list-style-type: none">✪ Book (Editor)✪ Book chapters
Article-Length Publications <ul style="list-style-type: none">✪ Publications in Peer-Reviewed Journals
Abstracts: <ul style="list-style-type: none">✪ International✪ National
Grants and Contracts <ul style="list-style-type: none">✪ Funded✪ Completed
Patents
Other Research/Creative Contributions

Thesis/Dissertation Work:

- B. Pharmacy: Differential spectrophotometric estimation of Trifluoperazine hydrochloride
Mentor: Dr. K. Kannan
Professor and Head,
Department of Pharmacy, Annamalai University, Annamalai Nagar, Chidambaram, Tamil Nadu 608002, India
- M. Pharmacy: Studies on percutaneous absorption in vitro of Piroxicam from Formulation
Mentor: Dr. S.K. Basu
Professor
Department of Pharmacy, Jadavpur University, Jadavpur University, Jadavpur, Kolkata, West Bengal 700032, India
- Ph.D.: Neuroprotective studies against MPTP-induced neurotoxicity
Mentor: Dr. K. P. Mohanakumar
Chief Scientist G,
Indian Institute of Chemical Biology, Jadavpur, Kolkata, West Bengal 700032, India

Published Books-Editor:

1. Agrawal, Dinesh Chandra, Dhanasekaran, Muralikrishnan (Eds.), Medicinal Mushrooms, Recent Progress in Research and Development, Springer, 1st ed. 2019, X, 418 p.
2. Agrawal, Dinesh Chandra, Dhanasekaran, Muralikrishnan (Eds.), Herbs and Fungi, Neurotoxicity and Neuroprotection. 1st ed. 2021 Edition
3. Cannabis/Hemp for Sustainable Agriculture and Materials, Springer Publications, Prof Edited by: Prof. Dr. Dinesh Chandra Agrawal, Dr. Rajiv Kumar, and Prof. Dr. Muralikrishnan Dhanasekaran, 2022
4. Cannabis/Marijuana for Healthcare, Springer Publications, Prof Edited by: Prof. Dr. Dinesh Chandra Agrawal, Dr. Rajiv Kumar, and Prof. Dr. Muralikrishnan Dhanasekaran, 2022| 1st edition
5. Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development Hardcover – 6 Mar. 2023, English edition by Dinesh Chandra Agrawal (Herausgeber), Muralikrishnan Dhanasekaran (Herausgeber)
6. Polymeric Micelles: Principles, Perspectives and Practices – April. 2023, Edited by Sachin Kumar Singh, Monica Gulati, Srinivas Mutalik, Muralikrishnan Dhanasekaran, Kamal Dua
7. Drug Delivery Systems for Clonic Disorders, 2023, Elsevier Inc by: Dr. Kamal Dua, Dr. Harish Dureja, and Prof. Dr. Muralikrishnan Dhanasekaran



Book Proposal accepted and under Production:

- ✓ Novel Intervention of Artificial Intelligence in Neuroscience, Springer Dr. Mullaicharam Bhupathyraaj, Dr. Reeta Vijayarani. K, Dr. Mohammed Essa, and Prof. Dr. Muralikrishnan Dhanasekaran,
- ✓ Computational Drug Discovery Molecular Simulation for Medicinal Chemistry, Prof. Dr. Pooja A. Chawla, Dr. Dilpreet Singh, Dr. Kamal Dua, Prof. Dr. Muralikrishnan Dhanasekaran, Prof. Dr. Viney Chawla, Walter de Gruyter GmbH, Genthiner Str. 13, 10785 Berlin, Germany
- ✓ Computational Drug Discovery Molecular Simulation for Pharmaceutical Formulation, Prof. Dr. Pooja A. Chawla, Dr. Dilpreet Singh, Dr. Kamal Dua, Prof. Dr. Muralikrishnan Dhanasekaran, Prof. Dr. Viney Chawla, Walter de Gruyter GmbH, Genthiner Str. 13, 10785 Berlin, Germany

Book-Chapters:

55. Kodeeswaran Parameshwaran, Mohammed Almaghrabi, Randall C. Clark, and Muralikrishnan Dhanasekaran, Bioactives and Pharmacology of Rauvolfia tetraphylla L. (Family Apocynaceae). Phytochemical Composition and Pharmacy of Medicinal Plants volume 1, Apple Academic Press, 2023.
54. Rishi M. Nadar¹, Jack Deruiter¹, Suhrud Pathak¹, Sindhu Ramesh¹, Manoj Govindarajulu¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Innovative neuroprotective and neurorestorative impact of Synbiotics as a nutraceutical adjuvant, "Emerging Trends in Synbiotics: Biology to Drug Delivery". "Advanced drug delivery approaches containing Synbiotics, SPRINGER-Nature Singapore, 2023.
53. Suhrud Pathak¹, Rishi M. Nadar¹, Satyanarayana Pondugul¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹. Optimal distinctive pharmacokinetic & pharmacodynamic profiles and imminent Safety assessments associated with "Ideal Synbiotics" to exert a potent prophylactic and therapeutic effect, "Emerging Trends in Synbiotics: Biology to Drug Delivery". "Advanced drug delivery approaches containing Synbiotics, SPRINGER-Nature Singapore, 2023.
52. Kruthi Gopal¹, Suhrud Pathak¹, Jack Deruiter¹, Rishi M. Nadar¹, Sindhu Ramesh¹, R Jayachandra Babu¹, Courtney Suzanne Watts Alexander², Kamal Dua^{3, 4}, Randall Clark¹, Timothy Moore¹, Muralikrishnan Dhanasekaran^{1*}, Compelling Impacts For Natural Polymer-Centered Drug Delivery Systems as Prophylactic and Therapeutic Approaches in Various Pulmonary Disorders/Lung Diseases, "Natural Polymeric Materials based Drug Delivery Systems in Lung Diseases". 2023 (Springer Nature Singapore).
51. Shannon Kim¹⁺, Rishi Nadar¹⁺, Jack DeRuiter¹, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Dinesh Chandra Agrawal^{2*}, Muralikrishnan Dhanasekaran^{1*}, Mycotherapeutics affecting dopaminergic neurotransmission to exert neuroprotection, Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development, Springer Nature, 2023.
50. Rachel Parise¹, Rishi M. Nadar¹, Sindhu Ramesh¹, Manoj Govindarajulu¹, Timothy Moore¹, Gary Piazza¹, Dinesh Chandra Agrawal^{2*}, Muralikrishnan Dhanasekaran^{1*}, Therapeutic and Prophylactic Potential of Medicinal Mushrooms in COIVD-19, Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development, Springer Nature, 2023.
49. Rishi Nadar¹, Suhrud Pathak¹, Sindhu Ramesh¹, Manoj Govindarajulu¹, Timothy Moore¹, Dinesh Chandra Agrawal^{2*}, Muralikrishnan Dhanasekaran^{1*}, Medicinal Mushrooms as Potential Treatments for Epilepsy, Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development, Springer Nature, 2023.
48. P. Pannerselvam, Muralikrishnan Dhanasekaran, Novel Drug Delivery Systems, CRC Press, Taylor and Francis Group. 2023, (Accepted, Under Revision).

-
47. Rishi Nadar¹, Jack Deruiter, Suhrud Pathak¹, Jahnavi Dhingra¹, Satyanarayana Pondugula³, Timothy Moore¹, Dinesh Chandra Agrawal^{2*}, Muralikrishnan Dhanasekaran^{1*} Nephroprotective effects of four Ganoderma species, Springer Nature, 2023.
 46. Suhrud Pathak¹, Sindhu Ramesh¹, Manoj Govindarajulu¹, Rishi M. Nadar¹, Gary Piazza¹, Dinesh Chandra Agrawal^{2*}, Muralikrishnan Dhanasekaran^{1*}, Preventative and Curative Implications of Reishi and Maitake Mushrooms in Cancer, Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development, Springer Nature, 2023.
 45. Philip McCain¹, Sindhu Ramesh¹, Suhrud Pathak¹, Manoj Govindarajulu¹, Timothy Moore¹, Dinesh Chandra Agrawal^{2*}, Muralikrishnan Dhanasekaran^{1*}, Cognitive Enhancing Effects of Medicinal Mushrooms: A Potential Neuroprotective Implication in Dementias, Mushrooms with Therapeutic Potentials: Recent Advances in Research and Development, Springer Nature, 2023.
 44. Rishi M. Nadar¹, Keyi Liu¹, Jack DeRuiiter¹, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Dinesh Chandra Agrawal^{2*}, Muralikrishnan Dhanasekaran^{1*}, Mycotherapeutics reduce nephrotoxicity and renal diseases. Springer Nature, 2023.
 43. Suhrud Pathak¹, Kruthi Gopal¹, Jack Deruiter¹, Rishi M. Nadar¹, Satyanarayana Pondugula², Sindhu Ramesh¹, Kamal Dua^{4, 5}, Harish Dureja⁶, Randall Clark¹, Timothy Moore¹, Muralikrishnan Dhanasekaran^{1*}, Elucidating the molecular mechanisms of toxicity of natural polymer-based drug delivery systems used in various pulmonary disorders, "Natural Polymeric Materials based Drug Delivery Systems in Lung Diseases". 2023 Springer Nature Singapore.
 42. Vindhya Basetty, Jack Deruiter, Suhrud Pathak, Muralikrishnan Dhanasekaran, Advanced drug delivery systems targeting to improve therapeutic outcomes in Porphyria. Drug delivery systems for metabolic disorders, Elsevier Science incorporation, 2022.
 41. Julia M Salamat^{1#}, Kodye L Abbott^{1#}, Patrick C Flannery^{1#}, Kristina S Gill^{1#}, Muralikrishnan Dhanasekaran², Satyanarayana R Pondugula^{1*}, Neurological and Related Adverse Events Associated with Pharmacokinetic Interactions of Illicit Substances of Fungal Origin with Clinical Drugs, CRC Press, 2022.
 40. Koodeswaran Parameshwaran, Mohammed Almaghrabi, Manoj Govindarajulu, Randall Clark, Muralikrishnan Dhanasekaran, Bioactives and Pharmacology of Equisetum arvense L. Bioactives and Pharmacology of Medicinal plants Volume 2, Apple Academic Press, 2022. <https://www.appleacademicpress.com/bioactives-and-pharmacology-of-medicinal-plants-2-volume-set-/9781774910283>
 39. Evan Lawson, Erin Harrell, Jack Deruiter, Suhrud Pathak, Muralikrishnan Dhanasekaran. Novel Drug Delivery System to treat Niemann-Pick disease. Drug delivery systems for metabolic disorders, Elsevier Science incorporation, 2022.

-
38. Rachel Parise, Manjusha Annaji, Suhrud Pathak, R Jayachandra Babu, Muralikrishnan Dhanasekaran, Novel 3D printing drug delivery system for the prevention and treatment of Atherosclerosis. Drug delivery systems for metabolic disorders, Elsevier Science incorporation, 2022.
 37. Kelli McDonald, Jack Deruiter, Muralikrishnan Dhanasekaran, A Review on Phytochemistry and Biological Activities of Cannabis Sativa. Chemistry and Pharmacology of Bioactive Botanicals, Orange Publications. 2022.
 36. Rishi M. Nadar, Kelli McDonald, Jack Deruiter, Sindhu Ramesh, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, A Review on Phytochemistry and Pharmacological effects of Mucuna pruriens. Chemistry and Pharmacology of Bioactive Botanicals, Orange Publications. 2022.
 35. Payton Lowery, Sarah Moss, Kelli McDonald, Jack Deruiter, Muralikrishnan Dhanasekaran Bioactives and Pharmacology of Oroxylum indicum (Sonapatha), Chemistry and Pharmacology of Bioactive Botanicals, Orange Publications. 2022.
 34. Kruti Gopal, Sarah Moss, Kelli McDonald, Muralikrishnan Dhanasekaran, Central and peripheral pharmacological properties of Centella asiatica, Orange Publications. 2022.
 33. Summer Duley, Kelli McDonald, Jack Deruiter, Muralikrishnan Dhanasekaran DHA, The Pharmacological Aspect of the botanical Trichopus zeylanicus, Orange Publications, 2022.
 32. Jeyabalan Govindasamy, Sarah Moss, Rachel Parise, Rishi M. Nadar, Suhrud Pathak, Sindhu Ramesh, Manoj Govindarajulu, Timothy Moore, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, Traditional, Cultural, and Nutraceutical Aspects of Cannabis in India, "Medicinal aspects of Cannabis", Cannabis/Marijuana for Healthcare, Springer, 2022. <https://link.springer.com/book/9789811688218>
 31. Dylan Bowen, Sindhu Ramesh, Jack Deruiter, Manoj Govindarajulu, Payton Lowery, Timothy Moore, Dinesh Agrawal², Muralikrishnan Dhanasekaran, Neuropharmacological Approaches to Modulate Cannabinoid Neurotransmission, "Medicinal aspects of Cannabis", Cannabis/Marijuana for Healthcare, Springer, 2022. <https://link.springer.com/book/9789811688218>
 30. Julia M Salamat, Elizabeth L Ledbetter, Kodye L Abbott, Kamoltip Thungrat, Patrick C Flannery, Chen-Che J Huang, Kaylie C Ward, Muralikrishnan Dhanasekaran, Satyanarayana R Pondugula, Cannabinoids in Cancer: Crosstalk between Cannabinoids and miRNAs. "Medicinal aspects of Cannabis", Cannabis/Marijuana for Healthcare, Springer, 2022. <https://link.springer.com/book/9789811688218>
 29. Rishi Nadar, Suhrud Pathak, Sindhu Ramesh, Manoj Govindarajulu, Jack Deruiter, Randall C. Clark, Timothy Moore, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, Cosmetic Importance and Benefits of Cannabinoid Products, "Medicinal aspects of Cannabis", Cannabis/Marijuana for Healthcare, Springer, 2022. <https://link.springer.com/book/9789811688218>
-

-
28. Suhrud Pathak, Sindhu Ramesh, Manoj Govindarajulu, Mohammed Almaghrabi, Rishi M. Nadar, Jack Deruiter, Randall C. Clark, Timothy Moore, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, Effective Cannabis Nutraceutical Formulations for The Current and Future Global Wellbeing. "Medicinal aspects of Cannabis" Cannabis/Marijuana for Healthcare, Springer, 2022. <https://link.springer.com/book/9789811688218>
 27. Suhrud Pathak, Sindhu Ramesh, Manoj Govindarajulu, Mohammed Almaghrabi, Rishi M. Nadar, Jack Deruiter, Randall C. Clark, Timothy Moore, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, Legality of Use & Consumption of Cannabinoids In United States Of America, "Medicinal aspects of Cannabis" Cannabis/Marijuana for Healthcare, Springer, 2022. <https://link.springer.com/book/9789811688218>
 26. Sindhu Ramesh, Manoj Govindarajulu, Mohammed Almaghrabi, Rishi M. Nadar, Jack Deruiter, Randall C. Clark, Timothy Moore, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, Disease States or Pathological Conditions to Conceivably Evade the Consumption Of "Cannabinoids", "Medicinal aspects of Cannabis" Cannabis/Marijuana for Healthcare, Springer, 2022. <https://link.springer.com/book/9789811688218>
 25. Shравanthi Mouli, Sindhu Ramesh, Manoj Govindarajulu, Mohammed Almaghrabi, Ayaka Fujihashi, Rishi Nadar, Jack Deruiter, Randall C. Clark, Timothy Moore, Satyanarayana Pondugula, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, Balancing the neuroprotective versus neurotoxic effects of Cannabis. "Medicinal Herbs and Fungi-Neurotoxicity Vs. Neuroprotection", Springer, 2021.
 24. Ayaka Fujihashi, Sindhu Ramesh, Manoj Govindarajulu, Mohammed Almaghrabi, Rishi Nadar, Jack Deruiter, Timothy Moore, Satyanarayana Pondugula, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, St. John's Wort: A Therapeutic Herb to be Cautioned for Its Potential Neurotoxic Effects and Major Drug Interactions. "Medicinal Herbs and Fungi-Neurotoxicity Vs. Neuroprotection", Springer, 2021.
 23. Manoj Govindarajulu, Tharanath Shankar, Shriya Patel, Mary Fabbri, Amulya Manohar, Sindhu Ramesh, Prashanth Boralingaiah, Sreelakshmi Sharma, Randall Clark, Jack Deruiter, Timothy Moore, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, Reserpine induced depression and other neurotoxicity: A monoaminergic hypothesis. "Medicinal Herbs and Fungi-Neurotoxicity Vs. Neuroprotection", Springer, 2021.
 22. Saraswathy Nachinuthu, Ruckmani Kandasamy, Ramalingam Ponnusamy, Muralikrishnan Dhanasekaran, Sivasudha Thilagar, Neurotoxicity of Polyherbal Formulations: Challenges and Potential Solutions. "Medicinal Herbs and Fungi-Neurotoxicity Vs. Neuroprotection", Springer, 2021.
 21. Manal Buabeid, Sabrina Ait Gacem, Ayaka Fujihashi, Ayeh Trish, Mohammed Almaghrabi, Manoj Govindarajulu, Dinesh Agarwal, Muralikrishnan Dhanasekaran, Neuroprotective Effects of Portulaca oleracea and Portulaca quadrifida Linn. "Medicinal Herbs and Fungi-Neurotoxicity Vs. Neuroprotection", Springer, 2021.

-
20. Julia M Salamat, Kodye L Abbott, Kristina S Gill, Patrick C Flannery, Vinicia C Biancardi, Dawn M Boothe, Chen-Che J Huang, Sridhar Mani, Aneesh Chandran, Saraswathi Vishveshwara, Suneel K Onteru, Muralikrishnan Dhanasekaran, Satyanarayana R Pondugula, Insights into mechanisms and models for studying neurological adverse events mediated by pharmacokinetic interactions between clinical drugs and illicit substances of herbal and fungal origin. "Medicinal Herbs and Fungi-Neurotoxicity Vs. Neuroprotection", Springer, 2021.
 19. Sindhu Ramesh¹#, Manoj Govindarajulu¹#, Shriya Patel¹, Rishi Nadar¹, Mary Fabbrini¹, Randall Clark¹, Jack Deruiter¹, Timothy Moore¹, Dinesh Chandra Agrawal², Muralikrishnan Dhanasekaran¹* Ginseng: A Boon or a Curse to Neurodegenerative Diseases, "Medicinal Herbs and Fungi-Neurotoxicity Vs. Neuroprotection", Springer, 2021.
 18. Manoj Govindarajulu¹*, Sindhu Ramesh¹, Grace McKerley¹, Mary Fabbrini¹, Anna Solomonik¹, Rishi M. Nadar¹, Satyanarayana Pondugula², Timothy Moore¹, Muralikrishnan Dhanasekaran¹*, Recent Trends in Medical Mushrooms in a Neurodegenerative Disorder (Alzheimer's Disease), CRC Press, 2021.
 17. Reeta Vijayarani, Sruthi Rajan, Mohammed Almaghrabi, Manoj Govindarajulu, Sindhu Ramesh, Rishi M. Nadar, Timothy Moore, Muralikrishnan Dhanasekaran, Bioactives and Pharmacology of Litchi chinensis Sonn.. Bioactives and Pharmacology of Medicinal plants Volume 2, Apple Academic Press, 2021. <https://www.appleacademicpress.com/bioactives-and-pharmacology-of-medicinal-plants-2-volume-set-/9781774910283>
 16. Reeta Vijayarani, Sruthi Rajan, Mohammed Almaghrabi, Manoj Govindarajulu, Sindhu Ramesh, Rishi M. Nadar, Timothy Moore, Muralikrishnan Dhanasekaran, Bioactives and Pharmacology of Thuja officianalis. Bioactives and Pharmacology of Medicinal plants Volume 2, Apple Academic Press, 2021. <https://www.appleacademicpress.com/biomolecules-and-pharmacology-of-medicinal-plants-2-volume-set-/9781774910764>.
 15. Wooseok Lee, Ayaka Fujihashi, Manoj Govindarajulu, Sindhu Ramesh, Jack Deruiter, Mohammed Majrashi, Mohammed Almaghrabi, Rishi M. Nadar, Timothy Moore, Dinesh Agarwal, Muralikrishnan Dhanasekaran*, Role of Mushrooms in Neurodegenerative Disorders. Overview of therapeutic efficacy of mushrooms, Medicinal and Aromatic Plants of the World, Springer 2019.
 14. Sindhu Ramesh, Mohammed Majrashi, Mohammed Almaghrabi, Manoj Govindarajulu, Jack Deruiter, Randall Clark, Vanisree Mulabagal, Dinesh Agarwal, Timothy Moore, Muralikrishnan Dhanasekaran* Discovery of muscarine leading to the basic understanding of cholinergic neurotransmission and various clinical interventions, Medicinal and Aromatic Plants of the World, Springer 2019.
 13. Saraswathy Nachinuthua*, Ruckmani Kandasamy, Ramalingam Ponnusamy, Jack Deruiter, Muralikrishnan Dhanasekaran, Sivasudha Thilagard. L-Ergothioneine: A potential bioactive compound from edible mushrooms, Medicinal and Aromatic Plants of the World, Springer 2019.

-
12. Manoj Govindarajulu¹, Sindhu Ramesh¹, Ayaka Fujihashi¹, Mansour Alturki^{1,3}, Tyler Lynd¹, Gayatri Devi Donepudi², Vishnu Suppiramaniam¹, Timothy Moore¹ and Muralikrishnan Dhanasekaran¹, *NEUROPROTECTIVE STRATEGIES FOR OXIDATIVE STRESS-MEDIATED ALZHEIMER'S DISEASE. 2019, Book ID: _14693_Book Title: Oxidative Stress and Antioxidant Defense: Biomedical Value in Health and Diseases. Nova Publishers 2019.
 11. Sindhu Ramesh*, Manoj Govindarajulu*, Ellery Jones, Stella Knowlton, Lily Weeks, Vishnu Suppiramaniam, Timothy Moore, Muralikrishnan Dhanasekaran. Current and novel biomarkers for Alzheimer's disease, MedDocs eBooks 2018.
 10. Sindhu Ramesh*, Manoj Govindarajulu*, Ellery Jones, Vishnu Suppiramaniam, Timothy Moore, Muralikrishnan Dhanasekaran. Mitochondrial dysfunction and the role of Mitophagy in Alzheimer's Disease, MedDocs eBooks, 2018.
 9. Mohammed Almaghrabi, Mohammed Majrashi, Darshini Desai, Ayaka Fujihashi, Jack Deruiter, C. Randall Clark, Muralikrishnan Dhanasekaran. Global Health impact of Major classes of "Designer Drugs": Structural, Pharmacological and Toxicological Overview, MedDocs eBooks 2018.
 8. Manoj Govindarajulu*, Sindhu Ramesh*, Vishnu Suppiramaniam, Timothy Moore, Muralikrishnan Dhanasekaran. Alcohol pharmacology and pharmacotherapy of alcoholism, Advances in Neuropharmacology: Drugs and Therapeutics, Apple Academic Press 2018.
 7. Manoj Govindarajulu, Sindhu Ramesh, Ayaka Fujihashi, Darby Dwyer, Tyler Lynd, Gayatri Devi Donepudi, Timothy Moore, Muralikrishnan Dhanasekaran. Current insights of antioxidant defense in Alzheimer's disease. Advances in Neuropharmacology: Drugs and Therapeutics, Apple Academic Press 2018.
 6. Sindhu Ramesh, Mohammed Majrashi, Mohammed Almaghrabi, Manoj Govindarajulu, Jack Deruiter, Randall Clark, Vanisree Mulabagal, Dinesh Agarwal, Timothy Moore, Muralikrishnan Dhanasekaran* Overview of therapeutic efficacy of mushrooms, Medicinal and Aromatic Plants of the World, Springer 2018.
 5. Lohani M, Patel M, Majrashi M, Joshi M, B Kempainen B, Mulabagal V, Dhanasekaran M. Ethnopharmacological Importance of Western Medicinal Herb, Scutellaria lateriflora. Medicinal Plants - Recent Advances in Research and Development, Springer Singapore, Singapore, pp 37-72, 2017.
 4. Majrashi M, Ramesh S, Deruiter J, Mulabagal V, Pondugula S, Clark C.R, Dhanasekaran M. Multipotent & poly-therapeutic fungal alkaloids of *Claviceps purpurea* (Medicinal and Aromatic Plants of the World, Springer,) 2017.
 3. Ahuja M, Patel M, Majrashi M, Mulabagal V, Dhanasekaran M. *Centella asiatica*, an Ayurvedic Medicinal Plant, Prevents the Major Neurodegenerative and Neurotoxic Mechanisms Associated with Cognitive Impairment (Medicinal and Aromatic Plants of the World, Springer, 2017).

-
2. Ebadi M, Rodriguez-Sierra JF, Bashir RF, Folks DG, Muralikrishnan D, Govitrapong P. Ubiquinone and mitochondrial oxidative disorders of aging. In, Marwah and Kanthasamy, (eds). *Antioxidant and Free Radicals in Health and Diseases*. Prominent Press. 2000, 299-323.
 1. Mohanakumar KP, Muralikrishnan D. Neurochemical mechanisms underlying neuroprotective actions of bromocriptine, salicylate, D- and L- deprenyl in neurodegeneration caused by MPTP. In M. A. Collins and A. Storch (eds). *Neurotoxic Factors in Parkinson's disease and Related Disorders*. Kluwer New York, Academic/Plenum. 2000, 289-293.

Article-Length Publications:

Publication in peer-reviewed journals:

✪ Publications under the Name of Muralikrishnan D and Dhanasekaran M

✪ Google Scholar Profile: Muralikrishnan Dhanasekaran: August-01, 2023

https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AJsN-F7frdYZHA-goqmdBGnsShwH_jkGbiMFnEeLPgo6pUGGZigc_lr9hRkyjbfHc0kKh7ana2V1jqG9pUH1FtV_U7pMaNy7e-clfgfY72zSzPg7qQ24DOIpuFcxr2KV4QGfjMplnsQB&user=a8FrnSIAAAAJ

✪ Citations = 5168
✪ H-index = 37
✪ i10-Index = 90

128. Jeyaram Bharathi Jeyabalan^{1,2}, Suhrud Pathak¹, Rishi Nadar¹, Ishika Patel¹, Rachel Parise¹, Emily Hingson¹, Kiersten Ward¹, Kamal Dua^{3,4}, Jun Ren⁵, Timothy Moore¹, Muralikrishnan Dhanasekaran^{1*}, NeuroCOVID-19” A Contemporary and Imminent Global Health Concern: An Extensive Analysis of the Detrimental Impact on Central and peripheral Neuropathologies, *Journal of Infectious Diseases & Therapy*, 2023
127. Priyanka D Pinky, Jenna E Bloemer, Warren D Smith, Yifeng Du, Ryan, Heslin, Sharay Setti, Jeremiah C Pfitzer, Kawsar Chowdhury, Hao Hong, Subhrajit Bhattacharya, Muralikrishnan Dhanasekaran, Alexander Dityatev, Miranda N Reed, Vishnu Suppiramaniam. Prenatal cannabinoid exposure elicits memory deficits associated with reduced PSA-NCAM expression, altered glutamatergic signaling, and adaptations in hippocampal synaptic plasticity, *Cells*, Accepted with minor Revision.
126. Saba Omer, Suhrud Pathak, Rishi Nadar, Dylan Bowen, Maninder Sandey, Muralikrishnan Dhanasekaran, Satyanarayana Pondugula, Mohammed Mansour, Dawn Boothe, Validating the anti-lymphoma pharmacodynamic actions of the endocannabinoids on canine non-Hodgkin lymphoma, *Life Sciences*, 2023.
125. Suhrud Pathak, Kelsee K Zajac, Manjusha Annaji, Manoj Govindarajulu, Rishi M Nadar, Dylan Bowen, R Jayachandra Babu, Muralikrishnan Dhanasekaran, Treatment outcomes of chemotherapeutic formulations in patients of different ethnicities. *Cancer Reports*, 2023.
124. Keyi Liu, Surekha Kadannagari, Jack Deruiter, Suhrud Pathak, Kodye L Abbott, Julia M Salamat, Satyanarayana R Pondugula, Benson T Akingbemi, Muralikrishnan Dhanasekaran, Comparing the Acute Postnatal Exposure of Bisphenol-A and Bisphenol-S on the Hepatocellular Functions in Male Long-Evans Rats, *Life Sciences*, 2023.
123. Manoj Govindarajulu, Sindhu Ramesh, McNeil Beasley, Graham Lynn, Caleigh Wallace, Sammie Labeau, Suhrud Pathak, Rishi Nadar, Timothy Moore, Muralikrishnan Dhanasekaran, Role of cGAS-STING signaling in Alzheimer's disease, *International Journal of Molecular Sciences*, 2023

-
122. Ahmed Al Saqr, Manjusha Annaji, Ishwor Poudel, Mohammed F Aldawsari, Hamad Alrbyawi, Nur Mita, Muralikrishnan Dhanasekaran, Sai HS Boddu, Rabin Neupane, Amit K Tiwari, R Jayachandra Babu, Topical Delivery of Diacetyl Boldine in a Microemulsion Formulation for Chemoprotection against Melanoma. *Pharmaceutics* 15 (3), 901, 2023.
 121. Jeyaram Bharathi J, Nagarjuna Palathoti, Muralikrishnan Dhanasekaran, Sivasamy R, Sivasankaran Ponnusankar, Dhanabal SP5, Antony Justin,* *Neurotrophin Mimetics and Tropomyosin Kinase Receptors: A Futuristic Pharmacological Tool for Parkinson's*, *Neurological Sciences*, 2023.
 120. Dylan R. Bowen, Suhrud Pathak, Rishi M. Nadar, Rachel D. Parise, Sindhu Ramesh, Manoj Govindarajulu, Austin Moore, Jun Ren, Timothy Moore, Muralikrishnan Dhanasekaran, Oxidative stress and COVID-19 associated neuronal dysfunction: Mechanisms and Therapeutic implications, *Acta Biochim Biophys Sin (Shanghai)*., 2023.
 119. Rachel Parise, Sindhu Ramesh, Jun Ren, Manoj Govindarajulu, Rishi M. Nadar, Suhrud Pathak, Timothy Moore, Muralikrishnan Dhanasekaran*, *A Scientific Perspective of How and Why Omicron is less Severe than SARS-CoV-2 (COVID-19)*. *Emergency and Critical Care Medicine*, 2023.
 118. Selvaraj, Hemalatha; Damadarosamy, Kumudha; Kiruthiga, Natarajan; Rani, K.Reeta V.; Duraisamy, Kanagaraj; Dhanasekaran, Muralikrishnan; Deruiter, Jack; Ren, Jun; Thangavel, Sivakumar; Parise, Rachel, *Critical Clinical Evaluation of Covid-19 Patients with Tuberculosis in the Indian Sub-Continent*, *Current Drug Safety*, 2023 May 18. doi: 10.2174/1574886317666220518092819.
 117. Hemalatha Selvaraj, Kumudha Dhamothrasamy, Kanagaraj Duraisamy, Muralikrishnan Dhanasekaran, Isoniazid-induced hepatic injury: a case report and its mechanism of liver injury, *Journal of Advanced Pharmacy Education & Research*, 2022. <https://japer.in/storage/files/article/67d12ea8-6fd9-49d3-ad3e-b41be574d605-rskhjADh3l7MtTLq/japer-vol-12-iss-4-1-5-8137.pdf>.
 116. Ishwor Poudel, Manjusha Annaji, Fajar Setyo Wibowo, Robert D Arnold, Oladiran Fasina, Brian Via, Vijaya Rangari, Maria Soledad Peresin, Forrest Smith, Muralikrishnan Dhanasekaran, Amit K Tiwari, R Jayachandra Babu. Hispolon Cyclodextrin Complexes and Their Inclusion in Liposomes for Enhanced Delivery in Melanoma Cell Lines, *International Journal of molecular sciences* 23 (22), 14487, 2022.
 115. Sundari, S. Karpagam Kumara; Alturki, Mansour; Steinke, Ian; Deruiter, Jack; Ramesh, Sindhu; Govindarajulu, Manoj Y.; Almaghrabi, Mohammed; Pathak, Suhrud; Rassa, A. Mohamed; Shafeeq, K. A. S. Mohamed; Lowery, Payton; Nadar, Rishi M.; Babu, R. Jayachandra; Ren, Jun; Rani, K. Reeta Vijaya; Smith, Forrest; Moore, Timothy; Dhanasekaran, Muralikrishnan. Cardiovascular toxin-induced hyperglycemic and hypoarousal pathology-associated cognitive impairment: an in silico and in vivo validation. *Cardiology Plus* 7(4):p 178-185, October-December 2022. | DOI: 10.1097/CP9.0000000000000030

-
114. Rishi M. Nadar, Kelli McDonald, Jack Deruiter, Suhrud Pathak, Sindhu Ramesh, Reeta Vijayarani, Kruti Gopal, Jayachandra Babu Ramapuram, Kamal Dua, Timothy Moore, Jun Ren, Muralikrishnan Dhanasekaran; A Re-Evaluation of Past to Present-Day Use of the Blissful Neuronal Nutraceutical “Cannabis”. *JOURNAL OF FOOD NUTRITION AND METABOLISM* | ISSN 2674-2411, 2022.
 113. Manoj Govindarajulu *, Sindhu Ramesh, Tharanath Shankar, Muralikrishna Kora, Muralikrishnan Dhanasekaran, Timothy Moore, Role of Neddylation in Neurodegenerative Diseases, *Neurosci*, 2002, 3 (4), 533-545.
 112. Li YE, Ajoolahady A, Dhanasekaran M, Ren J., Tissue Repair Strategies: What We Have Learned From COVID-19 in the Application of MSCs Therapy. *Pharmacological Research*, 2022. Aug;182:106334. doi: 10.1016/j.phrs.2022.106334. Epub 2022 Jun 30. PMID: 35779816
 111. Rachel Parise, Sindhu Ramesh, Manoj Govindarajulu, Jun Ren, Timothy Moore, Muralikrishnan Dhanasekaran, Cancer and COVID-19, *Acta Biochimica et Biophysica Sinica*, Accepted, 2022.
 110. Chandir C. Ramani*, R. Jayachandra Babu*, M. Dhanasekaran, S. S. Apte, D. Rambhau, Effect of surface charge density of a w/o/w emulsion on the brain targeting of levodopa in Rats, *Drug Delivery Letters*, 2022.
 109. Booralingiah, Prasanth, Govindarajulu, Manoj, Ramesh, Sindhu, Moore, Tim, Dhanasekaran, Muralikrishnan, An Unusual presentation of Impulse Control Disorder: A case report (Psychiatry Research Case Reports). <https://www.sciencedirect.com/science/article/pii/S2773021222000177>
 108. H Peng, S Fu, S Wang, H Xu, M Dhanasekaran, H Chen, C Shao, J Ren Ablation of FUNDC1-dependent mitophagy renders myocardium resistant to paraquat-induced ferroptosis and contractile dysfunction. *Biochimica et Biophysica Acta (BBA)-Molecular Basis of Disease*, 166448, 2022. doi: 10.1016/j.bbadis.2022.166448. Online ahead of print.
 107. Vasudevan Mani, Minhajul Arfeen, Hamdoon A. Mohammed, Hossam A. Elsiadi, Sultan Sajid, Yasser Almogbel, Maha Aldubayan, Muralikrishnan Dhanasekaran, Ahmad Alhowail, Sukkari dates seed improves type-2 diabetes mellitus-induced memory impairment by reducing blood glucose levels and enhancing brain cholinergic transmission: In vivo and molecular modeling studies, *Saudi Pharmaceutical Journal*. 2022, <https://www.sciencedirect.com/science/article/pii/S1319016422000962>
 106. Rachel Parise, Jack Deruiter, Jun Ren, Manoj Govindarajulu, Sindhu Ramesh, Rishi M. Nadar, Timothy Moore, Muralikrishnan Dhanasekaran1, Impact of COVID-19 therapy (medications and bioactives) on hyperglycemia, *Diab Vasc Dis Res*. 2022 May-Jun;19(3):14791641221095091. doi: 10.1177/14791641221095091. PMID: 35695412

-
105. Almalghrabi M, Abiedalla Y, Dhanasakaran M; DeRuiter J, Clark CR, GC-MS and GC-IR of Regioisomeric 4-N-Bromodimethoxybenzyl Derivatives of 3-Trifluoromethylphenylpiperazine, *Forensic Chemistry*, 29, 2022, <https://www.sciencedirect.com/science/article/pii/S2468170922000194>
 104. Vasudevan Mani^{1*}, Minhajul Arfeen², Hussein M. Ali^{1,3 6}, Abdel-Moneim Hafez, Abdel-Moneim⁴, Maha Aldubayan¹, Muralikrishnan Dhanasekaran^{6, 7}, Ahmad Alhowail¹. Ciproxifan attenuates the memory impairment induced by lipopolysaccharide through modulation of cholinergic transmission in the mouse brain, *European Review for Medical and Pharmacological Sciences*, 2022 <https://www.sciencedirect.com/science/article/pii/S1319016422000962>.
 103. Pondugula SR, Harshan A, Ramesh S, Govindarajulu M, Almaghrabi M, Majrashi M, Abbott KL, Nadar R, Alturki M, Salamat JM, Smith F, Majeed M, Nagabhushanam K, Moore T, Ren J, Dhanasekaran M., Cardioprotective effects of Oroxylum indicum extract against chemotherapeutics-induced cardiotoxicity, *Cardiovascular Toxicology, Cardiovasc Toxicol.* 2022 Jan;22(1):67-77. doi: 10.1007/s12012-021-09701-x. Epub 2021 Oct 8. PMID: 34623620
 102. Chan Y, Raju Allam VSR, Paudel KR, Singh SK, Gulati M, Dhanasekaran M, Gupta PK, Jha NK, Devkota HP, Gupta G, Hansbro PM, Oliver BGG, Chellappan DK, Dua K. Nutraceuticals: Unlocking newer paradigms in the mitigation of inflammatory lung diseases. *Crit Rev Food Sci Nutr.* 2021 Oct 6:1-31. doi: 10.1080/10408398.2021.1986467. Online ahead of print. PMID: 34613853
 101. Parise R, Ramesh S, Govindarajulu M, Thomas T, Moore T, Dhanasekaran M., COVID-19 induced renal dysfunction differs from other common viruses, *Emergency and Critical Care Medicine*, 2021, https://journals.lww.com/eccm/Abstract/9000/COVID_19_induced_renal_injury_differs_from_that_in.99988.aspx
 100. Prashanth Boralingaiah^{1*}; Manoj Govindarajulu^{2 *}; Saket Nath Tiwari³; Farook Valiyaveetil Mohammed⁴; Sindhu Ramesh²; Timothy Moore^{2,}; Muralikrishnan Dhanasekaran^{2*}. A Comparative Study of Quality-of-Life Measurements in Generalized Anxiety Disorder Versus Unipolar Depressive Disorder, before and after Treatment. *J Psychiatry Behav Sci.* 2021: 4(1); 1062. <https://meddocsonline.org/journal-of-psychiatry-and-behavioral-sciences/a-comparative-study-of-quality-of-life.pdf>
 99. Ramesh S, Govindarajulu M, Parise RS, Neel L, Shankar T, Patel S, Lowery P, Smith F, Dhanasekaran M, Moore T., Emerging SARS-CoV-2 variants: A review of its mutations, its implications and vaccine efficacy. *Vaccines (Basel).* 2021 Oct 18;9(10):1195. doi: 10.3390/vaccines9101195. PMID: 34696303
 98. Alhowail AH, Pinky PD, Eggert M, Bloemer J, Woodie LN, Buabeid MA, Bhattacharya S, Jasper SL, Bhattacharya D, Dhanasekaran M, Escobar M, Arnold RD, Suppiramaniam V. Doxorubicin induces dysregulation of AMPA receptor and impairs hippocampal synaptic plasticity leading to learning and memory deficits. *Heliyon.* 2021 Jul 1;7(7):e07456. doi: 10.1016/j.heliyon.2021.e07456. eCollection 2021 Jul. PMID: 34296005
-

-
97. Almaghrabi, M, Dhanasekaran, M, Deruiter, J, Clark, CR, GC-MS and GC-IR of Regioisomeric 4-N-Methoxy- and Dimethoxybenzyl Derivatives of 3-Trifluoromethylphenylpiperazine. *International Journal of Mass Spectrometry*, 2021, 116673. <https://www.sciencedirect.com/science/article/pii/S1387380621001536?via%3Dihub>
 96. Pondugula SR, Majrashi M, Almaghrabi M, Ramesh S, Abbott KL, Govindarajulu M, Gill K, Fahoury E, Narayanan N, Desai D, Ren J, Nadar R, McElroy T, Moore T, Majeed M, Kalyanam N, Dhanasekaran M. Oroxyllum Indicum ameliorates chemotherapy induced cognitive impairment. *PLoS One*. 2021 Jun 3;16(6):e0252522. doi: 10.1371/journal.pone.0252522. eCollection 2021. PMID: 34081735
 95. Karuppagounder SS, Uthaythas S, Govindarajulu M, Ramesh S, Parameshwaran K, Dhanasekaran M. Caffeine, a natural methylxanthine nutraceutical, exerts dopaminergic neuroprotection. *Neurochem Int*. 2021 Sep;148:105066. doi: 10.1016/j.neuint.2021.105066. Epub 2021 May 15. PMID: 34004240
 94. Majrashi M, Altukri M, Ramesh S, Govindarajulu M, Schwartz J, Almaghrabi M, Smith F, Thomas T, Suppiramaniam V, Moore T, Reed M, Dhanasekaran M. β -hydroxybutyric acid attenuates oxidative stress and improves markers of mitochondrial function in the HT-22 hippocampal cell line. *J Integr Neurosci*. 2021 Jun 30;20(2):321-329. doi: 10.31083/j.jin2002031. PMID: 34258930
 93. Pondugula SR, Salamat JM, Abbott KL, Flannery PC, Majrashi M, Almaghrabi M, Govindarajulu M, Ramesh S, Sandey M, Onteru SK, Huang CJ, Iwaki Y, Gill K, Narayanan N, McElroy E, Desai D, Nadar R, Moore T, Dhanasekaran M. A clinically relevant combination treatment of doxorubicin and cyclophosphamide does not induce hepatotoxicity in C57BL/6J mice, *Liver Res*. 2021 Dec;5(4):239-242. doi: 10.1016/j.livres.2021.04.002. Epub 2021 May 7. PMID: 34900377
 92. Pondugula SR, Salamat JM, Abbott KL, Flannery PC, Majrashi M, Almaghrabi M, Govindarajulu M, Ramesh S, Onteru SK, Sandey M, Huang CC, Gill K, Narayanan N, McElroy E, Desai D, Nadar R, Moore T, Nagabhushanam K, Majeed M, Dhanasekaran M. Oroxyllum indicum extract, at a physiologically relevant dosage, does not induce hepatotoxicity in C57BL/6J mice. *Nat Prod Commun*. 2021 May;16(5):10.1177/1934578x211016966. doi: 10.1177/1934578x211016966. Epub 2021 May 18. PMID: 34306298
 91. Pinky PD, Majrashi M, Fujihashi A, Bloemer J, Govindarajulu M, Ramesh S, Reed MN, Moore T, Suppiramaniam V, Dhanasekaran M. Effects of prenatal synthetic cannabinoid exposure on the cerebellum of adolescent rat offspring. *Heliyon*. 2021 Apr 13;7(4):e06730. doi: 10.1016/j.heliyon.2021.e06730. eCollection 2021 Apr. PMID: 33912711
 90. Govindarajulu M, Ramesh S, Neel L, Fabbrini M, Buabeid M, Fujihashi A, Dwyer D, Lynd T, Shah K, Mohanakumar KP, Smith F, Moore T, Dhanasekaran M. Nutraceutical based SIRT3 activators as therapeutic targets in Alzheimer's disease. *Neurochem Int*. 2021 Mar;144:104958. doi: 10.1016/j.neuint.2021.104958. Epub 2021 Jan 12. PMID: 33444675
-

-
89. Al Saqr A, Aldawsari MF, Alrbyawi H, Poudel I, Annaji M, Mulabagal V, Ramani MV, Gottumukkala S, Tiwari AK, Dhanasekaran M, Panizzi PR, Arnold RD, Babu RJ. Co-Delivery of Hispolon and Doxorubicin Liposomes Improves Efficacy Against Melanoma Cells. *AAPS PharmSciTech*. 2020 Nov 4;21(8):304. doi: 10.1208/s12249-020-01846-2. PMID: 33150503
 88. Vijayarani KR, Govindarajulu M, Ramesh S, Alturki M, Majrashi M, Fujihashi A, Almaghrabi M, Kirubakaran N, Ren J, Babu RJ, Smith F, Moore T, Dhanasekaran M. Enhanced Bioavailability of Boswellic Acid by Piper longum: A Computational and Pharmacokinetic Study. *Front Pharmacol*. 2020 Dec 15;11:551911. doi: 10.3389/fphar.2020.551911. eCollection 2020. PMID: 33384596
 87. Govindarajulu M, Pinky PD, Steinke I, Bloemer J, Ramesh S, Kariharan T, Rella RT, Bhattacharya S, Dhanasekaran M, Suppiramaniam V, Amin RH. Gut Metabolite TMAO Induces Synaptic Plasticity Deficits by Promoting Endoplasmic Reticulum Stress. *Front Mol Neurosci*. 2020 Aug 12;13:138. doi: 10.3389/fnmol.2020.00138. eCollection 2020. PMID: 32903435
 86. Annaji M, Ramesh S, Poudel I, Govindarajulu M, Arnold RD, Dhanasekaran M, Babu RJ. Application of Extrusion-Based 3D Printed Dosage Forms in the Treatment of Chronic Diseases. *J Pharm Sci*. 2020
 85. Majrashi M, Fujihashi A, Almaghrabi M, Fadan M, Fahoury E, Ramesh S, Govindarajulu M, Beamon H, Bradford CN, Bolden-Tiller O, Dhanasekaran M, Augmented Oxidative Stress and Reduced Mitochondrial Function in Aging Goat Testis" *Veterinary Medicine and Science*, 2020.
 84. Pondugula S, Majrashi M, Almaghrabi M, Abbott K, Govindarajulu M, Ramesh S, Gill K, Fahoury F, Narayanan N, Desai D, Nadar R, McElroy E, Moore T, Dhanasekaran M, Predictable hematological markers associated with cognitive decline in valid rodent models of cognitive impairment, *Toxicology Mechanisms and Methods*, 2020.
 83. Abbott, Kodye; Gill, Kristina; Flannery, Patrick; Boothe, Dawn; Dhanasekaran, Muralikrishnan; Pondugula, Satyanarayana Nothing ventured nothing gained: Regulations cripple potentially life-saving research of illicit substances" *ACS Chemical Neuroscience*, 2020.
 82. Al Saqr A, Majrashi M, Alrbyawi H, Govindarajulu M, Fujihashi A, Gottumukkala S, Poudel I, Arnold RD, Babu JR, Dhanasekaran M. Elucidating the anti-melanoma effect and mechanisms of Hispolon, *Life Sciences*, 2020.
 81. Slater N.A., Dhanasekaran M., Govindarajulu M, Design Thinking in Pharmacy Education: The Future of Classroom Preparation. *New Directions for Teaching and Learning focused on Teaching and Learning in the Health Professions*, 2020.
 80. Bhattacharya D., Fujihashi A., Majrashi M.*, Bloemer J., Bhattacharya S., Buabeid M., Martha Escobar, Timothy Moore, Vishnu Suppiramaniam, Muralikrishnan Dhanasekaran. Concurrent Nicotine Exposure to Prenatal Alcohol Consumption Alters the Hippocampal and Cortical Neurotoxicity. *Heliyon*, 2020.

-
79. Abbott KL, Flannery PC, Gill KS, Dhanasekaran M, Pondugula SR. Adverse interactions between illicit substances and clinical drugs. *Drug Metabolism Reviews*, 2020.
 78. Bloemer J, Pinky PD, Smith WD, Bhattacharya D, Chauhan A, Govindarajulu M, Hong H, Dhanasekaran M, Judd R, Amin RH, Reed MN, Suppiramaniam V. Adiponectin Knockout Mice Display Cognitive and Synaptic Deficits. *Front Endocrinol (Lausanne)*. 2019 Nov 22;10:819. doi: 10.3389/fendo.2019.00819. eCollection 2019. PMID: 31824431 Free PMC article.
 77. Abdel-Rahman EA, Bhattacharya S, Buabeid M, Majrashi M, Bloemer J, Tao YX, Dhanasekaran M, Escobar M, Amin R, Suppiramaniam V. PPAR- δ Activation Ameliorates Diabetes-Induced Cognitive Dysfunction by Modulating Integrin-linked Kinase and AMPA Receptor Function. *J Am Coll Nutr*. 2019 Nov-Dec;38(8):693-702. doi: 10.1080/07315724.2019.1598307. Epub 2019 Apr 22. PMID: 31008686
 76. Lohani M, Majrashi M, Govindarajulu M, Patel M, Ramesh S, Bhattacharya D, Joshi S, Fadan M, Nadar R, Darien B, Maurice DV, Kempainen B, Dhanasekaran M, Immunomodulatory actions of a Polynesian Herb and its Clinical applications, *Complementary Therapies in Medicine*. Volume 47, December 2019.
 75. Abdel-Rahman EA, Bhattacharya S, Buabeid M, Majrashi M, Bloemer J, Tao YX, Dhanasekaran M, Escobar M, Amin R, Suppiramaniam V. PPAR- δ Activation Ameliorates Diabetes-Induced Cognitive Dysfunction by Modulating Integrin-linked Kinase and AMPA Receptor Function. *J Am Coll Nutr*. 2019 Apr 22:1-10. doi: 10.1080/07315724.2019.1598307.
 74. Alhowail AH, Bloemer J, Majrashi M, Pinky PD, Bhattacharya S, Yongli Z, Bhattacharya D, Eggert M, Woodie L, Buabeid MA, Johnson N, Broadwater A, Smith B, Dhanasekaran M, Arnold RD, Suppiramaniam V.. Doxorubicin-induced neurotoxicity is associated with acute alterations in synaptic plasticity, apoptosis, and lipid peroxidation. *Toxicol Mech Methods*. 2019 Jul;29(6):457-466. doi: 10.1080/15376516.2019.1600086. Epub 2019 Jun 18.
 73. Donepudi GD, Ramesh S, Govindarajulu M, Dhanasekaran M, Moore T, Ganekal S, Hiremath CS. Early postoperative outcomes of pterygium surgery: Sutures versus autogenous serum in-situ fixation of limbal conjunctival autograft. *Life Sci*. 2019 Mar 15;221:93-98. doi: 10.1016/j.lfs.2019.02.019. Epub 2019 Feb 10.
 72. Shalgum A, Govindarajulu M., Majrashi M., Ramesh S., Collier WE., Griffin G., Amin R., Suppiramaniam V., Bradford C., Dhanasekaran M. Neuroprotective effects of Hibiscus Sabdariffa against Hydrogen peroxide-induced toxicity. *Journal of Herbal Medicine*, 2018. <https://www.sciencedirect.com/science/article/pii/S2210803318300630>.
 71. Majrashi M., Almaghrabi M., Fadan M., Fujihashi A., Lee B., Deruiter J., Clark CR., Dhanasekaran M., Dopaminergic Neurotoxic Effects of 3-TFMPP derivatives. *Life Sci*. 2018 Sep 15;209:357-369. doi: 10.1016/j.lfs.2018.07.052. Epub 2018 Jul 29.

-
70. Ramesh S, Govindarajulu M, Suppiramaniam V, Moore T, Dhanasekaran M. Autotaxin-Lysophosphatidic Acid Signaling in Alzheimer's Disease. *Int J Mol Sci.* 2018 Jun 21;19(7). pii: E1827. doi: 10.3390/ijms19071827.
 69. Bloemer J, Pinky PD, Govindarajulu M, Hong H, Judd R, Amin RH, Moore T, Dhanasekaran M, Reed MN, Suppiramaniam V. Role of Adiponectin in Central Nervous System Disorders. *Neural Plast.* 2018 Jul 29;2018:4593530. doi: 10.1155/2018/4593530. eCollection 2018.
 68. Yang E, Gavini K, Bhakta A, Dhanasekaran M, Khan I, Parameswaran K. Streptozotocin induced hyperglycemia stimulates molecular signaling that promotes cell cycle reentry in mouse hippocampus. *Life Sci.* 2018 Jul 15;205:131-135. doi: 10.1016/j.lfs.2018.05.019. Epub 2018 May 8.
 67. Ramesh S, Govindarajulu M, Lynd T, Briggs G, Adamek D, Jones E, Heiner J, Majrashi M, Moore T, Amin R, Suppiramaniam V, Dhanasekaran M. SIRT3 activator Honokiol attenuates Amyloid Beta and exhibits neuroprotection PLoS One. 2018 Jan 11;13(1):e0190350. doi: 10.1371/journal.pone.0190350. eCollection 2018.
 66. Ramesh S, Bhattacharya D, Majrashi M, Morgan M, Prabhakar Clement T, Dhanasekaran M., Evaluation of behavioral parameters, hematological markers, and liver and kidney functions in rodents exposed to Deepwater Horizon crude oil and Corexit dispersant *Life Sci.* 2018 Feb 20. pii: S0024-3205(18)30084-5. doi: 10.1016/j.lfs.2018.02.028.
 65. Bhattacharya D, Majrashi M, Ramesh S, Govindarajulu M, Bloemer J, Fujihashi A, Crump BR, Hightower H, Bhattacharya S, Moore T, Suppiramaniam V, Dhanasekaran M. Assessment of the cerebellar neurotoxic effects of nicotine in prenatal alcohol exposure. *Life Sci.* 2018 Feb 1;194:177-184. doi: 10.1016/j.lfs.2017.12.010.
 64. Katz DP, Majrashi M, Ramesh S, Govindarajulu M, Bhattacharya D, Bhattacharya S, Shalgum A, Bradford C, Suppiramaniam V, Deruiter J, Clark CR, Dhanasekaran M. Comparing the Dopaminergic Neurotoxic Effects of Benzylpiperazine and Benzoylpiperazine. *Toxicol Mech Methods.* 2018 Mar;28(3):177-186. doi: 10.1080/15376516.2017.1376024. Epub 2017 Sep 28.
 63. Ahuja M, Buabeid M, Abdel-Rahman E, Majrashi M, Parameswaran K, Amin R, Ramesh S, Thiruchelvan K, Pondugula S, Suppiramaniam V, Dhanasekaran M. Immunological alteration & toxic molecular inductions leading to cognitive impairment & neurotoxicity in transgenic mouse model of Alzheimer's disease. *Life Sci.* 177 (2017) 49-59.
 62. Bhattacharya S, Kimble W; Buabeid M, Bhattacharya D, Bloemer J; Alhowail A, Reed M, Dhanasekaran M, Escobar M, Suppiramaniam V. Altered AMPA Receptor Expression Plays an Important Role in Inducing Bidirectional Synaptic Plasticity During Contextual Fear Memory Reconsolidation. *Neurobiol Learn Mem.* 139 (2017) 98-108.

-
61. Majrashi M, Desai D, Ramesh S, Govindarajulu M, Almaghrabi M, Deruiter J, Clark C.R, Suppiramaniam V, Dhanasekaran M. (2017) Designer drug-Trifluoromethylphenylpiperazine derivatives (TFMPP) - A future potential peril towards modern society, *Medical Research Archives*, Vol 5 No 8 (2017): Vol.5 Issue 8 - August 2017.
 60. Bhattacharya D, Clement TP, Dhanasekaran M. Evaluating the neurotoxic effects of Deepwater Horizon oil spill residues trapped along Alabama's beaches. *Life Sci.* 155 (2016) 161-166.
 59. Katz D.P, Deruiter J, Bhattacharya D, Ahuja M, Bhattacharya S, Clark C.R, Suppiramaniam V, Dhanasekaran M. Benzylpiperazine: "A Messy Drug". *Drug Alcohol Depend.* 164 (2016) 1-7.
 58. Thrash-Williams B, Karuppagounder S.S, Bhattacharya D, Ahuja M, Suppiramaniam V, Dhanasekaran M. Methamphetamine-induced dopaminergic toxicity prevented owing to the neuroprotective effects of salicylic acid. *Life Sci.* 154 (2016) 24-29.
 57. Bhattacharya D, Dunaway E. P, Bhattacharya S, Bloemer J, Buabeid M, Escobar M, Suppiramaniam V, Dhanasekaran M. Impaired ILK function is associated with deficits in hippocampal based memory and synaptic plasticity in a FASD rat model. *PLoS One.* 10 (2015) e0135700.
 56. Mouli S, Nanayakkara G, Al Alasmari A, Eldoumani H, Fu X, Berlin A, Lohani M, Nie B, Arnold R, Kavazis AN, Smith F, Beyers RJ, Denney T, Dhanasekaran M, Zhong J, Quindry JC, Amin RH. The Role of Frataxin in Doxorubicin Mediated Cardiac Hypertrophy. *Am J Physiol Heart Circ Physiol.* 309 (2015) H844-59.
 55. Kariharan T, Nanayakkara G, Parameshwaran K, Bagasrawala I, Ahuja M, Abdel-Rahman E, Amin AT, Dhanasekaran M, Suppiramaniam V, Amin RH. Central activation of PPAR-gamma ameliorates diabetes induced cognitive dysfunction and improves BDNF expression. *Neurobiol Aging.* 36 (2015) 1451-1461.
 54. Karuppagounder SS, Bhattacharya D, Ahuja M, Suppiramaniam V, Deruiter J, Clark R, Dhanasekaran M, Elucidating the Neurotoxic Effects of MDMA and its analogs. *Life Sci.* 101 (2014) 37-42.
 53. Katz DP, Bhattacharya D, Bhattacharya S, Deruiter J, Clark CR, Suppiramaniam V, Dhanasekaran M. Synthetic cathinones: "a khat and mouse game". *Toxicol Lett.* 229 (2014) 349-356.
 52. Nanjappa MK, Ahuja M, Dhanasekaran M, Coleman ES, Braden TD, Bartol FF, Bird RC, Wanders D, Judd RL, Akingbemi BT Bisphenol A regulation of testicular endocrine function in male rats is affected by diet. *Toxicol Lett.* 225 (2014) 479-487.
 51. Zheng M, Ahuja M, Bhattacharya D, Clement TP, Hayworth JS, Dhanasekaran M. Evaluation of differential cytotoxic effects of the oil spill dispersant Corexit 9500. *Life Sci.* 95 (2014) 108-117.

-
50. Lohani M, Ahuja M, Buabeid MA, Dean S, Dennis S, Suppiramaniam V, Kemppainen B, Dhanasekaran M. Anti-oxidative and DNA protecting effects of flavonoids-rich *Scutellaria lateriflora*. *Nat Prod Commun.* 8 (2013) 1415-1418.
 49. Naskar A, Manivasagam T, Chakraborty J, Singh R, Thomas B, Dhanasekaran M, Mohanakumar KP. Melatonin synergizes with low doses of L-DOPA to improve dendritic spine density in the mouse striatum in experimental Parkinsonism. *J Pineal Res.* 55 (2013) 304-312.
 48. Thrash-Williams B, Ahuja M, Karuppagounder SS, Uthayathas S, Suppiramaniam V, Dhanasekaran M. Assessment of therapeutic potential of amantadine in methamphetamine induced neurotoxicity. *Neurochem Res.* 38 (2013) 2084-2094.
 47. Parameshwaran K, Buabeid MA, Bhattacharya S, Uthayathas S, Kariharan T, Dhanasekaran M, Suppiramaniam V. Long term alterations in synaptic physiology, expression of $\beta 2$ nicotinic receptors and ERK1/2 signaling in the hippocampus of rats with prenatal nicotine exposure. *Neurobiol Learn Mem.* 106 (2013) 102-
 46. Uthayathas S, Parameshwaran K, Karuppagounder SS, Ahuja M, Dhanasekaran M, Suppiramaniam V. Selective inhibition of phosphodiesterase 5 enhances glutamatergic synaptic plasticity and memory in mice. *Synapse* 67 (2013) 741-747.
 45. Shonesy BC, Thiruchelvam K, Parameshwaran K, Rahman EA, Karuppagounder SS, Huggins KW, Pinkert CA, Amin R, Dhanasekaran M, Suppiramaniam V. Central insulin resistance and synaptic dysfunction in intracerebroventricular-streptozotocin injected rodents. *Neurobiol Aging.* 33 (2012) 5-18.
 44. Tharakan B, Dhanasekaran M, Manyam BV. Differential effects of dopaminergic neurotoxins on DNA cleavage. *Life Sci.* 2012 Jul 26;91(1-2):1-4. doi: 10.1016/j.lfs.2011.12.003. Epub 2011 Dec 22.
 43. Kanju PM, Parameshwaran K, Sims-Robinson C, Uthayathas S, Josephson EM, Rajakumar N, Dhanasekaran M, Suppiramaniam V. Selective cholinergic depletion in medial septum leads to impaired long-term potentiation and glutamatergic synaptic currents in the hippocampus. *PLoSOne.* 7 (2012) e31073.
 42. Karuppagounder SS, Ahuja M, Buabeid M, Parameshwaran K, Abdel-Rehman E, Suppiramaniam V, Dhanasekaran M. Investigate the chronic neurotoxic effects of diquat. *Neurochem Res.* 37 (2012) 1102-1111.
 41. Parameshwaran K, Buabeid MA, Karuppagounder SS, Uthayathas S, Thiruchelvam K, Shonesy B, Dityatev A, Escobar MC, Dhanasekaran M, Suppiramaniam V. Developmental nicotine exposure induced alterations in behavior and glutamate receptor function in hippocampus. *Cell Mol Life Sci.* 69 (2012) 829-841.
 40. B. Thrash, S.S. Karuppagounder, S. Uthayathas, V. Suppiramaniam, M. Dhanasekaran, Neurotoxic effects of methamphetamine *Neurochem Res* 35 (2010) 171-179.
-

-
39. B. Thrash, S.S. Karuppagounder, S. Uthayathas, V. Suppiramaniam, M. Dhanasekaran, Methamphetamine-induced neurotoxicity: road to Parkinson's disease. *Pharmacological Report* 61 (2009) 966-977.
 38. Dhanasekaran M, Holcomb LA, Hitt AR, Tharakan B, Porter J, Young KA, Manyam B. Centella asiatica extract selectively decreases amyloid β levels in hippocampus of Alzheimer's disease animal model. *Phytother Res* 23 (2009) 14-19.
 37. Parameshwaran K, Dhanasekaran M, Suppiramaniam V., Amyloid beta peptides and glutamatergic synaptic dysregulation, *Exp Neurol* 210 (2008) 7-13.
 36. M. Dhanasekaran, B. Tharakan, B.V. Manyam, Antiparkinson drug-Mucuna pruriens shows antioxidant and metal chelating activity, *Phytother Res* 22 (2008) 6-11.
 35. M. Dhanasekaran, S.S. Karuppagounder, S. Uthayathas, L.E. Wold, K. Parameshwaran, R.J. Babu, V. Suppiramaniam, H. Brown-Borg, Effect of dopaminergic neurotoxin MPTP/MPP+ on coenzyme Q content, *Life Sci* 83 (2008) 92-95.
 34. Dhanasekaran M, C.B. Albano, S.S. Karuppagounder, S. Uthayathas, V. Suppiramaniam, H. Brown-Borg, M. Ebadi, Role of lipoamide dehydrogenase and metallothionein on 1-methyl-4-phenyl-1,2,3,6- tetrahydropyridine-induced neurotoxicity, *Neurochem Res* 33 (2008) 980-984.
 33. R.J. Babu, M. Dhanasekaran, S.R. Vaithiyalingam, P.N. Singh, J.K. Pandit, Cardiovascular effects of transdermally delivered bupranolol in rabbits: effect of chemical penetration enhancers, *Life Sci* 82 (2008) 273-278.
 32. S. Uthayathas, S.S. Karuppagounder, B.M. Thrash, K. Parameshwaran, V. Suppiramaniam, M. Dhanasekaran, Versatile effects of sildenafil: recent pharmacological applications, *Pharmacological Report* 59 (2007) 150-163.
 31. S. Uthayathas, S.S. Karuppagounder, S.I. Tamer, K. Parameshwaran, T. Degim, V. Suppiramaniam, M. Dhanasekaran, Evaluation of neuroprotective and anti-fatigue effects of sildenafil, *Life Sci* 81 (2007) 988-992.
 30. B. Thrash, S. Uthayathas, S.S. Karuppagounder, V. Suppiramaniam, M. Dhanasekaran, Paraquat and maneb induced neurotoxicity, *Proc West Pharmacol Soc* 50 (2007) 31-42.
 29. B. Tharakan, M. Dhanasekaran, J. Mize-Berge, B.V. Manyam, Anti-Parkinson botanical Mucuna pruriens prevents levodopa induced plasmid and genomic DNA damage, *Phytother Res* 21 (2007) 1124-1126.
 28. K. Parameshwaran, C. Sims, P. Kanju, B.C. Shonesy, M. Dhanasekaran, B.A. Bahr, V. Suppiramaniam, Amyloid beta-peptide A β (1-42) but not A β (1-40) attenuates synaptic AMPA receptor function, *Synapse* 61 (2007) 367-374.
 27. M. Dhanasekaran, B. Tharakan, L.A. Holcomb, A.R. Hitt, K.A. Young and B.V. Manyam, Neuroprotective mechanisms of ayurvedic antidementia botanical Bacopa monniera, *Phytother Res* 21 (2007) 965-969.
-

-
26. B. Tharakan, M. Dhanasekaran, H.M. Brown-Borg and B.V. Manyam, *Trichopus zeylanicus* combats fatigue without amphetamine-mimetic activity, *Phytother Res* 20 (2006) 165-168.
 25. V. Suppiramaniam, T. Vaithianathan, K. Manivannan, M. Dhanasekaran, K. Parameshwaran and B.A. Bahr, Modulatory effects of dextran sulfate and fucoidan on binding and channel properties of AMPA receptors isolated from rat brain, *Synapse* 60 (2006) 456-464.
 24. L.A. Holcomb, M. Dhanasekaran, A.R. Hitt, K.A. Young, M. Riggs and B.V. Manyam, *Bacopa monniera* extract reduces amyloid levels in PSAPP mice, *J Alzheimer's Dis* 9 (2006) 243-251.
 23. M. Dhanasekaran, S. Uthayathas, S.S. Karuppagounder, K. Parameshwaran, V. Suppiramaniam, M. Ebadi and H.M. Brown-Borg, Ebselen effects on MPTP-induced neurotoxicity, *Brain Res* 1118 (2006) 251-254.
 22. M. Dhanasekaran, J. Ren, The emerging role of coenzyme Q-10 in aging, neurodegeneration, cardiovascular disease, cancer and diabetes mellitus, *Current Neurovascular Research* 2 (2005) 447-459.
 21. B. Tharakan, M. Dhanasekaran and B.V. Manyam, Antioxidant and DNA protecting properties of anti-fatigue herb *Trichopus zeylanicus*, *Phytother Res* 19 (2005) 669-673.
 20. B.V. Manyam, M. Dhanasekaran and T.A. Hare, Neuroprotective effects of the antiparkinson drug *Mucuna pruriens*, *Phytotherapy Research* 18 (2004) 706-712.
 19. B.V. Manyam, M. Dhanasekaran and T.A. Hare, Effect of antiparkinson drug HP-200 (*Mucuna pruriens*) on the central monoaminergic neurotransmitters, *Phytother Res* 18 (2004) 97-101.
 18. Meij JT, Haselton CL, Hillman KL, Muralikrishnan D, Ebadi M, Yu L. Differential mechanisms of nitric oxide- and peroxynitrite-induced cell death. *Mol Pharmacol*. 2004 Oct;66(4):1043-53. doi: 10.1124/mol.104.001354. Epub 2004 Jul 16. PMID: 15258257
 17. Muralikrishnan D, Ebadi M, Brown-Borg HM. Dopamine agonist 3-PPP fails to protect against MPTP-induced toxicity. *Neurochem Res*. 2004 Feb;29(2):379-84. doi: 10.1023/b:nere.0000013740.53483.39. PMID: 15002733
 16. Ren J, Porter JE, Wold LE, Aberle NS, Muralikrishnan D, Haselton JR. Depressed contractile function and adrenergic responsiveness of cardiac myocytes in an experimental model of Parkinson disease, the MPTP-treated mouse. *Neurobiol Aging*. 2004 Jan;25(1):131-8. doi: 10.1016/s0197-4580(03)00035-6. PMID: 14675739.

-
15. Wold LE, Muralikrishnan D, Albano CB, Norby FL, Ebadi M, Ren J. Insulin-like growth factor I (IGF-1) supplementation prevents diabetes-induced alterations in coenzymes Q9 and Q10. *Acta Diabetol.* 2003 Jun;40(2):85-90. doi: 10.1007/s005920300010.PMID: 12861406
 14. Muralikrishnan D, Thomas B, Mohanakumar KP. Oxidative stress as a cause of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced Parkinson's disease in mice. *J Tissue Res.* 2003; 3: 1-8.
 13. Muralikrishnan D, Samantaray S, Mohanakumar KP. D-deprenyl protects nigrostriatal neurons against 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced dopaminergic neurotoxicity. *Synapse.* 2003 Oct;50(1):7-13. doi: 10.1002/syn.10239.PMID: 12872288
 12. Mohanakumar KP, Thomas B, Sharma SM, Muralikrishnan D, Chowdhury R, Chiueh CC. Nitric oxide: an antioxidant and neuroprotector. *Ann N Y Acad Sci.* 2002 May;962:389-401. doi: 10.1111/j.1749-6632.2002.tb04083.x.PMID: 12076990.
 11. Ebadi M, Sharma S, Muralikrishnan D, Shavali S, Eken J, Sangchot P, Chetsawang B, Brekke L. Metallothionein provides ubiquinone-mediated neuroprotection in Parkinson's disease. *Proc West Pharmacol Soc.* 2002;45:36-8.PMID: 12434520.
 10. Albano CB, Muralikrishnan D, Ebadi M. Distribution of coenzyme Q homologues in brain. *Neurochem Res.* 2002 May;27(5):359-68. doi: 10.1023/a:1015591628503.PMID: 12064350.
 9. Muralikrishnan D, Ebadi M, Brown-Borg HM. Effect of MPTP on Dopamine metabolism in Ames dwarf mice. *Neurochem Res.* 2002 Jun;27(6):457-64. doi: 10.1023/a:1019888300957.PMID: 12199149
 8. Ebadi M, Govitrapong P, Sharma S, Muralikrishnan D, Shavali S, Pellett L, Schafer R, Albano C, Eken J. Ubiquinone (coenzyme q10) and mitochondria in oxidative stress of parkinson's disease. *Nuerosignals (Biol Signals Recept).* 2001 May-Aug;10(3-4):224-53. doi: 10.1159/000046889.PMID: 11351130.
 7. Muralikrishnan D, Ebadi M. SKF-38393, a dopamine receptor agonist, attenuates 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced neurotoxicity. *Brain Res.* 2001 Feb 23;892(2):241-7. doi: 10.1016/s0006-8993(00)02994-2. PMID: 11172770
 6. Ebadi M, Muralikrishnan D, Pellett LJ, Murphy T, Drees K. Ubiquinone (coenzyme Q10) and complex I in mitochondrial oxidative disorder of Parkinson's disease. *Proc West Pharmacol Soc.* 2000;43:55-63.PMID: 11056957
 5. Mohanakumar KP, Muralikrishnan D, Thomas B. Neuroprotection by sodium salicylate against 1-methyl-4-phenyl-1,2,3, 6-tetrahydropyridine-induced neurotoxicity. *Brain Res.* 2000 May 12;864(2):281-90. doi: 10.1016/s0006-8993(00)02189-2. PMID: 10802035
-

-
4. Thomas B, Muralikrishnan D, Mohanakumar KP. In vivo hydroxyl radical generation in the striatum following systemic administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in mice. *Brain Res.* 2000 Jan 3;852(1):221-4. doi: 10.1016/s0006-8993(99)02202-7.PMID: 10661517
 3. Usha R, Muralikrishnan D, Thomas B, Ghosh S, Mandal C, Mohanakumar KP. Region-specific attenuation of a trypsin-like protease in substantia nigra following dopaminergic neurotoxicity by 1-methyl-4-phenyl-1,2, 3,6-tetrahydropyridine. *Brain Res.* 2000 Nov 3;882(1-2):191-5. doi: 10.1016/s0006-8993(00)02802-x.PMID: 11056198
 2. Sarkar S, Thomas B, Muralikrishnan D, Mohanakumar KP. Behavioral Effects of serotonergic drugs on tremor induced by physostigmine in rats. *Brain Res.* 2000 May;109(2):187-93. doi: 10.1016/s0166-4328(99)00171-0.
 1. Muralikrishnan D, Mohanakumar KP. Neuroprotection by bromocriptine against 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced neurotoxicity in mice. *FASEB J.* 1998 Jul;12(10):905-12. doi: 10.1096/fasebj.12.10.905.PMID: 9657530

Presentation/Abstracts: International Conference/meetings

209. Hemalatha Selvaraj, Krishna M, Muralikrishnan Dhanasekaran, Nikitha J, Melby Merrin Motty, Kaviya A, Archana G, Sivakumar Thangavel, Investigate the Effect of Sevelamer on Cardiovascular Function in Hemodialysis Patients with End Stage Renal Disease, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
208. KARTHIGADEVI K, Shanmuganathan S, Vijayan Venugopal, Seethalakshmi P, Reeta Vijaya Rani, Muralikrishnan Dhanasekaran, Mullaicharam Bhupathyraaj, SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY EVALUATION OF NOVEL SCHIFF BASE SUBSTITUTED THIAZOLIDINONE DERIVATIVES, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
207. Petulia Angelica Joseph, Muralikrishnan Dhanasekaran, The Impact of Humanities on Future Science, technology, engineering, and Mathematics. (STEM) and Healthcare, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
206. Karthigadevi K, Anbazhagan S, Muralikrishnan Dhanasekaran, Kavimani S, Jajjara Gopi Sudheer Kumar, Shanmuganathan S, ASSESS THE NEUROPROTECTIVE EFFECTS OF SYMPATHOLYTICS (BETA-ADRENERGIC ANTAGONIST) AGAINST DOPAMINERGIC NEUROTOXICITY, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
205. Bharathi M, Rajalingam D, Mariyam Bee A.J, Muralikrishnan Dhanasekaran, Reeta Vijaya Rani. K, Mullaicharam Bhupathyraaj, Brito Raj.S, DESIGN AND CHARACTERISATION OF ROSUVASTATIN CALCIUM NANOSPONGE USING A NATURAL POLYMER, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
204. K. Reeta Vijaya Rani, Kiruba Mohandoss, Mullaicharam Bhupathyraaj, Muralikrishnan Dhanasekaran, DESIGN AND EVALUATION OF NIOSOME EMBEDDED TRANSDERMAL PATCH OF NIFEDIPINE, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
203. K. Reeta Vijaya Rani, M. Suba, Mullaicharam Bhupathyraaj, Muralikrishnan Dhanasekaran, Kiruba Mohandoss, Design and evaluation of innovative bilayer tablet of Gliclazide and Sitagliptin for the management of type II diabetes mellitus, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
202. Jemimah Savariraj, Sundar Raj A, Muralikrishnan Dhanasekaran, Reeta Vijaya Rani, Sivapriya Jothilingam, Carica papaya Mediated Green Synthesis of CuO-ZnO nanocomposite and its Anti-bacterial Activity, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.

-
201. Kiruba Mohandoss, Tanmayee Paladugu, Muralikrishnan Dhanasekaran, Development of an Aesthetic and Effective formulation with Natural Vinca bioactives to cure various canine dermal pathologies, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
 200. Bernadette Elizabeth Elder, Muralikrishnan Dhanasekaran, Suhrud Pathak, Artificial Intelligence Holds the Power to Positively Change the Lives of Patients with Movement Disorders, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
 199. John Bennett Lange, Suhrud Pathak, Keyi Liu, Muralikrishnan Dhanasekaran, Establishing the current and future importance of artificial intelligence in the diagnosis, prevention, and treatment of Alzheimer's Disease, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
 198. Keyi Liu, Surekha Kadannagari, Jack Deruiter, Suhrud Pathak, Kodye L Abbott, Julia M Salamat, Satyanarayana R Pondugula, Benson T Akingbemi, Muralikrishnan Dhanasekaran, Investigate the effect of industrial chemicals used in polycarbonate plastics (bisphenol derivatives) on rodent liver, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
 197. Matthew Johnson, Ashleigh Farmer, Suhrud Pathak, Muralikrishnan Dhanasekaran, Enhancing Healthcare for Patients with Depression Through Artificial Intelligence (AI), Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
 196. Suhrud Pathak, Keyi Liu, Surekha Kadannagari, Satyanarayana Pondugula, Muhammed Majeed, Nagabhushanam Kalyanam, Timothy Moore, Muralikrishnan Dhanasekaran Exploring Tetrahydrocurcumin's Neuroprotective actions: A Major Curcumin Metabolite, Proceedings of 27th Annual Technological Advances in Science, Medicine and Engineering Conference, 2023.
 195. Kruthi Gopal, Sarah Moss, Keli McDonald, Muralikrishnan Dhanasekaran, Centella asiatica effects on various organ systems, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 194. Mousumi Barua, Suhrud Pathak, Muralikrishnan Dhanasekaran, In-Silico Analysis of the Bioactives present in Cimicifuga racemosa: Correlating the bioactives to their prophylactic and therapeutic effects, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 193. Keyi Liu, Surekha Kadannagari, Suhrud Pathak, Sindhu Ramesh, Jack Deruiter, Satyanarayana R Pondugula, Timothy Moore, Muhammed Majeed, Nagabhushanam Kalyanam, Muralikrishnan Dhanasekaran, Investigate the Neuroprotective Actions of a Novel Curcuminoid "Calebin-A", Technological Advances in Science, Medicine and Engineering Conferences, 2022.

-
192. Nuri Fatema, Rishi Nadar, Rishi Nadar, Jack Deruiter, Sindhu Ramesh, Sindhu Ramesh, Suhrud Pathak, Timothy Moore, Timothy Moore, Muralikrishnan Dhanasekaran, Muralikrishnan Dhanasekaran, A Magic velvet Bean: an ancient botanical used as levodopa in advanced Parkinson's disease, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 191. Vivek Yadav, Swaminathan J, Muralikrishnan Dhanasekaran, Rajiv Kumar Tonk, Design, synthesis, and biological evaluation of pyrimidine heterocyclic molecules as the ALK inhibitor for the lung carcinoma, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 190. Sharmila Dusi, Sivakalai J. S, Muralikrishnan Dhanasekaran, Swaminathan J Phytochemical Evaluation of Dried Fruits of Terminalia chebula, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 189. Mohammed Ali Majrashi, Mohammed Almaghrabi, Maali Fadan, Ayaka Fujihashi, Jack Deruiter, C Randall Clark, Muralikrishnan Dhanasekaran, Investigate the Hippocampal and Dopaminergic Neurotoxicity of the Piperazine Designer Drugs (3-TFMPP, 2-TFMPP, and 4-TFMPP), Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 188. Jeyabalan Govindasamy, Muralikrishnan Dhanasekaran, Jeyaram Bharathi Jeyabalan, Scientific and Non-Scientific Perspective Credence of Cannabis in the Indian Subcontinent, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 187. Meredith Meadows Almy, Sindhu Ramesh Timothy Moore, Muralikrishnan Dhanasekaran, Rosmarinic Acid: A Prospective Treatment for Parkinson's Disease, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 186. Ayeh Trish, Manal Buabeid, Sindhu Ramesh, Suhrud Pathak, Timothy Moore, MuraliKrishnan Dhanasekaran, Validating the neuroprotective effects of Centella, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 185. Danish Kamal, Sivakalai J. S, Muralikrishnan Dhansekeran, SWAMINATHAN J, A vital Analysis of the Knowledge and Awareness regarding "Deworming Practices" among Parents of young and adolescent Children in an Urban Village in South Delhi, India, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 184. ROSHAN KUMAR SHA, sivakalai s, MuraliKrishnan Dhanasekeran, Swaminathan J, Critical Survey of immunization coverage and relevant factors associated with routine childhood immunization for children (under 5 years of age) at an urban village in south Delhi, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 183. Hariteja Ramapuram, Suhrud Pathak, Sindhu Ramesh, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, Past and Present Views of Cannabis in the Indian Subcontinent, Technological Advances in Science, Medicine and Engineering Conferences, 2022.

-
-
182. Lily Royston, Pathak, Suhrud; Ramesh, Sindhu; Moore, Timothy; Dhanasekaran, Muralikrishnan; An Analysis of the Metabolic Action of Cannabis Consumption, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 181. Hemalatha Selvaraj, Muralikrishnan Dhanasekaran, kumudha Damadarasamy, Kanagaraj Duraisamy, A Cross-Sectional Study on the Assessment and Evaluation of Quality of Life of Human Immunodeficiency Virus and Tuberculosis (HIV- TB) Co-Infected Patients Compared to HIV Infected Patients Using WHOQOL-BREF Questionnaire in a population of the Indian Subcontinent, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 180. N. Kirubakaran, K. Reeta Vijaya Rani, Manoj Govindarajulu, Sindhu Ramesh, Kiruba Mohandoss, Mohammed Almaghrabi, Timothy Moore, Muralikrishnan Dhanasekaran, Potential Therapeutic Validation of Siddha D5 Chooranam for the Treatment of Hyperglycemic Condition: An In-silico Analysis, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 179. S. Karpagam Kumara Sundari, A. Mohamed Rassa, B. S. Harishni, Sindhu Ramesh, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, Establish the neuroprotective effects of Curcuma longa extract against Alloxan and Phenytoin-induced cognitive impairment, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 178. S. Karpagam Kumara Sundari, A. Mohamed Rassa, B. S. Harishni, Sindhu Ramesh, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, Gotu Kola (Mandukaparni, Centella asiatica) prevents cognitive impairment induced by hyperglycemia and reduced repetitive neuronal firing, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 177. Reeta Vijaya Rani, Kiruba Mohandoss, N. Kirubakaran, Manoj Govindarajulu, Sindhu Ramesh, Mohammed Almaghrabi, Timothy Moore, Muralikrishnan Dhanasekaran, Pandemic and Personalized Medicine: An imminent Need for Global "Patient Care" Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 176. Hemalatha Selvaraj, Muralikrishnan Dhanasekaran, kumudha Damadarasamy, Kanagaraj Duraisamy, A Systemic analysis on Response to DOTS Regimen on Opportunistic HIV Infected Patient with Tuberculosis in A Tertiary Care Hospital; A Clinical Pharmacist Perspective to Enhance Healthcare, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 175. Brandon Thomas, Aishah Harshan, Mohammed Almaghrabi, Sindhu Ramesh, Suhrud Pathak, Manoj Govindarajulu, Timothy Moore, Jack Deruiter, Randall Clark, Muralikrishnan Dhanasekaran, The Toxic Effects of Piperazines and their Structural Congeners (Designer Drugs) on Ovarian Cells, Technological Advances in Science, Medicine and Engineering Conferences, 2022.

-
174. S SIVAKALAI, J SWAMINATHAN, Muralikrishnan Dhanasekeran, INVESTIGATE THE ALTERATIONS IN THE HAEMATOLOGICAL AND URINAL PARAMETERS DUE TO THE EXPOSURE OF" BANCROFTIAN FILARIASIS" IN RURAL AREAS OF VELLORE DISTRICT, TAMIL NADU, INDIA, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 173. Manal Buabeid, Muralikrishnan Dhanasekeran, Validating the safety and pharmacological profile of American Skullcap (*Scutellaria lateriflora*) in a bovine animal model, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 172. Kruthi Gopal, Suhrud Pathak, Jack Deruiter, Rishi Nadar, Sindhu Ramesh, R Jayachandra Babu, Courtney Suzanne Watts Alexander, Kamal Dua, Randall Clark, Timothy Moore, Muralikrishnan Dhanasekeran, Compelling Impacts For Natural Polymer-Centered Drug Delivery Systems as Prophylactic and Therapeutic Approaches in Various Pulmonary Disorders/Lung Diseases, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 171. Suhrud Pathak, Padmamalini Baskaran, Jayachandra Babu Ramapuram, Muralikrishnan Dhanasekeran, Capsaicin ameliorates high-fat diet induced oxidative stress in NAFLD via TRPV1, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 170. Mohammed Almaghrabi, Mohammed Majrashi, Ahmad Almalki, Darshini Desai, Muralikrishnan Dhanasekeran, Jack DeRuitter, C. Randall Clark, Design, Synthesis, and Characterization of New Piperazine Psychoactive Substances: In silico and in vitro studies, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 169. Keyi Liu, Surekha Kadannagari, Suhrud Pathak, Jack Deruiter, Kodye L Abbott, Julia M Salamat, Rachel C Knight, Bamidele O Jeminiwa, Satyanarayana R Pondugula, Benson Akingbemi, Muralikrishnan Dhanasekeran, Effects of Bisphenol S on the Markers of Hepatocellular Function in Prepubertal Male Long-Evans Rats, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 168. Keyi Liu, Surekha Kadannagari, Suhrud Pathak, Sindhu Ramesh, Timothy Moore, Holly M Brown-Borg, Muralikrishnan, Dhanasekeran, Impact of Cellular Biosignaling (Pro-inflammatory & Prooxidant) Markers Associated with Innate Immunity and Protease Activity in the Heart Correlates to Enhanced Lifespan of Ames Dwarf Mice, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 167. Rushendran Rapuru, Ilango K, Muralikrishnan Dhanasekeran, Networking of *Chrysanthemum indicum*, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 166. Euitaek Yang, Muralikrishnan Dhanasekeran, Kodeeswaran Parameshwaran, Maspardin interacts with Rab5 and likely regulates early endosomal cycling, Technological Advances in Science, Medicine and Engineering Conferences, 2022.

-
165. J. Jeyaram Bharath, Jeyabalan Govindasamy, Muralikrishnan Dhanasekaran, Novel Synthetic “Small Molecule Neurotrophins” to reduce cholinergic and dopaminergic neurodegeneration in Parkinson’s Disease, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 164. Dwipayana Bhattacharya, Sindhu Ramesh, Jenna Bloemer, Subhrajit Bhattacharya, Martha Escobar, Tim Moore, Muralikrishnan Dhanasekaran, Vishnu Suppiramaniam, Novel Prophylactic and Therapeutic Interventions to treat neurotoxicity associated with Prenatal Alcohol Exposure, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 163. Vindhya Basetty, Sindhu Ramesh, Manoj Govindarajulu, Chandan Basetty, Timothy Moore, Muralikrishnan Dhanasekaran, “Long COVID” or “Post-COVID Conditions”: Identified and Unidentified Socioeconomic and Medical Data to be Considered for Future Healthcare, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 162. Chastity N Bradford, Rachel Parise, Suhrud Pathak, Timothy Moore, Muralikrishnan Dhanasekaran, Effect of COVID-19 Therapy on Cardiovascular Function, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 161. Shreya Patel, Dylan Bowen, Rishi Nadar, Rachel Parise, Suhrud Pathak, Courtney Alexander, Sindhu Ramesh, Austin Moore, Jun Ren, Timothy Moore, Muralikrishnan Dhanasekaran, Influence of Augmented Prooxidants and Depleted Antioxidants on the Etiology and Pathogenesis of Severe Acute Respiratory Syndrome, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 160. Jenna Bloemer, Rachel Parise, Sindhu Ramesh, Rishi Nadar, Suhrud Pathak, Austin Moore, Courtney Suzanne Watts Alexander, Timothy Moore, Muralikrishnan Dhanasekaran Clinical Possibility for the use of Natural Bioactive Based Remedies in Alleviating “SARS-CoV-2” (COVID-19) and “Long-COVID” induced Neuropathologies: A Meta-Analysis, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 159. Soorya Rajendran, Austin Moore, Rachel Parise, Sindhu Ramesh, Suhrud Pathak, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran Elucidating the Neurotoxic Mechanisms of SARS-CoV-2 that can Aggravate Neuroinflammation leading to Neurodegeneration, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 158. Chandan Basetty, Vindhya Basetty, Sindhu Ramesh, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, Innovative Prophylactic Strategies and Therapeutic Approaches for Post-COVID Pathologies, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 157. Rachel Parise, Rishi Nadar, Sindhu Ramesh, Manoj Govindarajulu, Timothy Moore, Gary Piazza, Dinesh Chandra Agrawal, Muralikrishnan Dhanasekaran, Therapeutic and Prophylactic Approach of Medicinal Mushroom Use in SARS-COV-2, Technological Advances in Science, Medicine and Engineering Conferences, 2022.

-
156. Phillip McCain, Sindhu Ramesh, Rachel Parise, Suhrud Pathak, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran , Ocular Manifestations from COVID-19 Differ from that of Ophthalmic Disorders Formed by Viral Infections, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 155. Kawsar Ullah Chowdhury, Kelli McDonald, Suhrud Pathak, Rishi Nadar, Sindhu Ramesh, Rishi Nadar, Sindhu Ramesh, Manoj Govindarajulu, Manoj Govindarajulu, Courtney Suzanne Watts Alexander, Courtney Suzanne Watts Alexander, Vishnu Suppiramaniam, Vishnu Suppiramaniam, Timothy Moore, Timothy Moore, Muralikrishnan Dhanasekaran, Muralikrishnan Dhanasekaran, Establishing the Impact of Gut microbiome alterations leading to increased risk of neurodegeneration, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 154. Shannon Kim, Suhrud Pathak, Kruthi Gopal, Jack Deruiter, Rishi M Nadar, Satyanarayana Pondugula, Sindhu Ramesh, Kamal Dua, Harish Dureja, Randall Clarke, Timothy Moore, Muralikrishnan Dhanasekaran, Elucidating the molecular mechanisms of toxicity of natural polymer-based drug delivery systems used in various pulmonary disorders, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 153. Tharanath Shankar, Sindhu Ramesh, Vijayashree Thyagaraj, Ashwin Kulkarni, Akshay Rao, Amulya Manohar, Nithin Kumar, Manoj Yogesh Govindarajulu, Timothy Moore, Muralakrishnan Dhanasekaran, Unusual hepatic manifestations following COVID19 infection, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 152. Austin Michael Moore, Rachael Parise, Sindhu Ramesh, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, Elucidate the Effect of COVID-19 on Endocrine Function: A rationale comparison of the effects of COVID-19 with other prevalent viral infections, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 151. Anna Huckabee, Rachel Parise, Jack Deruiter, Jun Ren, Manoj Govindarajulu, Sindhu Ramesh, Rishi M. Nadar, Timothy Moore, Muralikrishnan Dhanasekaran, Co-morbidities associated with COVID-19: Effect of COVID-19 Therapy on Diabetes Mellitus, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 150. Ayaka Fujihashi, Rachel Parise, Sindhu Ramesh, Jun Ren, Manoj Y. Govindarajulu, Rishi M. Nadar, Timothy Moore, Muralikrishnan Dhanasekaran, A scientific perspective on the differences between Omicron and the original SARS-CoV-2, a literature review, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 149. Rishi Nadar, Rachel Parise, Yiran E. Li, Sindhu Ramesh, Jun Ren, Manoj Govindarajulu, Timothy Moore¹, Muralikrishnan Dhanasekaran, An assessment of the health influence of SARS-CoV-2 (COVID-19) on cancer, Technological Advances in Science, Medicine and Engineering Conferences, 2022.

-
148. Shivani N Patel, Sindhu Ramesh, Manoj Govindarajulu, Thomas Tony, Timothy Moore, Muralikrishnan Dhanasekaran A meta-analysis of Sexual Disorders correlated with the COVID-19 pandemic, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 147. Gabriel Caleb Alford, Suhrud Pathak, Reeta Vijaya Rani, Surekha Kaddanagari, Sindhu Ramesh, Manoj Govindarajulu, Kiruba Mohandoss, Mohammed Almaghrabi, N Kirubakaran, Jayachandra Babu, Timothy Moore, Muralikrishnan Dhanasekaran, Novel phytosomal formulation of American arborvitae (*Thuja occidentalis*), Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 146. Courtney S. Watts Alexander, Raegan T. Willoughby, Mattie C. Kilpatrick, Suhrud Pathak, Muralikrishnan Dhanasekaran, Preemptive pharmacogenomics in the optimization of pain management, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 145. Elizabeth Ledbetter, Satyanarayana R Pondugula *, Mohammed Almaghrabi, Mohammed Majrashi, Kodye L Abbott, Manoj Govindarajulu, Sindhu Ramesh, Fada Alghenaim, Rishi Nadar, Tony Thomas, Muhammed Majeed, Kalyanam Nagabhushanam, Timothy Moore, Muralikrishnan Dhanasekaran, Oroxyllum Indicum Extract Exhibits Antiepileptic Actions in Kainic Acid-Induced Epilepsy in Male Sprague-Dawley Rats, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 144. Victoria Theresa Apel, Satyanarayana R Pondugula *, Mohammed Almaghrabi, Mohammed Majrashi, Kodye L Abbott, Manoj Govindarajulu, Sindhu Ramesh, Fada Alghenaim, Rishi Nadar, Tony Thomas, Muhammed Majeed, Kalyanam Nagabhushanam, Timothy Moore, Muralikrishnan Dhanasekaran Anti-lipidemic effects of Oroxyllum indicum extract in valid rodent models of hyperlipidemia, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 143. Surekha kadannagari, keyi liu, suhrud pathak, Jack Deruiter, Kodye Abbott, Julia Salamat, Rachel Knight, Bamidele Jeminiwa, Satyanarayana Pondugula, Benson Akingbemi, Muralikrishnan Dhanasekaran Effects of Bisphenol A on Oxidative Stress, Apoptosis, Inflammation, and Mitochondria in the Liver of Growing Male Long-Evans Rats, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 142. Surekha kadannagari, Keyi liu, Suhrud Pathak, Sindhu Ramesh, Jack Deruiter, Satyanarayana Pondugula Pondugula, Timothy Moore, Muhammed Majeed, Nagabhushanam Kalyanam, Muralikrishnan Dhanasekaran Determine the Effects of a 3'-Hydroxypterostilbene on Dopaminergic and Hippocampal Neurons. Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 141. Surekha Kadannagari, Keyi Liu, Suhrud Pathak, Sindhu Ramesh, Timothy Moore, Brown-Borg Holly, Muralikrishnan Dhanasekaran Elucidate the Hepatocellular Alterations in Ames Dwarf Mice Associated with the Increased Life Expectancy, Technological Advances in Science, Medicine and Engineering Conferences, 2022.

-
140. Rachel Lusk, Suhrud Pathak, Sindhu Ramesh, Timothy Moore, Muralikrishnan Dhanasekaran American skullcap (*Scutellaria lateriflora*): An ancient botanical as a current therapy for various neurodegenerative and other age-related pathologies. Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 139. Dhingra, Jahnavi, Bowen Dylan; Ramesh Sindhu; Deruiter Jack; Govindarajulu Manoj; Pathak Suhrud; Moore Timothy; Dhanasekaran Muralikrishnan. Examining the effects of Cannabinoids on the Endocannabinoid System., Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 138. Suhrud Pathak, Mohammed Almaghrabi, Sindhu Ramesh, Rishi Nadar, Timothy Moore, Jack Deruiter, Randall Clark, Muralikrishnan Dhanasekaran Effect of Piperazine based novel psychoactive substance MDBP on dopaminergic neurotoxicity, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 137. Niharika Chopra, Sivakalai J. S, Muralikrishnan Dhanasekaran, Swaminathan A, valid and novel Non-Pharmacological Approach to reduce the risk of Neurological and Neurodegenerative Diseases. Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 136. Priyanka D Pinky, Jenna Bloemer, Warren D Smith, Yifeng Du, Ryan T Heslin, Sharay E Setti, Jeremiah C Pfitzer, Kawsar Chowdhury, Hao Hong, Subhrajit Bhattacharya, Muralikrishnan Dhanasekaran, Alexander Dityatev, Miranda N Reed, Vishnu Suppiramaniam. Prenatal cannabinoid exposure is associated with synaptic plasticity and memory deficits in offspring, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 135. Sindhu Ramesh, Suhrud Pathak, Surekha Kadannagari, Keyi Liu, Dylan Bowen, Rishi Nadar, Amit Mitra, Muralikrishnan Dhanasekaran, Timothy Moore, Lysophosphatidic acid induces tau hyperphosphorylation through MAPK pathway. Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 134. Hayr nnisa Taşci, Birsen TOZKOPARAN KOPRUCU, Beg m Nurpelin Saęlık, Yusuf  zkay, Suhrud Pathak, Muralikrishnan Dhanasekaran, Nesrin G khan Kelekçi Design, synthesis, in silico analysis, and elucidate the in vitro pharmacodynamic neuroprotective effects of novel "Benzoxazolinone Hydrazone Derivatives" Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 133. Mansour Alturki^{2,6}, S. Karpagam Kumara Sundari^{1*}, Ian Steinke², Jack Deruiter², Sindhu Ramesh², Manoj Govindarajulu², Mohammed Almaghrabi², A. Mohamed Rassa ¹, K.A.S. Mohamed Shafeeq¹, Payton Lowery², Jayachandra Babu Ramapuram², Jun Ren^{3,4}, K. Reeta Vijaya Rani⁵, Forrest Smith², Timothy Moore², Muralikrishnan Dhanasekaran^{2*}, An in-silico and in vivo Validation of a novel chemically induced animal model of Cognitive Impairment, Technological Advances in Science, Medicine and Engineering Conferences, 2022.

-
132. Ian Edward Davis, Ian Steinke, Forrest Smith, Sindhu Ramesh, Suhrud Pathak, Timothy Moore, Muralikrishnan Dhanasekaran, Establishing the possible Anti-psychotic actions of *Bacopa monnieri* (Brahmi) for therapeutic use: An In-silico study and Meta-Analysis, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 131. Suhrud Pathak, Keyi Liu, Surekha kadannagari, Sindhu Ramesh, Jack Deruier, Satyanarayana Pondugula, Timothy Moore, Muhammed Majeed, Nagabhushanam Kalyanam, Muralikrishnan Dhanasekaran, Elucidating the Neuroprotective Mechanisms of Tetrahydrocurcumin: A Key Curcumin Metabolite, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 130. Sruthi Rajan, Mohammed Almaghrabi, Manoj Govindarajulu, Sindhu Ramesh, Rishi M. Nadar, Timothy Moore, Muralikrishnan Dhanasekaran, *Thuja occidentalis*: a Traditional Botanical as a Therapeutic Agent, Technological Advances in Science, Medicine and Engineering Conferences, 2022.
 129. Salamat JM, Abbott KL, Flannery PC, Majrashi M, Almaghrabi M, Govindarajulu M, Ramesh S, Onteru SK, Sandey M, Huang CC, Gill K, Narayanan N, McElroy E, Desai D, Nadar R, Moore T, Nagabhushanam K, Majeed M, Dhanasekaran M, Pondugula SR. *Oroxylum indicum* extract, at a physiologically relevant dosage, does not induce hepatotoxicity in C57BL/6J mice. *Experimental Biology*, 2021.
 128. Rachel Parise, Sindhu Ramesh, Manoj Govindarajulu, Tony Thomas, Timothy Moore, Muralikrishnan Dhanasekaran, COVID-19 induced renal dysfunction significantly differs from other common viral associated renal pathologies, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 127. Caroline Arden Jackson, Sindhu Ramesh, Manoj Govindarajulu, Tony Thomas, Timothy Moore, Muralikrishnan Dhanasekaran, Systematic comparison of Gastrointestinal Pathologies Associated with COVID-19 with other common viral infection, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 126. Manjusha Annaji, Ishwor Poudel, Sindhu Ramesh, Manoj Govindarajulu, Muralikrishnan Dhanasekaran, Jayachandra Babu Ramapuram, Application of Extrusion-based 3D Printing Technology for the Prophylaxis and Treatment of COVID-19, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 125. Austin Michael Moore, Sindhu Ramesh, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, COVID-19 induced central nervous system disorders differs from other common viral associated central nervous system pathologies, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.

-
124. Claire Hiott, Sindhu Ramesh, Manoj Govindarajulu, Tony Thomas, Timothy Moore, Muralikrishnan Dhanasekaran, Evaluation of Prevalent Ophthalmic Pathologies Associated with COVID-19: A systematic comparison with other common viral infections, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 123. Kathryn Elizabeth Dorsten, Sindhu Ramesh, Manoj Govindarajulu, Tony Thomas, Timothy Moore, Muralikrishnan Dhanasekaran, Impact of COVID-19 on the cardiovascular system (CVS), Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 122. Jessica Leigh Canaday, Muralikrishnan Dhanasekaran, Sindhu Ramesh, Manoj Govindarajulu, Tony Thomas, Timothy Moore, A clinical review of COVID-19 related respiratory pathologies as compared to other common viral diseases, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 121. Swetha Babu, Sindhu Ramesh, Manoj Govindarajulu, Muralikrishnan Dhanasekaran, Systematic Review of Role of Chest Physiotherapy in Patients with COVID-19, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 120. Suhrud Yogeshbhai Pathak, Sindhu Ramesh, Manoj Govindarajulu, Tony Thomas, Timothy Moore, Muralikrishnan Dhanasekaran, Compare the endocrinological effects of COVID-19 with other common viral diseases, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 119. Danielle Elyse Wilson, Sindhu Ramesh, Manoj Govindarajulu, Thomas Tony, Timothy Moore, Muralikrishnan Dhanasekaran, COVID-19 associated male and female reproductive pathologies significantly varies as compared to the other common viral infections (HINI, Hepatitis, AID & SARS), Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 118. Mallory McClung, Sindhu Ramesh, Manoj Govindarajulu, Tony Thomas, Timothy Moore, Muralikrishnan Dhanasekaran, COVID-19 induced Immunological disorders: A systemic comparison with other common viral-induced immune disorders, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 117. Saba Omer¹, Maninder Sandey², Mohammed Mansour¹, Satyanarayana Pondugula¹, Sindhu Ramesh⁴, Muralikrishnan Dhanasekaran⁴, Brad Matz³, Dawn Boothe¹, Anti-Cancer Effects of Endocannabinoids in Canine Non-Hodgkin Lymphoma, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 116. Saba Omer¹, Mohammed Mansour¹, Satyanarayana Pondugula¹, Sindhu Ramesh³, Muralikrishnan Dhanasekaran⁴, Brad Matz², Dawn Boothe¹, Effect of Exogenous Cannabinoids on Non-Hodgkin Lymphoma, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.

-
115. Manal Buabeid, Aye Trish, Muralikrishnan Dhanasekaran, Vishnu Suppiramaniam, Memory deficits in rodent off-springs associated with common stimulant exposure during pregnancy, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 114. Aye Trish, Manal Buabeid, Muralikrishnan Dhanasekaran, Vishnu Suppiramaniam, Memory deficits in rodent off-springs associated with common stimulant exposure during pregnancy, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 113. Fada Ahmad Alghenaim, Mohammed Almaghrabi, Randall Clark, Jack Deruiter, Timothy Moore, Muralikrishnan Dhanasekaran, Investigating the Dopaminergic Neurotoxic Potential of Kainic acid, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 112. Kelli McDonald, Miranda Reed, Vishnu Suppiramaniam, Muralikrishnan Dhanasekaran, Cannabis use and neurocognitive changes, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 111. Soorya Gokulan Rajendran, Mansour Alturki, Mohammed Almaghrabi, Mohammed Majrashi, Ayaka Fujihashi, Sindhu Ramesh, Timothy Moore, Forrest Smith, Randall Clark, Jack Deruiter, Muralikrishnan Dhanasekaran, Establishing the in-silico properties (pharmacodynamics and pharmacokinetic) of New Psychoactive Substance / Designer Drugs: "Piperazine derivatives", Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 110. Vindhya Basetty, Muralikrishnan Dhanasekaran, Sindhu Ramesh, Manoj Govindarajulu, Tony Thomas, Timothy Moore, Systematic Evaluation of Prevalent Musculoskeletal Skeletal Disorders Associated with COVID-19, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 109. Rishi Nadar, Sindhu Ramesh, Manoj Govindarajulu, Muralikrishnan Dhanasekaran, Timothy Moore, Apoptosis and Mitochondrial dysfunction are induced by Lysophosphatidic acid (LPA) in SH-SY5Y cell line., Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 108. Grace A McKerley, Sindhu Ramesh, Manoj Govindarajulu, Mohammed Majrashi, Eddie Fahory, Timothy Moore, Dennis Shannon, Frederik W Van Ginkel, Dean Schwartz, Barbara W Kempainen, Muralikrishnan Dhanasekaran, Investigate the neuroprotective mechanisms (anti-inflammatory and immunomodulatory activities) of Scutellaria lateriflora, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 107. Kelli McDonald, Mohammed Majrashi, Mansour Alturki, Sindhu Ramesh, Manoj Govindarajulu, Mohammed Almaghrabi, Vishnu Suppiramaniam, Timothy Moore, Miranda Reed, Muralikrishnan Dhanasekaran, Ketone bodies as possible therapeutic option for neurodegenerative diseases, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.

-
-
106. Mohammed Almaghrabi, Jack Deruiter, Randall Clark, Muralikrishnan Dhanasekaran, New psychoactive substance & the designer drug 1-(3,4-methylenedioxybenzyl)-piperazine (MDBP) exerts significantly lower in vitro dopaminergic neurotoxicity, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 105. Aishah Harshan, Sindhu Ramesh, Manoj Govindarajulu, Jack Deruiter, Randall Clark, Timothy Moore, Muralikrishnan Dhanasekaran, Establish the neuroprotective effects of Novel Psychoactive substances (Piperazines) on amyloid-beta ($A\beta$) metabolism, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 104. Kadanagari Surekha, Manjusha Annaji, Sindhu Ramesh, Jayachandra Babu Ramapuram, Muralikrishnan Dhanasekaran, New and Novel "Levodopa" formulations to treat Parkinsonism, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 103. Hariteja Ramapuram, Sindhu Ramesh, Manoj Govindarajulu, Dwipayana Bhattacharya, Timothy Moore, Vishnu Suppiramaniam, Muralikrishnan Dhanasekaran, Investigating the role of ILK signalling via administration of 7,8 DHF in Prenatal Alcohol Exposed Rat Model, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 102. Suhrud yogeshbhai Pathak, Reeta Vijaya Rani, Sindhu Ramesh, Manoj Govindarajulu, Kiruba Mohandoss, Mohammed Almaghrabi, N Kirubakaran, Jayachandra Babu Ramapuram, Timothy Moore, Muralikrishnan Dhanasekaran, Enhancing the bioavailability of Thuja occidentalis by designing new dermal formulations, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 101. Mary Fabbri, Aisha Harshan, Sindhu Ramesh, Manoj Govindarajulu, Mingliu Zhao, Mohammed Almaghrabi, Timothy Moore, Jack Deruiter, Randall Clark, Muralikrishnan Dhanasekaran Investigate the ovarian toxicity of psychoactive substances in vitro (Piperazine designer drugs & its structural congeners), Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 100. Mansour Alturki, Forrest Smith, Sindhu Ramesh, Manoj Govindarajulu, Jack Deruiter, Randall Clark, Timothy Moore, Muralikrishnan Dhanasekaran, A Novel animal model of Cognitive Impairment induced by increased blood glucose level and decreased neuronal firing, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 99. Dylan Robert Bowen, Suhrud Pathak, Sindhu Ramesh, Manoj Govindarajulu, Jack Deruiter, Randall Clark, Tim Moore, Muralikrishnan Dhanasekaran, Surekha Kadannagari, Cannabis: The Future of Medicine and Recreation, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.

-
98. Dylan Robert Bowen, Suhrud Pathak, Sindhu Ramesh, Manoj Govindarajulu, Jack Deruiter, Randall Clark, Tim Moore, Muralikrishnan Dhanasekaran, Surekha Kadannagari, New Psychoactive Substances are Dangerous Mimics , Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 97. Sindhu Ramesh, Manoj Govindarajulu, Rishi Nadar, Timothy Moore, Muralikrishnan Dhanasekaran, Activation of MAPK pathway in Lysophosphatidic acid induced tau hyperphosphorylation, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 96. Ishwor Poudel, Jihyuan Chae, Manjusha Annaji, Muralikrishnan Dhanasekaran, Jayachandra Babu Ramapuram, Fabrication of Drug Delivery Systems and In-vitro Testing Models Utilizing Pneumatic Extrusion-based 3D Printing Technology, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 95. Shriya k Patel, Sindhu Ramesh, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran Elucidating the in vitro neuroprotective effects of American Skullcap associated with cognitive impairment, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 94. Kawsar Ullah Chowdhury, Priyanka Pinky, Matthew Eggert, Jenna Bloemer, Lauren Woodie, Subhrajit Bhattacharya, Shanese Jasper, Muralikrishnan Dhanasekaran, Robert Arnold, Vishnu Suppiramaniam, Elucidating the role of glutamatergic neuronal signaling in a rodent model of chemobrain, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 93. Suhrud yogeshbhai Pathak, Reeta Vijaya Rani, Sindhu Ramesh, Manoj Govindarajulu, Kiruba Mohandoss, Mohammed Almaghrabi, N Kirubakaran, Jayachandra Babu Ramapuram, Timothy Moore, Muralikrishnan Dhanasekaran, Enhancing the bioavailability of Thuja occidentalis by designing new dermal formulations, Proceedings of Technological Advances in Science, Medicine and Engineering Conference 2021.
 92. Muralikrishnan Dhanasekaran, Mohammed Almaghrabi, Mohammed Majrashi, Kodye L Abbott, Julia M Salamat, Manoj Govindarajulu, Sindhu Ramesh, Fada Alghenaim, Rishi Nadar, Majeed, Muhammed, Kalyanam Nagabhushanam, Timothy Moore2, Satyanarayana R Pondugula1, Antiepileptic effects of Oroxyllum indicum extract in a valid (kainic acid-administered) rodent model of epilepsy, Experimental Biology Meeting, 2021.
 91. Satyanarayana R Pondugula, Aisha Harshan, Sindhu Ramesh, Manoj Govindarajulu, Mohammed Almaghrabi, Mohammed Majrashi, Kodye L Abbott, Julia M Salamat, Rishi Nadar, Mansour Alturki, Forrest Smith, Majeed Muhammed, Kalyanam Nagabhushanam, Timothy Moore, Jun Ren, Muralikrishnan Dhanasekaran, Cardioprotective effects of Oroxyllum indicum extract against chemotherapeutics-induced cardiotoxicity, Experimental Biology Meeting, 2021.

-
90. Julia M Salamat, Kodye L Abbott, Patrick C Flannery, Mohammed Almaghrabi, Mohammed Majrashi, Manoj Govindarajulu, Sindhu Ramesh, Suneel K Onteru, Maninder Sandey, Chen-Che Huang, Kristina Gill, Natasha Narayanan, Edwin McElroy, Darshini Desai, Rishi Nadar, Timothy Moore, Kalyanam Nagabhushanam, Muhammed Majeed, Muralikrishnan Dhanasekaran, Satyanarayana R Pondugula, Oroxyllum indicum extract, at a physiologically relevant dosage, does not induce hepatotoxicity in C57BL/6J mice, Experimental Biology Meeting, 2021.
 89. Omer, S., Boothe, D., Matz, B., Dhanasekaran, M., Pondugula S., Mansour M. Anti-tumor effects of cannabinoids against B-cell lymphoma, AACR malignant lymphoma conference. 2020.
 88. Harshan, AA., Ramesh, S., Govindarajulu, M., Zhao, M., Moore, T., Deruiter, J., Clark, R., Dhanasekaran, M., Piperazine Designer Drugs affects Amyloid beta (A β) pathway. 24thAnnual Virtual Symposium at the Sick Children's Hospital in Toronto, Canada, August 2020.
 87. Fabbrini, M., Harshan, AA., Ramesh, S., Govindarajulu, M., Zhao, M., Moore, T., Deruiter, J., Clark, R., Dhanasekaran, M., Investigate the ovarian toxicity of Piperazine Designer Drugs & its structural congeners. 24thAnnual Virtual Symposium at the Sick Children's Hospital in Toronto, Canada, August 2020.
 86. Jackson, C., Majrashi, M., Ramesh, S., Alturki, M., Govindarajulu, M., Schwartz, J., Almaghrabi, M., Smith, F., Suppiramaniam, V., Reed, M., Moore, T., Dhanasekaran, M., β -hydroxybutyric acid attenuates oxidative stress and improves mitochondrial functions in hippocampal neurons. 24thAnnual Virtual Symposium at the Sick Children's Hospital in Toronto, Canada, August 2020.
 85. Ramapuram, H., Alturki, M., Almaghrabi, M., Majrashi, M., Fujihashi, A., Ramesh, S., Govindarajulu, M., Moore, T., Smith; F., Clark, R., Deruiter, J., Dhanasekaran, M., Elucidation of pharmacokinetic and pharmacodynamic effects of designer drugs by Computational modelling. 24thAnnual Virtual Symposium at the Sick Children's Hospital in Toronto, Canada, August 2020.
 84. Bricco, K., E, Ramesh, S., Govindarajulu, M., Moore, T., Deruiter, J., Clark, R., Dhanasekaran, M., Meta-analysis of Piperazine designer drugs. 24thAnnual Virtual Symposium at the Sick Children's Hospital in Toronto, Canada, August 2020.
 83. Solomonik, AC., Desai, D., Majrashi, M., Almaghrabi, M., Abbott, K., Ramesh, S., Govindarajulu, M., Pondugulu, S., Moore, T., Dhanasekaran, M., Cyclophosphamide and doxorubicin induce dopaminergic neurotoxicity. 24thAnnual Virtual Symposium at the Sick Children's Hospital in Toronto, Canada, August 2020.
 82. Alghenaim, F., Ramesh, S., Govindarajulu, M., Harshan, Moore, T., Deruiter, J., Clark, R., Dhanasekaran, M., Validate the dopaminergic neurotoxic effects of Kainic acid. 24thAnnual Virtual Symposium at the Sick Children's Hospital in Toronto, Canada, August 2020.

-
81. Patel S, Ahuja M, Ramesh S, Govindarajulu M, Almaghrabi M, Suppiramaniam V, Moore T, Dhanasekaran M. Neuroprotective effects of *Centella asiatica* extract (CaE) against hydrogen peroxide induced oxidative stress in in-vitro hippocampal cell lines. 24th Annual Virtual Symposium at the Sick Children's Hospital in Toronto, Canada, August 2020.
 80. Annaji, M., Poudel, I., Dhanasekaran, M., Babu, JR. Fabrication of Personalized Multidrug Dosage Forms via Direct Powder Extrusion 3D Printing to Improve Patient Care. 24th Annual Virtual Symposium at the Sick Children's Hospital in Toronto, Canada, August 2020.
 79. Manoj Govindarajulu, Jenna Bloemer, Nila Ghanei, Sieun Yoo, Priyanka Das, Muralikrishnan Dhanasekaran, Vishnu Suppiramaniam, and Rajesh Amin. "A Novel PPAR-Gamma Modulator Enhances BDNF and Improves Cognitive Deficits and Neurodegeneration in a Model of Alzheimer's Disease". 13th Drug Discovery for Neurodegeneration Conference, 2019, Long Beach, CA.
 78. Sindhu Ramesh, Amit Mitra, Muralikrishnan Dhanasekaran, Timothy Moore. "Autotaxin-lysophosphatidic acid signaling dysregulation predispose to Alzheimer's like pathologies" 13th Drug Discovery for Neurodegeneration Conference, 2019, Long Beach, CA.
 77. Sindhu Ramesh, Manoj Govindarajulu, Amit Mitra, Muralikrishnan Dhanasekaran, Timothy Moore. Atorvastatin attenuates lysophosphatidic acid-induced tau hyperphosphorylation through p38 MAPK kinase pathway." ASPET Conference, 2019, Orlando, FL.
 76. Gill, K., Ramesh, S., Majrashi, M., Almaghrabi, M., Desai, D., Abbott, K., Fahoury, E., McElroy, E., Narayanan, N., Nadar, R., Moore, T., Pondugula, S., Dhanasekaran, M. Triglycerides: A Potential Hematological Marker in Animal Models of Cognitive Impairment. American Society for Pharmacology and Experimental Therapeutics, (2018), San Diego, CA.
 75. Pinky, P.D., Bloemer, J. Setti, S. E., Heslin, R.T., Du, Y., Dhanasekaran M, Dityatev, A., Reed, M.N., Suppiramaniam, V. Prenatal cannabinoid exposure results in learning and memory deficits in rodent adolescent offspring: Elucidation of the mechanism and identification of a therapeutic target. Poster presented at 'Society for Neuroscience (SfN)' conference. San Diego, CA, November 2019 'Invited Press Conference' (selected among 13,000 abstracts)
 74. S. Ramesh, M. Govindarajulu, T. Lynd, E. Jones, R. Amin, V. Suppiramaniam, T. Moore, M. Dhanasekaran. Sirt3 activator Honokiol attenuates Amyloid Beta through AMPK-CREB-PGC1a Pathways. 12th annual drug discovery for neurodegeneration conference, February 4-6, 2018, Arlington, VA.
 73. M. Govindarajulu, J. Bloemer, P. Das, O. Acevedo, T. Boncher, M. Reed, R. Arnold, R. Amin, M. Dhanasekaran, V. Suppiramaniam. Novel PPAR-gamma agonist improve pathology and memory deficits in a Triple Transgenic mice model of Alzheimer's disease. 12th annual drug discovery for neurodegeneration conference, February 4-6, 2018, Arlington, VA.
-

-
72. Majrashi MA, Almaghrabi M, Ramesh S, Desai D, Govindarajulu M, Suppiramaniam V, Deruiter J, Clark CR, Dhanasekaran M. Investigate the neurotoxic effects of the designer drug TriFluoroMethylPhenylPiperazine derivatives. Society for Neuroscience meeting, 2017.
 71. Almaghrabi M, Majrashi M, Anderson J, Desai D, Ramesh S, Govindarajulu M, Deruiter J, C. Randall Clark CR, Dhanasekaran M. Tri-Fluoro-Methyl-Phenyl-Piperazine derivatives exerts its action by affecting serotonergic neurotransmission. Society for Neuroscience meeting, 2017.
 70. Briggs G, Bhattacharya D, Majrashi M, Ramesh S, Govindarajulu M, Crump B.R, Suppiramaniam V, Dhanasekaran M. Elucidating the Cerebellar neurotoxic effects of nicotine in prenatal alcohol exposed rodent model. Society for Neuroscience meeting, 2017.
 69. Bloemer J, Bhattacharya D, Alhowail A, Pinky P, Judd R, Dhanasekaran M, Suppiramaniam V. (Nov 2017) Mice lacking adiponectin display presynaptic and postsynaptic deficits. Society for Neuroscience. Washington, D.C.
 68. Govindarajulu M, Adamek D, Lynd T, Briggs G, Bloemer J, Reed M, Dhanasekaran M, Amin R, Suppiramaniam V. Novel PPAR-gamma agonist improve pathology and memory deficits in a triple transgenic mouse model of Alzheimer's disease. Society for Neuroscience meeting, 2017.
 67. Lynd T, Govindarajulu M, Briggs G, Adamek D, Ellery J, Dhanasekaran M, Suppiramaniam V. SIRT3 agonist in an in vitro model of Alzheimer's disease. Society for Neuroscience meeting, 2017.
 66. Majrashi M, Bhattacharya D, Bhattacharya S, Bloemer J, Buabeid M, Escobar M, Das Pinky P, Suppiramaniam V, Dhanasekaran M. Does nicotine exposure potentiate the neurotoxic effects of prenatal alcohol-induced cognitive impairment? SFN, San Diego, CA, 2016.
 65. Bhattacharya D, Dunaway E, Bhattacharya S., Bloemer J., Escobar M, V. Suppiramaniam V, Dhanasekaran M. ILK signaling deficiency impairs hippocampal long-term potentiation and memory in fasd rat model, Society of Neuroscience, 2015.
 64. Shalgum A, Jones P, Angajala A, Glenn J, Dobbs J, Bowers, Griffin G, Collier W, Dhanasekaran M, Bradford CN. New Strategy, Old Remedy: Elucidating the Effect of Hibiscus Sabdariffa in a Neuronal Model of Oxidative Stress, Hypertension, 2015
 63. Mouli S, Nanayakkara G, AlAsmari A, Fu X, Eggert M, Nie B, Smith F, Arnold RD, Dhanasekaran M, Amin R. The Role of Frataxin in Doxorubicin Mediated Cardiac Hypertrophy. Cardiovascular Repair and Regeneration, 2014
 62. Bhattacharya S, Escobar M, Dhanasekaran M, Suppiramaniam V, GluR2 Mediated Amelioration of Synaptic Plasticity Changes in Fear Associated Memories, Society for Neuroscience, DC, 2014

-
61. Bhattacharya S, Escobar M, Dhanasekaran M, Suppiramaniam V, Molecular Mechanism of Memory Reconsolidation and Extinction, Society for Neuroscience, San Diego, CA, 2013
 60. Bhattacharya D, Zheng M, Ahuja M, Clement T, Dhanasekaran M. Invitro Cytotoxic Effects of Deepwater Horizon Oil Spill Tarmats. Society of Toxicology 2012
 59. Bhattacharya S, Buabeid M, Parameshwaran K, Abdel Rahman E, Dhanasekaran M, Suppiramaniam V, Developmental nicotine exposure leads to impaired N-Methyl-D-Aspartate receptor function and expression, Society for Neuroscience, New Orleans, LA, 2012
 58. Nanjappa MK, Ahuja M, Dhanasekaran M, Bartol FF, Judd RL, Akingbemi BT. "Oxidative Stress Induced by the Xenoestrogen Bisphenol A in Rat Leydig Cells Is Influenced by Diet". The Endocrine Society's 94th Annual Meeting and Expo, June, - Houston, TX, 2012.
 57. Ahuja M, Kariharan T, Uthayathas S, Buabied M, Brown-Borg HM, Suppiramaniam V, Dhanasekaran M. "Alterations in the neurochemical pathways contribute to the enhanced memory in long living Ames dwarf mice" SFN, Washington, DC, 2011
 56. Ahuja M, Buabeid M, Suppiramaniam V, Dhanasekaran M. "Centella Asiatica an emerging alternative to Alzheimer's disease" accepted for presentation in SOT Annual Meeting, Washington DC, 2011
 55. Buabeid M, Abdel Rahman E, Ahuja M, Dhanasekaran M, Shen J, Tao Y, Parameshwaran K. Suppiramaniam V. Prenatal Nicotine Exposure and Glutamatergic-Cholinergic Interplay. Society of Neuroscience 2011
 54. Abdel Rahman E, Buabeid M, Shonesy B, Ahuja M, Parameshwaran K, Amin R, Dhanasekaran M, Pinkert C. A, Judd R, Tao Y, Suppiramaniam V. Role of integrins linked kinase in synaptic plasticity and memory. Society of Neuroscience 2011
 53. Ahuja M, Buabeid M, Abel-Rahman E, Suppiramaniam V, Dhanasekaran M. Neuroprotective effects of *Centella asiatica* in an Alzheimer's disease animal model. SFN 2010, San Diego, Nov. 13-17, 2010
 52. Ahuja M, Dhanasekaran M, Suppiramaniam V. "Investigation of the neurotoxic mechanisms involved in Beta-amyloid deposition in PSAPP mice" Society of Toxicology, UT, 2010.
 51. Karuppagounder S, Uthayathas, S, Suppiramaniam, V, Dhanasekaran, M. Behavioral and neurochemical effect of environmental toxin (diquat). Annual meeting of Society of Toxicology 2009 Baltimore, MD (Published as a supplement to Toxicological Sciences, pp 445, 2009).
 50. Uthayathas S, Karuppagounder S, Shonesy B, Thiruchelvan K, Parameshwaran K, Suppiramaniam V, Dhanasekaran M. Neuroprotective effect of sildenafil against amyloid-beta (A β)-induced toxicity, Annual meeting of Society of Toxicology 2009 Baltimore, MD (Published as a supplement to Toxicological Sciences, pp 375) 2009.
-

-
49. Karuppagounder S.S, Uthayathas S, Shonesy B.C, Smith F, Suppiramaniam V, Dhanasekaran M. Evaluate the neuroprotective effects of PPAR delta agonists against MPP+-induced neurotoxicity in human SH-SY5Y neuroblastoma cells. Society for Neuroscience Washington D.C. 2008.
 48. Uthayathas S, Karuppagounder SS, Parameshwaran K, Brown-Borg HM, Suppiramaniam V, Dhanasekaran M. Evaluation of the mechanisms involved in the enhanced memory in long living Ames dwarf mice. 638.5/L2., Society for Neuroscience (SFN), Washington, DC, 2008.
 47. Karuppagounder SS, Uthayathas S, Shonesy BC, Smith FT, Suppiramaniam V, Dhanasekaran M. Neuroprotective mechanisms of peroxisome proliferator-activated receptor delta-selective agonists. 453.3/BB31., Society for Neuroscience (SFN), Washington, DC, 2008.
 46. Kariharan T, Shonesy B, Parameshwaran K, Dhanasekaran M, Suppiramaniam V, A nootropic drug Ampakine (CX-717) potently modulates synaptic AMPA receptor single channel properties. 130.11/C59., Society for Neuroscience (SFN), Washington, DC, 2008.
 45. Parameshwaran K, Uthayathas S, Karuppagounder S.S, Kariharan T, Huggins K, Dhanasekaran M, Suppiramaniam V, Prenatal nicotine exposure impairs AMPA receptor mediated synaptic transmission and memory. 130.13/C61., Society for Neuroscience (SFN), Washington, DC, 2008.
 44. Uthayathas S, Karuppagounder SS, Parameshwaran K, Shonesy BC, Suppiramaniam V, Dhanasekaran M. Effect of sildenafil against amyloid-beta (A β) induced neurotoxicity. 29th Annual meeting of the Southeastern Pharmacology Society, Charleston, SC, 2008.
 43. Karuppagounder SS, Uthayathas S, Veerappan RR, Ravis WR, Suppiramaniam V, Dhanasekaran M. Effect of DL-methamphetamine induced neurotoxicity. 29th Annual meeting of the Southeastern Pharmacology Society, Charleston, SC, 2008.
 42. Karuppagounder SS, Award T, Uthayathas S, Clark CR, Dhanasekaran M. Effects of synthetic methamphetamine –mimetic compounds in Parkinson’s disease animal model. *The Pharmacologist*, 50(1):53-54, 2008.
 41. Uthayathas S, Parameshwaran K, Karuppagounder SS, Suppiramaniam V, Dhanasekaran M. The selective phosphodiesterase 5 inhibitor, sildenafil, improves spatial and object memory in mice. *The Pharmacologist*, 50(1):60-61, 2008.
 40. Uthayathas S, Parameshwaran K, Karuppagounder SS, Suppiramaniam V, Dhanasekaran M. Enhancement of synaptic plasticity through chronic administration of phosphodiesterase 5 inhibitor in mice. *The Pharmacologist*, 50(1):51-52. 2008.
 39. Thrash BM, Uthayathas S, Karuppagounder SS, Suppiramaniam V, Dhanasekaran M. Evaluation of the neurotoxic effects of maneb. 28th Annual Meeting of the Pharmacologist, 50(1):61, 2008.

-
38. Dhanasekaran M, Albano CB, Karuppagounder SS, Uthayathas S, Suppiramaniam V, Mohanakumar KP, Brown-Borg HM, Ebadi M Role of Lipoamide Dehydrogenase on Iron & MPTP-induced neurotoxicity. 3rd International Symposium on "Neurodegeneration and Neuroprotection" 8-9th, Kolkata, India January 2007.
 37. Dhanasekaran M, Karuppagounder SS, Uthayathas S, Suppiramaniam V, Evaluation neurotoxic effect of diquat. Program No. 482.2/T16 Abstract Viewer/Itinerary Planner. San Diego, CA: Society for Neuroscience, 2007.
 36. Uthayathas S, Parameshwaran K, Karuppagounder SS, Ilbasmis Tamer S, Degim T, Suppiramaniam V, Dhanasekaran M. Phosphodiesterase- 5 inhibition enhances hippocampal long-term potentiation in the mice. Program No. 936.14/AAA2 Abstract Viewer/Itinerary Planner. San Diego, CA: Society for Neuroscience, 2007.
 35. Dhanasekaran M Uthayathas S, Parameshwaran K, Karuppagounder SS, Suppiramaniam V. Effect of Viagra® on neurodegenerative diseases. Annual Meeting of the American College of Clinical Pharmacy, Oct 14-17, Denver, CO, 2007.
 34. Dhanasekaran M, Uthayathas S, Ilbasmis Tamer S, Wijayawardhane KAN, Karuppagounder SS, Degim T, Suppiramaniam V. Assessment of neuroprotective mechanisms of sildenafil. Program No.185.20. 2006 Abstract Viewer/Itinerary Planner. Atlanta, GA: Society for Neuroscience, 2006.
 33. Uthayathas S, Karuppagounder SS, Parameshwaran K, Ilbasmis Tamer S, Degim T, Suppiramaniam V, Dhanasekaran M. Evaluation of Neuro-Pharmacological Properties of Sildenafil (VIAGRA®). The Pharmacologist, 48(4):158. SEPS Meeting, University/Oxford MS November 5-7, 2006.
 32. Uthayathas S, Parameshwaran K, Ilbasmis Tamer S, Degim T, Judd LR, Suppiramaniam V, Dhanasekaran M. Evaluate the neuroprotective effects of sildenafil in Parkinson disease animal model. Program No.379.21.2006 Abstract Viewer/Itinerary Planner. Atlanta, GA: Society for Neuroscience, 2006.
 31. Karuppagounder SS, Uthayathas S, Suppiramaniam V, Dhanasekaran M. Behavioral and neurochemical alterations caused by co administration of diquat and salisolinol. Program No. 686.2/I7 Abstract Viewer/Itinerary Planner. San Diego, CA: Society for Neuroscience, 2007.
 30. Ilbasmis Tamer S, Wijayawardhane N, Parameshwaran K, Uthayathas S, Dhanasekaran M, Suppiramaniam V, Degim T. Sildenafil (Viagra®) Enhances Excitatory Synaptic Transmission in Rat Hippocampus. 8th International Symposium on Pharmaceutical Sciences held June 13-16, in Ankara University, Turkey; Proceedings and abstracts P-225, pp343, 2006.
 29. Uthayathas S, Parameshwaran K, Suppiramaniam V, Dhanasekaran M. Effect of Ebselen against MPTP induced toxicity. Annual meeting of the Southeastern Pharmacology Society and Southeastern Society of Toxicology. Nashville, TN. 2005.

-
28. L.A. Holcomb, M. Dhanasekaran, K.A. Young and B.V. Manyam, The effect of antioxidant rich *Bacopa monniera* extract (BME) on behavior in the doubly transgenic PSAPP Alzheimer's disease mouse model, *Neurology* 62 (2004) A12-A12.
 27. L.A. Holcomb, M. Dhanasekaran, K.A. Young and B.V. Manyam, The effect of *Bacopa monniera* extract on neuropathology in the doubly transgenic PSAPP Alzheimer's disease mouse model, *Neurobiology of Aging* 25 (2004) S244-S244.
 26. Tharakan B, Dhanasekaran M, Mize-Berge J, Manyam BV. Effect of parkinsonian neurotoxins on plasmid and genomic DNA. Soc. for Neurosci. Annual meeting Nov. 12-16. Program No. 781.12. 2005.
 25. Dhanasekaran M, Tharakan B, Manyam BV. Anti-fatigue tribal herb-*Trichopus zeylanicus*: Mechanisms of action. Soc. for Neurosci. Annual meeting 556.3, Oct.23-27, 2004.
 24. Manyam BV, Dhanasekaran M, Hare TA. Neuroprotective effects of the antiparkinson drug *Mucuna pruriens*. II International Congress on Neuroregeneration. Rio de Janeiro, Sept 20-24, 2004.
 23. Holcomb LA, Dhanasekaran M, Young KA, Manyam BV. The effect of *Bacopa monniera* extract on neuropathology in the doubly transgenic PSAPP Alzheimer's disease mouse model. *Neurobiology Aging*; 25:S244, 2004.
 22. Dhanasekaran M, Holcomb LA, Young KA and Manyam BV. *Bacopa monniera* extract reduces beta-amyloid deposition in the doubly transgenic PSAPP Alzheimer's disease mouse model. *Neurology* 62 (Suppl 5), 2004.
 21. Holcomb LA, Dhanasekaran M, Young KA and Manyam BV. The effect of antioxidant rich *Bacopa monniera* extract (BME) on behavior in the doubly transgenic PSAPP Alzheimer's disease mouse model. *Neurology*; 62 (Suppl 5): A12, 2004.
 20. Mohanakumar KP, Thomas B, Santhamma KR, Saravanan KS, Sindhu KM, Muralikrishnan D. Improvement in brain mitochondrial function contributes to neuroprotection against 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine J. *Neurochem.* 87: S139, 2003.
 19. Albano CB, Muralikrishnan D, Meij JTA, Ebadi M, H. Brown-Borg. The role of coenzyme Q-10 in MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine)-induced toxicity. Society for Neuroscience, Annual meeting, New Orleans, LA, 2003.
 18. Dhanasekaran M., Zavodny RJ, Rodarte CO, Young KA, Manyam BV. Neurochemical studies of paraquat in rats—Effect on mitochondrial respiration & oxidative stress. Society for Neuroscience, Annual meeting, New Orleans, LA, 2003.
 17. Manyam BV, Dhanasekaran M, Hare TA. Neurorestorative effect of antiparkinson drug-*Mucuna pruriens*: antioxidant and neurochemical evidence. 6th International Conference Alzheimer's & Parkinson's Disease-New Perspectives. Seville, Spain, 2003.
-

-
16. Ebadi M, Sharma S, Muralikrishnan D, Shavali S, Eken J, Sangchot P, Chetsawang B, Brekke L. Metallothionein provides ubiquinone-mediated neuroprotection in Parkinson's disease. XXV Congreso Nacional De Farmacologia, Mazatlan, Sinaloa, 2002.
 15. Muralikrishnan D, Hare TA, Manyam BV. Anti-Parkinson drug – Mucuna pruriens Endocarp does not Alter Monoaminergic Neurotransmitters and its metabolites on chronic administration in the rat brain. Society for Neuroscience, Annual meeting, Orlando, FL, 2002.
 14. Mohanakumar KP, Basak S, Thomas B, Muralikrishnan D, Basu N, Gangopadhyay PK. Levels of catecholamine metabolites and antioxidant molecules in human cerebrospinal fluid from control, and patients with Parkinson's disease, Huntington's chorea, multiple sclerosis and spinocerebellar ataxia. International Symposium on Alzheimer's and Parkinson's Disease, Kyoto, Japan, 2001.
 13. Albano CB, Muralikrishnan D, Ebadi M. MPTP increases the concentration of coenzyme Q9 in the rodent substantia nigra but not in other brain regions. Society for Neuroscience, Annual meeting, San Diego, CA, 2001
 12. Mohanakumar KP, Basak S, Thomas B, Muralikrishnan D, Basu N, Gangopadhyay PK. Levels of catecholamine metabolites and antioxidant molecules in human cerebrospinal fluid from control, and patients with Parkinson's disease, Huntington's chorea, multiple sclerosis and spinocerebellar ataxia. International Symposium on Alzheimer's and Parkinson's Disease, Kyoto, Japan, 2001,
 11. Muralikrishnan D, Sharma S, Rodriguez-Sierra JF, Ebadi M. Ubiquinone-ubiquinol and metallothionein protect against thiol oxidation of brain mitochondrial complex I. Society for Neuroscience, Annual meeting, New Orleans, LA, 2000.
 10. Ebadi M, Hiramatsu M, Kumari MV, Rojas P, Rodriguez-sierrra JF, Heidrick M, Muralikrishnan D, Drees K. Ubiquinone (coenzyme Q10) and metallothionein isoforms protect dopaminergic cell lines from apoptosis induced by MPP+ and other inhibitors of complex I. Society for Neuroscience, Annual meeting, New Orleans, LA, 2000.
 9. Ebadi M, Hiramatsu M, Sharma S, Muralikrishnan D, Shavali S, Albano C. The role of complex-I, mitochondria, alpha-synuclein and parkin genes in Parkinson's disease. International Conference on Antioxidant and Free Radicals in Health and Disease. Vancouver, Canada, 2000.
 8. Ebadi M, Rojas P, Hiramatsu M, Pellett L, Muralikrishnan D, Murphy T, Drees K. Metallothionein (MT) isoforms protect against MPTP-induced parkinsonism. J.Neurochem. 78, 31st Annual Meeting of American Society for Neurochemistry, Chicago, IL, 2000.
 7. Ebadi M, Muralikrishnan D. Ubiquinone and mitochondrial oxidative disorders of aging. 2nd International Conference on Antioxidant and Free Radicals in Health and Disease. Vancouver, Canada, 1999.

-
6. Thomas B, Muralikrishnan D, Mohanakumar KP. Bromocriptine, a dopamine D2 receptor agonist, acts at the presynaptic somatodendritic 5-HT receptors. *Neuroscience 2000 & beyond*. pp.85, 1999.
 5. Muralikrishnan D, Ebadi M. Neuroprotective actions of SKF, A dopamine receptor agonist in 1-methyl-4-phenyl-1,2,3,6 tetrahydropyridine (MPTP)-induced Parkinsonism 29th Annual meeting Society for Neuroscience, Miami, FL, 1999.
 4. Ebadi M, Pellett L, Govitrapong P, Muralikrishnan D. Vitamin B6 and DOPA decarboxylase inhibitors in the treatment of Parkinson's disease. 10th International Symposium on Vitamin B6. Kansas City, KS, 1999.
 3. Muralikrishnan D, Thomas B, Mohanakumar KP. l & d-deprenyl scavenges MPTP-induced hydroxyl radicals and attenuates dopamine depletion in mouse striatum. *J. Neurochem.* 70 (Suppl 2), S14D, 1998.
 2. Thomas B, Sarkar S, Muralikrishnan D, Mohanakumar KP. Further evidence for serotonergic involvement in physostigmine-induced tremor. *J. Neurochem.* 70 (Suppl. 2), S31C, 1998.
 1. Muralikrishnan D, Mohanakumar KP. Free radical scavenging activity of bromocriptine in relation to MPTP neurotoxicity. 3rd SONA International Neuroscience Conference & 2nd IBRO Regional Congress. Cape Town, South Africa, 1997.

Presentation/Abstracts: Local Conferences / Meetings

320. Jacoya Cartnail-Riddick; Angeli'c Harris; Pathak Suhrud; Dhanasekaran Muralikrishnan; Investigate the effect of oxidative stress Capsaicin in high-fat dies, 2023 Diversity in Aging Research, Auburn University, July-11, 2023.
319. Angeli'c Harris; Jacoya Cartnailriddick; Suhrud, Pathak; Muralikrishnan Dhanasekaran; Can spicy food prevent cardiovascular disease? 2023 Diversity in Aging Research, Auburn University, July-11, 2023.
318. Carson Kim, Muralikrishnan Dhanasekaran, Assessing the therapeutic potential of Ayahuasca against Type 2 diabetes mellitus and Social Anxiety Disorder, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
317. Carson Walters, Suhrud Pathak, Muralikrishnan Dhanasekaran, Evaluating the pharmacological benefits of *Withania somnifera* on the emergence of insomnia in patients with diabetes mellitus, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
316. Alexis McFeely, Muralikrishnan Dhanasekaran, Assessment of Curcumin (CCM) as a Novel Therapeutic Natural Bioactive for the Treatment of Mitral Annular Calcification (MAC) for Patients with Type II Diabetes Mellitus (T2DM), Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
315. Lily Royston Keyi Liu, Suhrud Pathak, Satyanarayana Pondugula, Timothy Moore, Holly M Brown-Borg², Muralikrishnan Dhanasekaran, Elucidate the Hepatocellular Alterations in Ames Dwarf Mice Associated with the Increased Life Expectancy, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
314. Murphy Stapleton, Suhrud Pathak, Keyi Liu, Timothy Moore, Muralikrishnan Dhanasekaran, Evaluate the endocrinological effects of COVID-19 with other common viral pathologies, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
313. Graham Lynn, Suhrud Pathak, Muralikrishnan Dhanasekaran, Artificial intelligence (AI) in the Diagnosis, Prevention, and Treatment of Hyperglycemia and Diabetes Mellitus, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
312. Sean Kelly, Muralikrishnan Dhanasekaran, Assessing the therapeutic effect of N-amidinosarcosine against influenza A and Type 2 Diabetes mellitus, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
311. Basetty, Vindhya (Pharm.D. student), Liu, Keyi, Pathak, Suhrud, Deruiter, Jack, Timothy, Clark, Randal, Dhanasekaran, Muralikrishnan, New Psychoactive Substances of Abuse and their impact on Hyperglycemia, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.

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310. Bennett Lange, Suhrud Pathak, Keyi Liu, Timothy Moore, Muralikrishnan Dhanasekaran, Evaluating the clinical importance of “Magic velvet bean” in current and Future Healthcare, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 309. Farmer, Ashleigh A, Pathak, Suhrud, Moore, Timothy, Dhanasekaran, Muralikrishnan; Bisphenol-A and Bisphenol-S: Impact on Blood Glucose Tolerance, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 308. Olivia Buise, Muralikrishnan Dhanasekaran, Evaluate the role of natural immunomodulator “Sambucol” in the treatment COVID-19 patients with diabetes mellitus, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 307. Peyton Jacobs, Muralikrishnan Dhanasekaran, Assessing the effects of *Lycium barbarum* against dystrophinopathy and glucose intolerance, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 306. Camille Daugherty, Muralikrishnan Dhanasekaran, Evaluating the role of the natural immunomodulator “Sambucol” in the treatment of malarial patients with diabetes mellitus, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 305. Megan Tao, Muralikrishnan Dhanasekaran, Evaluating the role of Sanguinarine in the manifestation of acne and hyperglycemia, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 304. Anna McClellan, Muralikrishnan Dhanasekaran, Assessing the Pathophysiology and therapeutic options for Alpha-Gal Syndrome, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 303. Emma-Claire Foster, Muralikrishnan Dhanasekaran, Assessing the protective effect of *Styphnolobium japonicum* against Hypertension and hyperglycemia-induced eclamptic seizures, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 302. Jahnvi Dhingra, Suhrud Pathak, Keyi Liu, Surekha Kadannagari, Timothy Moore, Muralikrishnan Dhanasekaran, Assessing the pharmacological benefits of pterostilbene on Insulin resistance, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 301. Austin Moore, Suhrud Pathak, Tim Moore, Muralikrishnan Dhanasekaran, Assessing the clinical anomalies related to hyperglycemic and hypoarousal conditions, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.

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300. Shreya Patel, Suhrud Pathak, Tim Moore, Muralikrishnan Dhanasekaran, "The association between hyperglycemia and epilepsy and its clinical implications.", Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 299. Keyi Liu, Suhrud Pathak, Muralikrishnan Dhanasekaran, Satyanarayana Pondugula, Timothy Moore, The anti-obesity natural bioactive Calebin-A exerts neuroprotection against endogenous neurotoxin-induced neurotoxicity, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 298. Suhrud Pathak, Keyi Liu, Satyanarayana Pondugula, Timothy Moore, Muralikrishnan Dhanasekaran, Tetrahydrocurcumin: A key metabolite of curcumin exerts neuroprotection against hyperglycemia-induced neurotoxicity, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 297. Rishi Nadar, Suhrud Pathak, Keyi Liu, Muralikrishnan Dhanasekaran, Satyanarayana Pondugula, Timothy Moore, Natural bioactives of *Curcuma longa* exert neuroprotection against hyperglycemic and hypoarousal-mediated memory impairment, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 296. Rachel Parise, Sindhu Ramesh, Jun Ren, Manoj Y. Govindarajulu, Rishi M. Nadar, Suhrud Pathak, Timothy Moore, Muralikrishnan Dhanasekaran, Meta-Analysis of Omicron-induced Systemic Pathologies, Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, April-28, 2023.
 295. Brooke Dugan, Jack Deruiter, Muralikrishnan Dhanasekaran, Elucidating the novel approaches to enhance the bioavailability of curcumin to treat celiac disease patients with type 1 diabetes mellitus, Fourteenth Annual Boshell Research Day, Auburn-Opelika Marriott Resort at Grand National, AL, April-28, 2023.
 294. Shannon, Kim; Suhrud, Pathak; Kruthi, Gopal; Jack, Deruiter; Rishi, M. Nadar; Satyanarayana, Pondugula; Sindhu, Ramesh; Kamal, Dua; Harish, Dureja; Randall, Clark; Timothy, Moore; Muralikrishnan, Dhanasekaran; The toxic molecular mechanisms of natural polymer-based drug delivery systems used to treat various pulmonary disorders; Auburn Research Symposium-2023, Auburn University.
 293. Jacobs, Peyton, Muralikrishnan Dhanasekaran, Assessing *Lycium Barbarum* Polysaccharide as a Therapeutic Treatment for Duchenne Muscular Dystrophy; Auburn Research Symposium-2023, Auburn University.
 292. Olivia Buise, Muralikrishnan Dhanasekaran, Sambucol-based novel prophylactic and healing approach to prevent and treat the global pandemic associated with COVID-19; Auburn Research Symposium-2023, Auburn University.
 291. Ramapuram, Teja, Clark, Randal, Dhanasekaran, Muralikrishnan, Ramesh, Sindhu, Deruiter, Jack, Moore, Timothy, Almaghrabi, Mohammed, Smith, Forest, Alturki, Mansour, Majrashi, Mohammed, Forecasting neurotoxicity of designer drugs through computational modelling; Auburn Research Symposium-2023, Auburn University.
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290. Daugherty, Camille, Muralikrishnan Dhanasekaran; Protocetraric acid, found in common greenshield lichen, as a possible cure for malaria, Auburn Research Symposium-2023, Auburn University.
289. Keyi Liu, Surekha Kadannagari, Suhrud Pathak, Jack Deruiter, Kodye L Abbott, Julia M Salamat, Satyanarayana R Pondugula, Benson Akingbemi, Muralikrishnan Dhanasekaran, Effects of developmental exposures to bisphenol-A and bisphenol-S on hepatocellular function in male Long-Evans rats; Auburn Research Symposium-2023, Auburn University.
284. Keyi Liu, Surekha Kadannagari, Suhrud Pathak, Sindhu Ramesh, Jack Deruiter, Satyanarayana R Pondugula, Timothy Moore, Muhammed Majeed, Nagabhushanam Kalyanam, Muralikrishnan Dhanasekaran; Elucidate the neuroprotective activity of Calebin A: Natural bioactive of *Curcuma longa*; Auburn Research Symposium-2023, Auburn University.
283. Rishi, Nadar; Suhrud, Pathak; Sindhu, Ramesh; Manoj, Govindarajulu; Satyanarayana, Pondugula; Timothy, Moore; Muralikrishnan, Dhanasekaran; A meta-analysis of mycotherapy in the current and future human and animal healthcare; Auburn Research Symposium-2023, Auburn University.
282. Rishi, Nadar; Suhrud, Pathak; Sindhu, Ramesh; Manoj, Govindarajulu; Satyanarayana, Pondugula; Timothy, Moore; Muralikrishnan, Dhanasekaran; Elucidate the neuroprotective effects of *curcuma longa* against hyperglycemia combined with hypoarousal-induced clinical CNS anomalies; Auburn Research Symposium-2023, Auburn University.
281. Suhrud, Pathak; Padmamalini, Baskaran; Jayachandra, Babu Ramapuram; Muralikrishnan, Dhanasekaran; Capsaicin ameliorates high-fat diet-induced oxidative stress in NAFLD via TRPV1 ; Auburn Research Symposium-2023, Auburn University.
280. Suhrud, Pathak; Keyi, Liu; Surekha, kadannagari; Sindhu, Ramesh; Jack, Deruier; Satyanarayana, Pondugula; Timothy, Moore; Muhammed, Majeed; Nagabhushanam, Kalyanam; Muralikrishnan, Dhanasekaran; Elucidating the Neuroprotective Mechanisms of Tetrahydrocurcumin: A Key Curcumin Metabolite; Auburn Research Symposium-2023, Auburn University.
279. Bennett, Lange; Suhrud, Pathak; Muralikrishnan, Dhanasekaran; Establishing the future of artificial intelligence in the diagnosis and treatment of Dementia (Alzheimer's Disease); Auburn Research Symposium-2023, Auburn University.
278. Bennett, Lange; Suhrud, Pathak; Muralikrishnan, Dhanasekaran; Establishing the neuroprotective effects of *Rhodiola rosea* on Chronic Traumatic Encephalopathy; Auburn Research Symposium-2023, Auburn University.
277. Ashleigh, Farmer; Suhrud, Pathak; Muralikrishnan, Dhanasekaran; The Role of Artificial Intelligence (AI) in Depression; Auburn University Research Symposium-2023, Auburn University.
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276. Juliet, Cannizzo; Rachel, Parise; Suhrud, Pathak; Muralikrishnan, Dhanasekaran; Role of CCL-11 in COVID-19-mediated cognitive impairment: Possible prophylactic and therapeutic role of Bacoside-A: A clinical meta-analysis; Auburn Research Symposium-2023, Auburn University.
 275. Nick, Martin; Reeta, Vijayarani; Suhrud, Pathak; Mohammed, Almaghrabi; Manoj, Govindarajulu; Sindhu, Ramesh; Rishi M.,Nadar; Timothy, Moore; Muralikrishnan Dhanasekaran2,/ Thuja Occidentalis And Its Therapeutic And Pharmacological Applications; Auburn University Research Symposium- 2023, Auburn University.
 274. Caleb, Alford; Suhrud, Pathak; Muralikrishnan, Dhanasekaran; Jack, Deruiter; How Artificial Intelligence (A.I.) is Transforming the Prevalence of Neuroinfectious Disease; Auburn Research Symposium-2023, Auburn University.
 273. Royston, Lily; Pathak, Suhrud; Ramesh, Sindhu; Moore, Timothy; Dhanasekaran, Muralikrishnan; An Evaluation and Characterization of the Pharmacokinetics and Pharmacodynamics Related to the Consumption of Cannabis; Auburn University Research Symposium-2023, Auburn University.
 272. Lynn, Graham; Pathak, Suhrud; Dhanasekaran, Muralikrishnan; Impact of Artificial Intelligence on the Treatment of Spinal Cord Injury; Auburn University Research Symposium-2023, Auburn University.
 271. Ashleigh, Farmer; Suhrud, Pathak; Sindhu, Ramesh; Timothy, Moore; Muralikrishnan, Dhanasekaran; Examining the Current Legal Status of Cannabis in the United States of America (USA); Auburn University Research Symposium-2023, Auburn University.
 270. Ishan, Patel; Mohammed, Almaghrabi; Suhrud, Pathak; Randall. C. Clark; Dhanasekaran, Muralikrishnan; Exploring the therapeutic potential of a new psychoactive substance engineered [1-(3,4-Methylenedioxybenzyl)-Piperazine] for Parkinson's disease; AIChE Southern Regional Conference-2023, University of Florida Student Chapter, Gainesville, FL.
 269. Ishan, Patel; Suhrud, Pathak; Dhanasekaran, Muralikrishnan; Enhancing healthcare and drug development in cerebral disorders through artificial intelligence.
 268. Lacey Marshall; Suhrud Pathak; Muralikrishnan Dhanasekaran; Artificial Intelligence: The role in the Present and Future of Epilepsy Healthcare; Auburn Research symposium-2023, Auburn University.
 267. Katie, Couture; Suhrud, Pathak; Muralikrishnan, Dhanasekaran; The Role of Artificial Intelligence (AI) in the Treatment of Amyotrophic Lateral Sclerosis (ALS); Auburn Research Symposium-2023, Auburn University.
 266. Mackenzie, Williams; Suhrud, Pathak; Sindhu, Ramesh; Jack, Deruiter; Timothy, Moore; Muralikrishnan, Dhanasekaran; The therapeutic properties of Centella Asiatica on various organ systems; Auburn Research Symposium-2023, Auburn University.

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265. Carson, Walters; Suhrud, Pathak; Muralikrishnan, Dhanasekaran; Evaluating the pharmacodynamic effects of *Withania somnifera* in chronic insomnia; Auburn Research Symposium-2023, Auburn University.
 264. Krish, Patel; Suhrud, Pathak; Muralikrishnan, Dhanasekaran; Artificial Intelligence: The future of individualized and effective therapeutic or preventive approach for psychosis; Auburn Research Symposium-2023, Auburn University.
 263. Kiersten, Ward; Suhrud, Pathak; Muralikrishnan, Dhanasekaran; Role of artificial intelligence in cancer; Auburn Research Symposium-2023, Auburn University.
 262. Bernadette, Carl; Suhrud, Pathak; Muralikrishnan, Dhanasekaran; Artificial Intelligence provides promising advantages for movement disorders; Auburn Research Symposium-2023, Auburn University.
 261. Natalie Bennett; Sindhu Ramesh; Rachel Parise; Suhrud Pathak; Manoj Govindarajulup Timothy Moore; MuraliKrishnan Dhanasekaran; Evaluating the effects of SARS COV-2 "Omicron" variant on neurological functions of the central nervous system; Auburn Research Symposium-2023, Auburn University.
 260. Wilson, Parker A; Pathak, Suhrud; Ramesh, Sindhu; Moore, Timothy; Dhanasekaran, Muralikrishnan; Expansive Nutraceutical Use of Cannabis, Auburn Research Symposium-2023, Auburn University.
 259. Gopal Kruti, Muralikrishnan Dhanasekaran; The therapeutic effects of *Centella asiatica*, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 258. Ramapuram, Teja; Alturki, Mansour; Almaghrabi, Mohammed; Majrashi, Mohammed; Ramesh, Sindhu; Moore, Timothy; Forrest, Smith; Clark, Randall; Deruiter, Jack; Dhanasekaran, Muralikrishnan; Using Computational Modelling to Predict Neurotoxicity of Designer Drugs, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 257. Royston, Lillian; Pathak, Suhrud; Ramesh, Sindhu; Moore, Timothy; Dhanasekaran, Muralikrishnan; An Assessment of the Pharmacodynamics and Pharmacokinetics Related to the Consumption of Cannabis, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 256. Bennett, Natalie N; Ramesh Sindhu, Pathak, Suhrud; Govindarajulu, Manoj; Moore, Timothy; Dhanasekaran, Muralikrishnan; Evaluating the impact of SARS COV-2 "Omicron" Variant on the Central Nervous System to prevent the emergence of future disorders, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 255. Thomas, Brandon J; Harshan, Aisha; Almaghrabi, Mohammed; Ramesh, Sindhu; Pathak, Suhrud; Govindarajulu, Manoj; Moore, Timothy; Deruiter, Jack; Clark, Randall C.; Dhanasekaran, Muralikrishnan; Toxic Effects of Designer Drugs (Piperazines and their Structural Congeners) on Ovarian Cells, Harrison College of Pharmacy Research Showcase-2022, Auburn University.

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254. Blake, Bailey; Ramesh, Sindhu; Pathak, Suhrud; Parise Rachel; Govindarajulu, Manoj; Moore, Timothy; Deruiter, Jack; Dhanasekaran, Muralikrishnan; COVID-19 and How it Can Impact Autoimmune Disorders, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 253. Davis, Destin; Suhrud Pathak, Sindhu Ramesh, Timothy Moore, Muralikrishnan Dhanasekaran; Cannabis Influence on the World of Cosmetics, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 252. Wilson, Parker A; Pathak, Suhrud; Ramesh, Sindhu; Moore, Timothy; Dhanasekaran, Muralikrishnan; Cannabis as a Comprehensive Nutraceutical, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 251. Fatema, Nuri; Nadar, Rishi; Deruiter, Jack; Ramesh, Sindhu; Pathak, Suhrud; Dhanasekaran, Muralikrishnan; Moore, Timothy; Innovative Neuropharmacological Approach of using Mucuna Pruriens, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 250. Dhingra, Jahnvi; Bowen, Dylan; Ramesh, Sindhu; Deruiter, Jack; Govindarajulu, Manoj; Pathak, Suhrud; Moore, Timothy; Dhanasekaran, Muralikrishnan; Investigating Neurotransmission effect of Cannabinoids for Current and Future healthcare use, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 249. Schell, Holland E; Pathak, Suhrud; Ramesh, Sindhu; Moore, Timothy; Dhanasekaran, Muralikrishnan; Analyzing the legal status of Cannabis in the United States of America (USA): Present and Potential health and criminal significances, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 248. Lowery, Payton, L; Sundari, S. Karpagam Kumara; Alturki, Mansour; Steinke, Ian; Deruiter, Jack; Ramesh, Sindhu; Govindarajulu, Manoj; Almaghrabi, Mohammed; Shafeeq, K.A.S Mohamed; Rassa, Mohamed; Sangeetha, U.; Ramapuram, Jayachandra Babu; Buabeid, Manal; Vijayarani, Reeta; Smith, Forrest; Moore, Timothy; Dhanasekaran, Muralikrishnan; Compare various Hyperglycemic animal models of Cognitive Impairment, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 247. McCain, Phillip; Ramesh, Sindhu; Rachel Parise, Suhrud Pathak, Manoj Govindarajulu, Timothy Moore, Murali Krishnan Dhanasekaran; Ocular Disorders from COVID-19 Differ from that of Ophthalmic Manifestations Formed by Viral Infections, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 246. Bowen, Dylan; Nadar, Rishi M.; Parise, Rachel D.; Pathak, Suhrud; Ramesh, Sindhu; Govindarajulu, Manoj; Moore, Austin; Ren, Jun; Moore, Timothy; Dhanasekaran, Muralikrishnan; Mechanisms and Pathways Behind COVID-19 Induced Oxidative Stress and Possible Treatments, Harrison College of Pharmacy Research Showcase-2022, Auburn University.

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245. Liu, Keyi; Kaddanagari, Surekha; Ramesh, Sindhu; Pathak, Suhrud; Moore, Timothy; Dhanasekaran, Muralikrishnan; Rauvolfia tetraphylla L: An effective natural product with multiple therapeutic effects, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 244. Kadannagari, Surekha; Liu, Keyi; Ramesh, Sindhu; Pathak, Suhrud; Moore, Timothy; Dhanasekharan, Muralikrishnan; Acantholimon species and its pharmacological activities, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 246. Pathak, Suhrud; Almaghrabi, Mohammed; Ramesh, Sindhu; Nadar, Rishi; Moore, Timothy; Deruiter, Jack; Clark, Randall C.; Dhanasekaran, Muralikrishnan; Can a novel psychoactive substance [1-(3,4-methylenedioxybenzyl)-piperazine (MDBP)] be used as a Therapeutic drug treatment for Parkinson's disease? Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 245. Ramesh, Sindhu; Pathak, Suhrud; Bowen, Dylan; Kadanagari, Surekha; Liu, Keyi; Nadar, Rishi; Mitra, Amit; Dhanasekaran, Muralikrishnan; Moore, Timothy; Lysophosphatidic acid induces tau hyperphosphorylation through MAPK pathway, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 244. Durdanovic, Iva, Ramesh, Sindhu; Dhanasekaran, Muralikrishnan; Moore, Timothy Formulating novel research questions to investigate a mechanistic relationship between the brain glymphatic system and Alzheimer's Disease, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 243. Hooper, Anne Thomas; Ramesh, Sindhu; Pathak, Suhrud; Govindarajulu, Manjov; Moore, Timothy; Dhanasekaran, Muralikrishnan; Is "Mitotherapy" the Future Innovative Therapeutic Approach to Reduce Neurodegeneration, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 242. Lawson, Joseph E; Harrell, Erin L; Deruiter, Jack; Pathak, Suhrud; Dhanasekaran, Muralikrishnan; The Importance of Novel Drug Delivery Systems for Treatment of Niemann-Pick Disease, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 241. Parise, Rachel S, Li, Yiran E; Nadar, Rishi M; Ramesh, Sindhu; Ren, Jun; Govindarajulu, Manoj; Moore, Timothy; Dhanasekaran, Muralikrishnan, Health Influence of SARS-CoV-2 (COVID-19) on Cancer, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 239. Vindhya Basetty, Sindhu Ramesh, Chandan Basetty, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, SARS-COVID-19 and Omicron on the cardiovascular system, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 238. Jackson, Caroline, Ramesh, Sindhu; Parise, Rachel, Moore, Timothy; Dhanasekaran, Muralikrishnan, Impact of COVID-19 on the gastrointestinal tract, Harrison College of Pharmacy Research Showcase-2022, Auburn University.

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237. Nadar, Rishi, Desai, Darshini, Majrashi, Mohammed, Ramesh, Sindhu; Dhanasekaran, Muralikrishnan, Moore, Timothy, Investigate the effect of anthracycline and nitrogen mustard chemotherapeutics on dopaminergic neuronal viability, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 236. Moore, Austin, Sindhu Ramesh, Suhrud Pathak, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, Compare the effects of COVID-19 on hormonal changes and relate the effects with other prevalent viral infections, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 235. Patel, Shivani, Ramesh, Sindhu; Govindarajulu, Manoj; Tony, Thomas; Moore, Timothy; Dhanasekaran, Muralikrishnan, Reproductive Dysfunctions associated with COVID-19 infection: A comparative analysis with other Viral infection, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 234. Ferguson, Walton, Ramesh, Sindhu; Moore, Timothy; Dhanasekaran, Muralikrishnan, Probing the prophylactic neuroprotective impact of *Crataegus monogyna*, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 233. Katrina Schoenrock, Ian Steinke, Forrest Smith, Sindhu Ramesh, Timothy Moore, Muralikrishnan Dhanasekaran, Establish the anti-insomniac action of *Matricaria chamomilla*: An In-silico study and Meta-Analysis to validate the therapeutic action, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 232. Murdock, Amanda, L, Ramesh, Sindhu; Moore, Timothy; Dhanasekaran, Muralikrishnan, "*Harpagophytum procumbens*": A prospective natural treatment against neurodegeneration for the future healthcare, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 231. Grigsby, Olivia, Ramesh, Sindhu; Moore, Timothy; Dhanasekaran, Muralikrishnan, A systematic evaluation of feline translational disease models, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 230. Maria Di Egidio, Sindhu Ramesh, Timothy Moore, Muralikrishnan Dhanasekaran, Elucidate the role of cannabinoids on cattle infected with Bovine Spongiform Encephalopathy displaying aggression, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 229. Almy, Meredith M, Katrina Schoenrock, Ian Steinke, Forrest Smith, Ramesh, Sindhu; Moore, Timothy; Dhanasekaran, Muralikrishnan, "Rosmarinic Acid": A prospective anti-inflammatory natural product for current and future global healthcare, Harrison College of Pharmacy Research Showcase-2022, Auburn University.
 228. Davis, Ian, Ian Steinke, Forrest Smith, Sindhu Ramesh, Timothy Moore, Muralikrishnan Dhanasekaran, Determining the Anti-psychotic mechanism of *Bacopa monnieri* (Brahmi) in Humans: An In-silico study and Meta-Analysis to validate the therapeutic action, Harrison College of Pharmacy Research Showcase-2022, Auburn University.

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237. Poudel I*, Annaji M, Wibowo FS, Arnold RD, Fasina O, Via B, Rangari V, Ramani VM, Gottumukkala S, Smith F, Dhanasekaran M, Babu RJ. Hispolon cyclodextrin complexes and cyclodextrins-in-liposomes for enhanced in-vitro anticancer activity against melanoma. Auburn Research Symposium, Auburn University, AL, 2022.
 236. Ramesh, Sindhu, Suhrud Pathak, Dylan Bowen, Rishi Nadar, Surekha Kadannagari, Keyi Liu, Muralikrishnan Dhanasekaran, and Timothy Moore. Investigating the mechanism of Lysophosphatidic inducing tau hyperphosphorylation, Auburn Research Symposium, Auburn University, AL, 2022.
 235. Hopper, Anne Thomas, Sindhu Ramesh, Suhrud Pathak, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, Is "Mitotherapy" the Future Innovative Therapeutic Approach to Reduce Neurodegeneration? Auburn Research Symposium, Auburn University, AL, 2022.
 234. Vindhya Bassety^{1*} Suhrud Pathak¹, Jack Deruiter¹, Muralikrishnan Dhanasekaran¹, Applications of novel drug delivery system for Porphyria Medications: An innovative and targeted approach to improve therapeutic efficacy, reduce adverse effects and the cost. Auburn Research Symposium, Auburn University, AL, 2022.
 233. Surekha Kadannagari*, Keyi Liu, Sindhu Ramesh, Timothy Moore, Muralikrishnan Dhanasekaran, The Exploitation of various parts of Canavalia species in different countries and its effects on Various organ systems. Auburn Research Symposium, Auburn University, AL, 2022.
 232. Keyi Liu*, Surekha Kadannagari, Sindhu Ramesh, Suhrud Pathak, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, Identifying the therapeutic potential and toxic effects of Abrus precatorius. Auburn Research Symposium, Auburn University, AL, 2022.
 231. Bowen, Dylan R, Kadannagari, Surekha; Pathak, Suhrud; Ramesh, Sindhu; Govindarajulu, Manoj; Deruiter, Jack; Clark, Randall; Moore, Timothy; Dhanasekaran, Muralikrishnan, New Psychoactive Substances: A Threat to the current and future Society. Auburn Research Symposium, Auburn University, AL, 2022.
 230. Iva Durdanovic, Ramesh, Muralikrishnan Dhanasekaran, Timothy M. Moore, Formulating novel research questions to investigate a mechanistic relationship between the brain glymphatic system and Alzheimer's Disease. Auburn Research Symposium, Auburn University, AL, 2022.
 229. Murdock, Amanda, Sindhu Ramesh, Suhrud Pathak, Timothy Moore, Muralikrishnan Dhanasekaran, "Devil's claw": A prospective anti-inflammatory natural produce for the future healthcare. Auburn Research Symposium, Auburn University, AL, 2022.
 228. Austin Moore¹, Rachel Parise¹, Sindhu Ramesh¹, Suhrud Pathak¹, Manoj Govindarajulu¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Potential for the use of "Antioxidant" therapies in mitigating SARS-CoV-2 (COVID-19)-induced neuroinflammation. Auburn Research Symposium, Auburn University, AL, 2022.

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227. Caleigh Wallace¹, Rachel Parise¹, Sindhu Ramesh¹, Suhrud Pathak¹, Jun Ren², Manoj Govindarajulu¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Assessing the Adverse Effects of the COVID-19 Vaccine in Various Organ Systems and the Paranasal Sinuses. Auburn Research Symposium, Auburn University, AL, 2022.
 226. Suhrud Pathak a*, Manuj Ahujaa,, Sindhu Ramesha, Manoj Govindarajulua, Vishnu Suppiramaniama, Timothy Moorea, Muralikrishnan Dhanasekarana, Validating the Anti-dementia effect of Centella asiatica. Auburn Research Symposium, Auburn University, AL, 2022.
 225. Holland Schell1*, Suhrud Pathak1, Sindhu Ramesh1, Timothy Moore1, Muralikrishnan Dhanasekaran1, Legal standing of Cannabis in the United States of America (USA): Current and Future health and criminal consequences. Auburn Research Symposium, Auburn University, AL, 2022.
 234. Lillian Royston1*, Suhrud Pathak1, Sindhu Ramesh1, Timothy Moore1, Muralikrishnan Dhanasekaran1, Evaluation of the Concerned Issue Regarding the Consumption of Cannabis/Marijuana. Auburn Research Symposium, Auburn University, AL, 2022.
 223. Suhrud Pathaka, Mohammed Almaghrabia, b, Sindhu Ramesha, Rishi Nadara, Timothy Moorea, Jack Deruitera, C. Randall Clarka, Muralikrishnan Dhanasekaran, A novel and new psychoactive substance [1-(3,4-methylenedioxybenzyl)-piperazine (MDBP)], lacks dopaminergic neurotoxicity: Potential Therapeutic application for Parkinson's disease and Depression. Auburn Research Symposium, Auburn University, AL, 2022.
 222. Joseph Lawson, Erin Harrell, Jack Deruiter, Suhrud Pathak, Sindhu Ramesh, Timothy Moore, Muralikrishnan Dhanasekaran, Clinical relevance of Novel Drug Delivery Systems to Treat Niemann-Pick Disease. Auburn Research Symposium, Auburn University, AL, 2022.
 221. Summer Duley, Jack DeRuiter, Suhrud Pathak, Sindhu Ramesh, Timothy Moore, Muralikrishnan Dhanasekaran, "Arogyapacha"-An anti-fatigue natural product: Investigating the beneficial effects and elucidating the mechanism of action. Auburn Research Symposium, Auburn University, AL, 2022.
 220. Natalie Bennett¹, Sindhu Ramesh¹, Rachel Parise¹, Suhrud Pathak¹, Manoj Govindarajulu¹, Timothy Moore¹, MuraliKrishnan Dhanasekaran¹, Assessing the impact of SARS COV-2 "Omicron" Variant on the Central Nervous System to prevent Memory, Mental and Movement Disorders in the Future. Auburn Research Symposium, Auburn University, AL, 2022.
 220. Rishi M. Nadar¹, Sindhu Ramesh¹, Reeta Vijayarani², Jack Deruiter¹, Suhrud Pathak¹, Manoj Govindarajulu¹, Zakir Godil³, Jayachandra Babu Ramapuram¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, A Re-Evaluation of Past to Present-Day Use Of "Cannabis". Auburn Research Symposium, Auburn University, AL, 2022.

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218. Rachel Parise¹, Yiran E. Li², Rishi M. Nadar¹, Sindhu Ramesh¹, Jun Ren³, Manoj Govindarajulu¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Influence of SARS-CoV-2 (COVID-19) on Cancer. Auburn Research Symposium, Auburn University, AL, 2022.
 217. Ramapuram, HariTeja¹, Suhrud Pathak¹, Sarah Moss¹, Sindhu Ramesh¹, Manoj Govindarajulu¹, Timothy Moore¹, R Jayachandra Babu, Muralikrishnan Dhanasekaran¹, Perspective Look into the Traditional, Cultural, and Nutraceutical Aspects of “Vijaya (Cannabis)” in the Indian Subcontinent. Auburn Research Symposium, Auburn University, AL, 2022.
 216. Rachel Lusk¹, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Evaluating the Beneficial Potential of American Skullcap in Global Healthcare. Auburn Research Symposium, Auburn University, AL, 2022.
 215. Nadar, Rishi¹, Dylan Bowen¹, Sindhu Ramesh¹, Rachel Parise¹, Suhrud Pathak¹, Manoj Govindarajulu¹, Muralikrishnan Dhanasekaran¹, Timothy Moore¹, Evaluate the pro-oxidant/antioxidant effect of COVID-19 therapeutics in the Central Nervous System. Auburn Research Symposium, Auburn University, AL, 2022.
 214. McCain, Philip, Sindhu Ramesh¹, Rachel Parise¹, Suhrud Pathak¹, Manoj Govindarajulu¹, Timothy Moore¹, Murali Krishnan Dhanasekaran¹, Ophthalmic Manifestations from COVID-19 Differ from that of Disorders Formed by Viral Infections. Auburn Research Symposium, Auburn University, AL, 2022.
 213. Nuri Fatema¹, Rishi Nadar¹, Suhrud Pathak¹, Sindhu Ramesh¹, Jack Deruiter¹, Muralikrishnan Dhanasekaran¹, Timothy Moore¹, “Magic velvet bean” Exerts Neuroprotection. Auburn Research Symposium, Auburn University, AL, 2022.
 212. Jahnvi Dhingra, Dylan Bowen¹, Sindhu Ramesh¹, Jack Deruiter¹, Manoj Govindarajulu¹, Suhrud Pathak¹, Timothy Moore¹, Murali Krishnan Dhanasekaran¹, Novel and Innovative Neuropharmacological approaches to regulate Cannabinoid Neurotransmission. Auburn Research Symposium, Auburn University, AL, 2022.
 211. Parker Wilson¹, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Comprehensive Nutraceutical Value of Cannabis. Auburn Research Symposium, Auburn University, AL, 2022.
 210. Destin Davis, Rishi Nadar, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran, Cosmetic Value of “Cannabis Products”. Auburn Research Symposium, Auburn University, AL, 2022.
 209. Blake, Bailey, Ramesh, Sindhu; Pathak, Suhrud; Parise Rachel; Govindarajulu, Manoj; Moore, Timothy; Deruiter, Jack; Dhanasekaran, Muralikrishnan, COVID-19-induced “Auto-antibody” and its impact on Autoimmune Disorders. Auburn Research Symposium, Auburn University, AL, 2022.

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208. Thomas, Brandon, Harshan, Aisha; Almaghrabi, Mohammed; Ramesh, Sindhu; Pathak, Suhrud; Govindarajulu, Manoj; Moore, Timothy; Deruiter, Jack; Clark, Randall C.; Dhanasekaran, Muralikrishnan New Psychoactive Substances / Designer Drugs (Piperazines and their structural congeners) induce toxic effects on cells of female gonads. Auburn Research Symposium, Auburn University, AL, 2022.
208. Sindhu Ramesh, Suhrud Pathak, Rishi Nadar, Muralikrishnan Dhanasekaran, and Timothy Moore. LYSOPHOSPHATIDIC ACID (LPA)-INDUCES TAU HYPERPHOSPHORYLATION THROUGH P38 MAPK, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
207. Rachel Parise¹, R. Jayachandra Babu¹, Jack Deruiter¹, Kamal Dua^{2,3}, Muralikrishnan Dhanasekaran¹, 3D PRINTING DRUG DELIVERY TECHNOLOGY FOR ATHEROSCLEROSIS, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
206. Suhrud Pathak¹, Sindhu Ramesh¹, Jack Deruiter¹, Muralikrishnan Dhanasekaran¹, Manoj Govindarajulu¹, Timothy Moore¹, THUJA OCCIDENTALIS IN A NOVEL PHYTOSOMAL FORMULATION WITH IMPROVED STABILITY AND PHARMACOKINETIC PROFILE, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
205. Bowen, Dylan; Ramesh, Sindhu; Govindarajulu, Manoj; Moore, Timothy; Dhanasekaran, Muralikrishnan, CANNABIS AS A POTENTIAL TARGET FOR THE TREATMENT OF DIABETES MELLITUS, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
204. Payton Lowery^{1*}, Jack Deruiter¹, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, INVESTIGATING THE POTENTIAL THERAPEUTIC EFFICACY OF OROXYLUM INDICUM, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
203. Joseph Lawson, Erin Harrell, Jack Deruiter, Suhrud Pathak, Sindhu Ramesh, Timothy Moore, Muralikrishnan Dhanasekaran, AN IMMINENT NEED OF NOVEL TREATMENTS AND DRUG DELIVERY SYSTEMS FOR NIEMANN-PICK DISORDERS, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
202. Kruthi Gopal^{1*}, Jack Deruiter¹, Sindhu Ramesh¹, Suhrud Pathak¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, CENTELLA ASIATICA: VARIOUS USES, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.

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201. Julia M Salamat¹, Kodye L Abbott¹, Patrick C Flannery¹, Mohammed Majrashi², Mohammed Almaghrabi², Manoj Govindarajulu², Sindhu Ramesh², Suneel K Onteru³, Chen-Che Huang¹, Kristina Gill¹, Natasha Narayanan¹, Darshini Desai², Rishi Nadar¹, Edwin McElroy¹, Timothy Moore², Kalyanam Nagabhushanam⁴, Muhammed Majeed⁴, Muralikrishnan Dhanasekaran², Satyanarayana R Pondugula¹, OROXYLUM INDICUM EXTRACT, AT A PHYSIOLOGICALLY RELEVANT DOSAGE, DOES NOT INDUCE HEPATOTOXICITY IN C57BL/6J MICE, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
 200. Keyi Liu, Surekha Kaddanagari, Sindhu Ramesh, Timothy Moore, Muralikrishnan Dhanasekaran, Investigating the pharmacological potential of Abrus precatorius (Fabaceae) , Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
 199. Surekha kadannagari¹, Keyi Liu¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, THE Under-Utilized LEGUME “CANAVALLIA SPECIES”: AN OVERVIEW ON BIOACTIVE POTENTIAL AND ITS EFFECT ON VARIOUS ORGAN SYSTEMS, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
 198. Austin Moore, Ramesh, Sindhu¹; Govindarajulu, Manoj¹; Tony, Thomas¹; Moore, Timothy¹; Dhanasekaran, Muralikrishnan¹, COVID-19 INDUCED CENTRAL NERVOUS SYSTEM DISORDERS DIFFER FROM OTHER COMMON VIRAL ASSOCIATED CENTRAL NERVOUS SYSTEM DISORDERS, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
 197. Holland Schell^{1*}, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹ AN EVALUATION OF THE LEGALITY OF CANNABIS WITHIN THE UNITED STATES OF AMERICA (USA), Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
 196. Vindhya Basetty, PharmD Student; (2) Jack Deruiter, PhD; (3) Suhrud Pathak, HORP Student; (4) Kamal Dua, PhD; (5) Muralikrishnan Dhanasekaran, ADVANCED DRUG DELIVERY SYSTEMS TARGETING TO IMPROVE THERAPEUTIC OUTCOMES IN PORPHYRIA, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
 195. Rishi M. Nadar¹, Rachel Parise¹, Sindhu Ramesh¹, Jack Deruiter¹, Muralikrishnan Dhanasekaran¹, Manoj Govindarajulu¹, Timothy Moore¹. IMPACT OF COVID-19 THERAPY ON HYPERGLYCEMIC PATIENTS: A SYSTEMATIC CLINICAL REVIEW FOR EFFECTIVE GLOBAL HEALTHCARE, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.

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194. Phillip McCain, Sindhu Ramesh, Timothy Moore, Muralikrishnan Dhanasekaran, COVID-19 INDUCED OPHTHALMIC DISORDERS CONTRAST FROM THAT IN OTHER VIRAL INFECTIONS, Edward Via College of Osteopathic Medicine (VCOM) – Auburn Campus, fifth Annual Via Research Recognition Day on Friday, February 18, 2022.
 193. Ward KC, Harshan A, Ramesh S, Govindarajulu M, Almaghrabi M, Majrashi M, Abbott KL, Salamat JM, Nadar R, Alturki M, Smith F, Iwaki Y, Majeed M, Nagabhushanam K, Moore T, Ren J, Dhanasekaran M, Pondugula SR. Cardioprotective effects of *Oroxylum indicum* extract against chemotherapeutics-induced cardiotoxicity. Auburn University Research Symposium, Auburn, AL , March 29 - April 2, 2021.
 192. Anne Thomas Hooper^{1*}, Sindhu Ramesh¹, Manoj Govindarajulu¹, Suhrud Pathak¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹. Can Mitotherapy be a novel therapeutic approach to treat neurodegenerative disorders? College of Science and Mathematics, (COSAM), Auburn University, Research Fair, 2021
 191. Lily Royston^{1*}, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Scope of the Concerned Issue to Evade the Consumption of Cannabis/Marijuana Muralikrishnan Dhanasekaran¹. College of Science and Mathematics, (COSAM), Auburn University, Research Fair, 2021
 190. Holland Schell^{1*}, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹. Analyzing the legal status of Cannabis in the United States of America (USA) College of Science and Mathematics, (COSAM), Auburn University, Research Fair, 2021
 189. Bailey Blake^{1*}, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹. Past to Present-Day Use Of the omnipotent botanical "Cannabis" College of Science and Mathematics, (COSAM), Auburn University, Research Fair, 2021
 188. Destin Davis^{1*}, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹. Can Cannabis drastically impact the Cosmetic world? College of Science and Mathematics, (COSAM), Auburn University, Research Fair, 2021
 187. Parker Wilson^{1*}, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Establishing the global Nutraceutical value of Cannabis. College of Science and Mathematics, (COSAM), Auburn University, Research Fair, 2021.
 186. Rachel Lusk^{1*}, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹. *Scutellaria lateriflora* (American Skullcap) promises to have beneficial therapeutic effects against neurodegenerative and other age-related diseases. College of Science and Mathematics, (COSAM), Auburn University, Research Fair, 2021.
 185. Kruti Gopal^{1*}, Jack Deruiter¹, Sindhu Ramesh¹, Suhrud Pathak¹, Muralikrishnan Dhanasekaran¹, Timothy Moore¹. *Centella asiatica*: Various Uses. College of Science and Mathematics, (COSAM), Auburn University, Research Fair, 2021.

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184. Rishi Nadar^{1*}, Jack Deruiter¹, Sindhu Ramesh¹, Suhrud Pathak¹, Muralikrishnan Dhanasekaran¹, Timothy Moore¹. *Mucuna pruriens*: Repurposing/Repositioning Magic velvet Bean for the Current and Future HealthCare. College of Science and Mathematics, (COSAM), Auburn University, Research Fair, 2021.
 183. Payton Lowery^{1*}, Jack Deruiter¹, Suhrud Pathak¹, Sindhu Ramesh¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹. Investigating the potential therapeutic efficacy of *Oroxylum indicum*. College of Science and Mathematics, (COSAM), Auburn University, Research Fair, 2021.
 182. Jahnvi Dhingra Dylan Bowen¹, Sindhu Ramesh¹, Jack Deruiter¹, Manoj Govindarajulu¹, Payton Lowery¹, Timothy Moore¹, Dinesh Agrawal², Murali Krishnan Dhanasekaran¹. Neuropharmacological Approaches to Modulate Cannabinoid Neurotransmission. College of Science and Mathematics, (COSAM), Auburn University, Research Fair, 2021.
 181. Surekha Kadannagari, Manjusha Annaji, Suhrud Pathak, Sindhu Ramesh, Manoj Govindarajulu, R. Jayachandra Babu, Timothy Moore, and Muralikrishnan Dhanasekaran. New and Novel "Levodopa" Formulations to Treat Parkinsonism. Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.
 180. Sindhu Ramesh, Suhrud Pathak, Dylan Bowen, Rishi Nadar, Muralikrishnan Dhanasekaran, Timothy Moore, Lysophosphatidic acid (LPA)-induces tau hyperphosphorylation through p38 MAPK pathway, Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.
 179. Jackson, Caroline A, Sindhu Ramesh, Suhrud Pathak, Manoj Govindarajulu, Tony Thomas, Timothy Moore, Muralikrishnan Dhanasekaran, Gastrointestinal Pathologies and Obesity Associated with COVID-19, Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.
 178. Austin, Moore, Sindhu Ramesh, Suhrud Pathak, Manoj Govindarajulu, Tony Thomas, Timothy Moore, Muralikrishnan Dhanasekaran, Assess the endocrinological effects of COVID-19 and relate with other prevalent viral infections, Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.
 177. Mansour Alturki, S. Karpagam Kumara Sundari, Jack Deruiter, Sindhu Ramesh, Manoj Govindarajulu, Mohammed Almaghrabi, K.A.S. Mohamed Shafeeq, A. Mohamed Rassa, U. Sangeetha, Jayachandra Babu Ramapuram, Manal Buabeid, Reeta Vijayarani, Forrest Smith, Timothy Moore, Muralikrishnan Dhanasekaran, Compare the in-silico properties and in vivo hyperglycemic effects of Alloxan and Streptozotocin, Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.
 176. Parise, Rachel, Ramesh, Sindhu; Govindarajulu, Manoj; Moore, Timothy; Dhanasekaran, Muralikrishnan, Impact of drugs and biologicals used in COVID-19 treatment on hyperglycemia, Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.

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175. Pathak, Suhrud, S. Karpagam Kumara Sundari, Mansour Alturki, Jack Deruiter, Sindhu Ramesh, Manoj Govindarajulu, Mohammed Almaghrabi, K.A.S. Mohamed Shafeeq, A. Mohamed Rassa, U. Sangeetha, Jayachandra Babu Ramapuram, Manal Buabeid, Reeta Vijayarani, Forrest Smith, Timothy Moore, Muralikrishnan Dhanasekaran, Does a hyperglycemic metabolic state combined with a hypoarousal condition increase the risk of learning disability and cognitive deficiency? Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.
 174. Basetty, Vindhya; Deruiter, Jack, Ramesh, Sindhu; Govindarajulu, Manoj, Moore, Timothy, Clark, Randal, Dhanasekaran, Muralikrishnan. Impact of Designer Drugs on Diabetes Mellitus, Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.
 173. Poudel, Ishwor; Alsaqr, Ahmed; Annaji, Manjusha; Ramesh, Sindhu; Dhanasekaran, Muralikrishnan; Babu, Jayachandra R, Investigation of different liposomal based formulations of hispolon against Type 2 Diabetes Mellitus, Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.
 172. Nadar, Rishi; Poudel, Ramesh, Sindhu; Manoj Govindarajulu; Dhanasekaran, Muralikrishnan, Moore, Timothy, B Phospholipid, "Lysophosphatidic Acid" can increase the risk of neurodegeneration leading to irreversible neurotoxicity, Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.
 171. Annaji, Manjusha; Poudel, Ishwor; Ramesh, Sindhu; Dhanasekaran, Muralikrishnan; Babu, R. Jayachandra, Fabrication of personalized multi-drug dosage forms via extrusion-based 3D printing for improving compliance in diabetic mellitus patients, Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.
 170. Bowen, Dylan; Ramesh, Sindhu; Govindarajulu, Manoj, Moore, Timothy, Dhanasekaran, Muralikrishnan. Can the use of "wonder drug-Cannabis" aid patients in combating the complications associated with Diabetes mellitus? Cannabis future of "healthcare", Boshell Research Day, Marriott Resort Auburn-Opelika Grand National, AL, September 2021.
 169. Suhrud Pathak⁴, K. Reeta Vijaya Rani¹, Surekha Kaddanagari⁴, Sindhu Ramesh⁴, Manoj Govindarajulu⁴, Kiruba Mohandoss², Mohammed Almaghrabi⁴, N Kirubakaran³, R Jayachandra Babu⁴, Timothy Moore⁴, Muralikrishnan Dhanasekaran⁴, Novel phytosomal formulation of Thuja occidentalis with improved stability and enhanced pharmacokinetic profile, Auburn University Research Symposium, 2021.
 168. Ramapuram, H*; Bhattacharya D; Bloemer J; Ramesh S; Govindarajulu M; Bhattacharya S; Buabeid M; Escobar M; Moore T; Suppiramaniam V; Dhanasekaran M. Restoration of cognitive and synaptic deficits of integrin-linked kinase (ILK) signaling by neurotrophin receptor tyrosine kinase (TrkB) agonist in Fetal Alcohol Spectrum Disorder (FASD) rats, Auburn University Research Symposium, 2021.

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167. Mary Fabbrini, Aisha A. Harshan, Sindhu Ramesh, Manoj Govindarajulu, Mingliu Zhao, Mohammed Almaghrabi, Timothy Moore, Jack Deruiter, C. Randall Clark, Muralikrishnan Dhanasekaran, Investigate the ovarian toxicity of the new global substance of abuse (Piperazine Designer Drugs & its structural congeners), Auburn University Research Symposium, 2021.
 166. Anna Solomonik, Darshini Desai, Mohammed Almaghrabi, Mohammed Majrashi, Sindhu Ramesh, Manoj Govindarajulu, Timothy Moore, Muralikrishnan Dhanasekaran, Can Anthracycline and Nitrogen Mustard Alkylating Chemotherapeutics Increase the Risk of Dopaminergic Neurotoxicity? Auburn University Research Symposium, 2021.
 165. Surekha Kadannagari¹, Manjusha Annaji¹, Sindhu Ramesh⁴, Manoj Govindarajulu⁴, R Jayachandra Babu⁴, Timothy Moore⁴, Muralikrishnan Dhanasekaran⁴, An Imminent Need of a Novel Dosage form for "Levodopa"- The Gold Standard for the treatment of Movement Disorders, Auburn University Research Symposium, 2021.
 164. McKerley, Grace. Lohani, Madhukar¹; Rajpoot, Mrigendra⁵; Almaghrabi, Mohammed³; Ramesh, Sindhu³; Govindarajulu, Manoj³; Majrashi, Mohammed³; Fahory, Eddie³; Moore, Timothy³; Shannon, Dennis⁴; Van Ginkel, Frederik W.²; Schwartz, Dean¹; Kemppainen, Barbara W¹; and Dhanasekaran, Muralikrishnan³., Validating the potent therapeutic properties of American Skullcap (*Scutellaria lateriflora*), Auburn University Research Symposium, 2021.
 163. Trish A¹, Almaghrabi M², Dhanasekaran M², Buabeid M², Suppiramaniam V²., Prenatal nicotine exposure and mechanism of memory deficits in offspring, Auburn University Research Symposium, 2021.
 162. Rishi Nadar, Ramesh, Sindhu; Manoj Govindarajulu; Dhanasekaran, Muralikrishnan, Moore, Timothy, Lysophosphatidic acid (LPA) induces apoptosis and mitochondrial dysfunction in an in vitro model of Alzheimer's disease (AD), Auburn University Research Symposium, 2021.
 161. Mansour Alturki³, S. Karpagam Kumara Sundari¹, Sindhu Ramesh³, Manoj Govindarajulu³, Mohammed Almaghrabi³, K.A.S. Mohamed Shafeeq¹, A. Mohamed Rassa¹, U. Sangeetha¹, Reeta Vijayarani², Forrest Smith³, Timothy Moore³, Muralikrishnan Dhanasekaran³, Hyperglycemic and Hypoarousal Pathologies Associated Cognitive Impairment: An in-silico and in vivo validation, Auburn University Research Symposium, 2021.
 160. Kelli McDonald, Mohammed Majrashi^{1,2}, Mansour Altukri^{1,3}, Sindhu Ramesh¹⁺, Manoj Govindarajulu¹, Jack Schwartz¹, Mohammed Almaghrabi¹, Forrest Smith¹, Tony Thomas¹, Vishnu Suppiramaniam¹, Timothy Moore¹, Miranda Reed¹, Muralikrishnan Dhanasekaran¹, Neuroprotective Signaling Metabolite - "β-Hydroxybutyrate" reduces oxidative stress and augments mitochondrial functions in hippocampal neurons, Auburn University Research Symposium, 2021.

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159. Almaghrabi, Mohammed a, Mohammed Majrashi a, c, Ahmad Almalki a, Mansour Alturki a, Darshini Desai a, Jack Deruiter a, C. Randall Clark a, Muralikrishnan Dhanasekaran a, Novel Trifluoromethylbenzylphenyl-piperazine derivatives induce lower dopaminergic neurotoxicity as compared to the designer drug-Trifluoromethylphenyl-piperazine derivatives, Auburn University Research Symposium, 2021.
 158. Ramesh S, Dhanasekaran, M, Moore, T, Lysophosphatidic acid induces Tau hyperphosphorylation through inhibition of P38 MAPK pathway (2021). AU research symposium, Auburn University.
 157. Omer, Saba, Pondugula, Satyanarayana; Dhanasekaran, Muralikrishnan; Matz, Brad Boothe, Dawn; Mansour, Mohammed., In vitro chemotherapeutic effects of cannabinoids in combination with components of CHOP regimen against non-Hodgkin lymphoma, Auburn University Research Symposium, 2021.
 156. Kawsar Ullah Chowdhury, Ahmad H. Alhowail¹, Priyanka D. Pinky², Matthew Eggert², Jenna Bloemer^{2,5}, Lauren N. Woodie^{3,4}, Manal A. Buabeid⁶, Subhrajit Bhattacharya^{2,7}, Shanese L. Jasper², Dwipayana Bhattacharya⁸, Muralikrishnan Dhanasekaran^{2,7}, Martha Escobar⁹, Robert D. Arnold^{2,7#}, Vishnu Suppiramaniam^{2,7#}, Doxorubicin mediated dysregulation of AMPARs impairs hippocampal neurotransmission resulting in memory deficits, Auburn University Research Symposium, 2021.
 155. Smith, Warren, Priyanka D. Pinky, Jenna Bloemer, Yifeng Du, Ryan T Heslin, Sharay E Setti, Hao Hong, Alexander Dityatev, Muralikrishnan Dhanasekaran Subhrajit Bhattacharya, Miranda N Reed, Vishnu Suppiramaniam, Prenatal cannabinoid exposure results in synaptic plasticity and memory deficits in adolescent offspring due to reduced PSA-NCAM expression and altered glutamate receptor mediated signaling, Auburn University Research Symposium, 2021.
 154. Ledbetter, Elizabeth, L, Almaghrabi, Mohammed; Majrashi, Mohammed; Abbott, Kodye L.; Salamat, Julia M.; Govindarajulu, Manoj; Ramesh, Sindhu; Alghenaim, Fada; Nadar, Rishi; Thomas Tony; Muhammed, Majeed; Nagabhushanam, Kalyanam; Moore, Timothy; Dhanasekaran, Muralikrishnan; Pondugula, Satyanarayana R. Antiepileptic effects of Oroxylum indicum extract in a valid (kainic acid-administered) rodent model of epilepsy, Auburn University Research Symposium, 2021.
 153. Julia, Salamat, Majrashi, Mohammed; Almaghrabi, Mohammed; Ramesh, Sindhu; Abbott, Kodye L.; Govindarajulu, Manoj; Gill, Kristina S.; Fahoury, Eddie; Narayanan, Natasha; Desai, Darshini; Nadar, Rishi; McElroy, Trey; Iwaki, Yoshimi; Moore, Timothy; Majeed, Mohammed; Nagabhushanam, Kalyanam; Dhanasekaran, Muralikrishnan; Pondugula, Satyanarayana R. Oroxylum indicum ameliorates Chemotherapy Induced Cognitive Impairment, Auburn University Research Symposium, 2021.
 152. Annaji, Manjusha, Poudel, Ishwor; Ramesh, Sindhu; Dhanasekaran, Muralikrishnan; Babu, R. Jayachandra*, Application of Extrusion-based 3D Printed Dosage Forms for the Prophylaxis And Treatment of COVID-19, Auburn University Research Symposium, 2021.
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151. Ward, Kaylie, Harshan, Aisha; Ramesh, Sindhu; Govindarajulu, Manoj; Almaghrabi, Mohammed; Majrashi, Mohammed; Abbott, Kodye L.; Salamat, Julia M.; Nadar, Rishi; Alturki, Mansour; Smith, Forrest; Iwaki Yoshimi; Muhammed, Majeed; Nagabhushanam, Kalyanam; Moore, Timothy; Ren, Jun; Dhanasekaran, Muralikrishnan; Pondugula, Satyanarayana R. Cardioprotective effects of Oroxylum indicum extract against chemotherapeutics-induced cardiotoxicity, Auburn University Research Symposium, 2021, Auburn University Research Symposium, 2021.
 150. Iwaki, Yoshimi, Salamat Julia.; Abbott, Kodye L.; Flannery Patrick C.; Majrashi, Mohammed; Almaghrabi, Mohammed; Govindarajulu, Manoj; Ramesh, Sindhu; Sandey, Maninder; Onteru, Suneel K.; Huang, Chen-Che J.; Gill, Kristina; Narayanan, Natasha; McElroy, Edwin; Desai, Darshini; Nadar, Rishi; Moore, Timothy; Dhanasekaran, Muralikrishnan; Pondugula, Satyanarayana R. A clinically relevant combination treatment of doxorubicin and cyclophosphamide does not lead to hepatotoxicity in C57BL/6J mice, Auburn University Research Symposium, 2021, Auburn University Research Symposium, 2021.
 149. Bowen, Dylan, Kadannagari, Surekha; Ramesh, Sindhu; Govindarajulu, Manoj; Deruiter, Jack; Clark, Randall; Moore, Timothy; Dhanasekaran, Muralikrishnan, "Ice cream trucks" to "Cannabis trucks": The Impact of Cannabis on Current & Future Generations, Auburn University Research Symposium, 2021.
 148. Tessa, Dimmick, Annaji, Manjusha; Poudel, Ishwor; Dhanasekaran, Muralikrishnan; Babu, R. Jayachandra*, 3-Dimensional Printing (3DP) for the Preparation of Polymeric Microneedle Platforms. Auburn University Research Symposium, 2021.
 147. Wilson, Anna, P. Watanabe, Rie; Majrashi, Mohammed; Dhanasekaran, Muralikrishnan; Graff, Emily C., Evaluation of neurotransmitter concentrations in the prefrontal cerebral cortical gray matter of cats with phosphoprotein enriched in astrocytes 15 kDa (PEA15) loss of function, Auburn University Research Symposium, 2021.
 146. Austin Moore, Sindhu Ramesh¹, Manoj Govindarajulu¹, Tony Thomas¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Meta-Analysis of SARS-CoV-2-induced Central Nervous System Disorders, Auburn University Research Symposium, 2021.
 145. Suhrud Pathak, Sindhu Ramesh¹, Manoj Govindarajulu¹, Tony Thomas¹, Timothy Moore¹, COVID-19 Related Endocrine / Metabolic disorders: A Methodical Assessment to Improve Pandemic Related Global Health Care, Muralikrishnan Dhanasekaran¹, Auburn University Research Symposium, 2021.
 144. Caroline Jackson, Sindhu Ramesh¹, Manoj Govindarajulu¹, Tony Thomas¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Systematic Evaluation of Prevalent Gastrointestinal Pathologies Associated with COVID-19, Auburn University Research Symposium, 2021.

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143. Claire Hiott, Ramesh, Sindhu, Govindarajulu, Manoj, Tony, Thomas, Moore, Timothy; Dhanasekaran, Muralikrishnan, "Conjunctivitis": A major clinical indicator of COVID-19, Auburn University Research Symposium, 2021.
 142. Wilson, Danielle, Ramesh, Sindhu; Govindarajulu, Manoj; Tony, Thomas; Moore, Timothy; Dhanasekaran, Muralikrishnan, COVID-19 and its potential impact on the male and female reproductive systems, Auburn University Research Symposium, 2021.
 141. Canaday, Jessica, L, Sindhu Ramesh¹, Manoj Govindarajulu¹, Tony Thomas¹, Timothy Moore¹, Muralikrishnan Dhanasekaran, Pneumonia and acute respiratory distress syndrome are the major COVID-19-related morbidities: A clinical review of COVID-19 related respiratory pathologies as compared to other common viral diseases, Muralikrishnan Dhanasekaran¹, Auburn University Research Symposium, 2021.
 140. Dorsten, Kathryn E., Sindhu Ramesh¹, Manoj Govindarajulu¹, Tony Thomas¹, Timothy Moore¹, Muralikrishnan Dhanasekaran, Pathological effects of COVID-19 on the cardiovascular system (CVS) in comparison to other viral disease states Auburn University Research Symposium, 2021.
 139. MccLung, Mallory, Sindhu Ramesh¹, Manoj Govindarajulu¹, Tony Thomas¹, Timothy Moore¹, Muralikrishnan Dhanasekaran, A systemic meta-analysis of the correlation between COVID-19 and Prevalent Immunological disorders, Auburn University Research Symposium, 2021.
 138. Parise, Rachel S, Sindhu Ramesh¹, Manoj Govindarajulu¹, Tony Thomas¹, Timothy Moore¹, Muralikrishnan Dhanasekaran, Detrimental Impact of COVID-19 on Renal Functions Leading to Augmented Morbidity and Mortality, Auburn University Research Symposium, 2021.
 137. Annaji, Manjusha, Ramesh, Sindhu; Poudel, Ishwor; Ramapuram, T, Dhanasekaran, Muralikrishnan; Babu. Jayachandra R. Novel drug delivery design and evaluation of Donepezil loaded 3D printed implant for improving compliance in Alzheimer's patients. Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 136. Poudel, Ishwor; Annaji, Manjusha, Ramesh, Sindhu; Ramapuram, T, Dhanasekaran, Muralikrishnan; Babu. Jayachandra R, Enhancing the compliance of Hispolon in patients with neurodegenerative disorders: A Novel drug delivery design (3D printed implant). Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 135. Julia, R, Abbott, Kodye; Majrashi, Mohammed; Almaghrabi, Mohammed; Govindarajulu, Manoj; Ramesh, Sindhu; Fahoury, Eddie; Gill, Kristina; McElroy, Trey; Narayanan, Natasha; Desai, Darshini; Nadar, Rishi; Moore, Timothy; Dhanasekaran, Muralikrishnan; Pondugula, Satyanarayana, Correlating the hepatological markers with indicators of cognitive functions in various validated rodent models of cognitive impairment, Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 134. Almaghrabi M, Majrashi M, Deruiter J, Clark C.R, Dhanasekaran M, The potential threat of party pills on addiction and Parkinson's disease, Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
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133. Mullins, Claire, E Dwipayana Bhattacharya, Sindhu Ramesh, Manoj Govindarajulu, Jenna Bloemer, Subhrajit Bhattacharya, Manal Buabeid, Martha Escobar, Timothy Moore, Vishnu Suppiramaniam, Muralikrishnan Dhanasekaran Investigation of ILK signalling deficits in prenatal alcohol rats exposed to 7,8-dihydroxyflavone, Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 132. Mansour Alturki*,a, K. Reeta Vijayanib, Mohammed Majrashi*,c, Ayaka Fujihashi*, N. Kirubakaranb, Forrest Smith*, Muralikrishnan Dhanasekaran, Enhanced bioavailability of Boswellic acid by Piper longum in Rabbits: A computational and pharmacokinetic analysis, Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 131. Schwartz, Jack, Majrashi, Mohammed; Almaghrabi, Mohammed; Fujihashi, Ayaka; Ramesh, Sindhu; Reed, Miranda; Suppiramaniam, Vishnu; Dhanasekaran, Muralikrishnan. "β-hydroxybutyric acid"- A budding therapeutic drug for Dementia. Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 130. Bricco, Katherine, E, Ramesh, Sindhu; Govindarajulu, Manoj; Deruiter, Jack; Clark, Randall; Dhanasekaran, Muralikrishnan. Are the "Designer drugs" a global liability and peril? Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 129. Harshan, Aishah; Zhao, Mingliu; Alturki, Mansour; Almaghrabi, Mohammed; Ramesh, Sindhu; Govindarajulu, Manoj; Alghenaim, Fada; Smith, Forrest; Deruiter, Jack; Clark, Randall; Dhanasekaran, Muralikrishnan. "Piperazine" Designer Drugs affect the cells producing Amyloid-beta, Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 128. Zhao, Mingliu; Harshan, Aisha; Alturki, Mansour; Almaghrabi, Mohammed; Ramesh, Sindhu; Govindarajulu, Manoj; Alghenaim, Fada; Smith, Forrest; Deruiter, Jack; Clark, Randall; Dhanasekaran, Muralikrishnan. Trifluoromethylphenyl (TFMPP) derivatives affects dopaminergic, hippocampal and PS70 cells, Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 127. Alghenaim, F; Alturki, Mansour; Almaghrabi, Mohammed; Harshan, Aisha; Zhao, Mingliu; Ramesh, Sindhu; Smith, Forest; Clark, Randall; Deruiter, Jack; Dhanasekaran, Muralikrishnan, "Kainic acid"- A potent neuroexcitatory amino acid agonist may not be a valid model to assess dopaminergic neurotoxicity. Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 126. Priyanka D. Pinky¹, Jenna Bloemer¹, Sharay E. Setti ¹, Ryan T. Heslin¹, Yifeng Du¹, Warren D. Smith¹, Alexander Dityatev^{2,3}, Muralikrishnan Dhanasekaran^{1,2}, Miranda N. Reed ^{1,2}, Vishnu Suppiramaniam^{1,2}, Elucidation of the mechanisms of cognitive deficits in adolescent offspring due to prenatal cannabinoid exposure, Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 125. Justin Hall¹, Priyanka D. Pinky^{2*}, Mohammed Majrashi^{3*}, Fujihashi Ayaka², Jenna Bloemer², Vishnu Suppiramaniam^{1#}, Muralikrishnan Dhanasekaran,^{1#} Role of Prenatal Synthetic Cannabinoid Exposure on the Cerebellum of Adolescent Rat Offspring. Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.

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124. Caroline A. Jackson, S Pondugula, M Majrashi, M Almaghrabi, K Abbott, M Govindarajulu, S Ramesh, K Gill, E Fahoury, N Narayanan, D Desai, R Nadar, E McElroy, T Moore, M Dhanasekaran, Hematological markers detect cognitive impairment in rodent models tested with streptozotocin and chemotherapy, Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 123. Mentlick, Kassandra; Ahuja, Manuj; Buabeid, Manal; Ramesh, Sindhu, Govindarajulu, Manoj; Almaghrabi, Mohammed; Alturki, Mansour; Smith, Forrest; Suppiramaniam, Vishnu; Moore, Timothy; Dhanasekaran, Muralikrishnan, Ayurvedic botanical exhibits Anti-Alzheimer's effect by exhibiting significant neuroprotective effects, Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 122. Solomonik, Anna C, Desai, Darshini, Majrashi, Mohammed; Almaghrabi, Mohammed; Abbott, Kodye; Ramesh, Sindhu; Govindarajulu, Manoj, Pondugula, Satyanarayana; Moore, Timothy; Dhanasekaran, Muralikrishnan, Chemotherapeutics can increase the risk of dopaminergic neurotoxicity, Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 121. Schoenmeyer, Kelsey, E Lohani, Madhukar¹; Rajpoot, Mrigendra⁵; Ramesh, Sindhu³; Govindarajulu, Manoj³; Majrashi, Mohammed³; Fahory, Eddie³; Moore, Timothy³; Shannon, Dennis⁴; van Ginkel, Frederik²; Schwartz, Dean¹; Kempainen, Barbara¹; Dhanasekaran, Muralikrishnan³ *Scutellaria lateriflora*: An innovative botanical to treat inflammation driven neurodegenerative, Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 120. Ramapuram, Hariteja, Alturki, Mansour; Almaghrabi, Mohammed; Majrashi, Mohammed; Fujihashi, Ayaka; Ramesh, Sindhu; Govindarajulu, Manoj; Moore, Timothy; Forrest, Smith; Clark, Randall; Deruiter, Jack; Dhanasekaran, Muralikrishnan, Can computational modelling predict the neurotoxicity of designer drugs? Center for Neuroscience initiative-CNSi, (2020) Auburn, AL.
 119. Schoenmeyer, Kelsey, E, Lohani, Madhukar¹; Rajpoot, Mrigendra⁵; Ramesh, Sindhu³; Govindarajulu, Manoj³; Majrashi, Mohammed³; Fahory, Eddie³; Moore, Timothy³; Shannon, Dennis⁴; van Ginkel, Frederik²; Schwartz, Dean¹; Kempainen, Barbara¹; Dhanasekaran, Muralikrishnan. Anti-inflammatory and immunomodulatory activities of *Scutellaria lateriflora*. (2020) Auburn Research Day.
 118. Almaghrabi, Mohammed, Almalki, Ahmad, DeRuiter, Jack, Clark, Randall C. Dhanasekaran, Muralikrishnan Design, synthesis, and analytical profiles of N-methoxybenzyl substituted chlorophenylpiperazine regioisomers as novel psychoactive agents. (2020) Auburn Research Day.
 117. Schwartz, Jack, Majrashi, Mohammed; Almaghrabi, Mohammed; Fujihashi, Ayaka; Ramesh, Sindhu; Reed, Miranda; Suppiramaniam, Vishnu; Dhanasekaran, Muralikrishnan. Elucidate the *in vitro* neuroprotective effects of ketone bodies in hippocampal HT-22 neurons. (2020) Auburn Research Day.
 116. Bricco, Katherine, E, Ramesh, Sindhu; Govindarajulu, Manoj; Deruiter, Jack; Clark, Randall; Dhanasekaran, Muralikrishnan. Past and Future of Designer drugs: A meta-analysis. (2020) Auburn Research Day.
-

-
115. Jackson, Caroline; Pondugula, Satyanarayana; Majrashi, Mohammed; Almaghrabi, Mohammed; Abbott, Kodye; Govindarajulu, Manoj; Ramesh, Sindhu; Gill, Kristina; Fahoury, Eddie; Narayanan, Natasha; Desai, Darshini; Nadar, Rishi; McElroy, Trey; Moore, Timothy; Dhanasekaran, Muralikrishnan, Cognitive impairment associated with use of streptozotocin and chemotherapy in rodent models. (2020) Auburn Research Day.
 114. Julia, Abbott, Kodye; Majrashi, Mohammed; Almaghrabi, Mohammed; Govindarajulu, Manoj; Ramesh, Sindhu; Fahoury, Eddie; Gill, Kristina; McElroy, Trey; Narayanan, Natasha; Desai, Darshini; Nadar, Rishi; Moore, Timothy; Dhanasekaran, Muralikrishnan; Pondugula, Satyanarayana, Coadministration of doxorubicin and cyclophosphamide does not induce hepatotoxicity in mice. (2020) Auburn Research Day.
 113. Mullins, Claire, E, Bhattacharya, Dwipayana; Ramesh, Sindhu; Govindarajulu, Manoj; Bloemer, Jenna; Bhattacharya, Subhrajit; Buabeid, Manal; Escobar, Martha; Moore, Timothy; Suppiramaniam, Vishnu; Dhanasekaran, Muralikrishnan. Elucidating the neuroprotective effects of 7,8 DHF in prenatal exposed rats. (2020) Auburn Research Day.
 112. Zhao, Mingliu; Harshan, Aisha; Alturki, Mansour; Almaghrabi, Mohammed; Ramesh, Sindhu; Govindarajulu, Manoj; Alghenaim, Fada; Smith, Forrest; Deruiter, Jack; Clark, Randall; Dhanasekaran, Muralikrishnan. *In vitro* Effect of Trifluoromethylphenyl (TFMPP) derivatives on Amyloid-Beta ($A\beta$) secreting cells. (2020) Auburn Research Day.
 111. Omer, Saba, Boothe, Dawn; Mansour, Mohammed; Alghenaim, Fada; Pondugula, Satyanarayana; Dhanasekaran, Muralikrishnan; Elucidating the Anti-cancer effects (B cell lymphoma) of Cannabinoids. (2020) Auburn Research Day.
 110. Solomonik, Anna C, Majrashi, Mohammed; Almaghrabi, Mohammed; Abbott, Kodye; Ramesh, Sindhu; Pondugulu, Satyanarayana; Moore, Timothy; Dhanasekaran, Muralikrishnan, Evaluating the effects of chemotherapeutics on dopaminergic cells. (2020) Auburn Research Day.
 109. Mentlick, Kassandra; Ahuja, Manuj; Buabeid, Manal; Ramesh, Sindhu, Govindarajulu, Manoj; Almaghrabi, Mohammed; Alturki, Mansour; Smith, Forrest; Suppiramaniam, Vishnu; Moore, Timothy; Dhanasekaran, Muralikrishnan. *Centella asiatica* extract affects the glutamatergic signaling to induce neuroprotection. (2020) Auburn Research Day.
 108. Annaji, Manjusha, Poudel, Ishwor; Ramesh, Sindhu; Dhanasekaran, Muralikrishnan; Jayachandra R, Babu. Thermoplastic 3D printing-A future novel therapeutic drug delivery system to improve pharmacokinetics and Pharmacodynamics parameters and decrease adverse drug reactions and hypersensitivity manifestations. (2020) Auburn Research Day.

-
107. Ramapuram, Hariteja; Majrashi, Mohammed; Fujihashi, Ayaka; Beamon, Haley; Almaghrabi, Mohammed; Fadan, Maali; Fahoury, Eddie; Jackson, Caroline; Govindarajulu, Manoj; Bradford, Chastity; Bolden-Tiller, Olga; Dhanasekaran, Muralikrishnan, Evaluating the oxidative stress and mitochondrial functions in aging goat testis. (2020) Auburn Research Day.
 106. Ishwor Poudel, Alsaqr, Ahmed; Annaji, Manjusha; Majrashi, Mohammed A; Dhanasekaran, Muralikrishnan; Arnold, Robert; Babu, R. Jayachandra. Elucidate the anti-melanoma effects of a polyphenolic compound (Hispolon) derived from *Phellinus linteus*. (2020) Auburn Research Day.
 105. Trish A, Buabeid M, Pinky PD, Smith WD, Bloemer J, Parameshwaran K, Almaghrabi M, Dhanasekaran M, Reed MN, Suppiramaniam V. Prenatal Nicotine Exposure Leads to impairments in synaptic plasticity through altered Hippocampal Cholinergic and Glutamatergic Neurotransmission. (2020) Auburn Research Day.
 104. Pinky P.D 1, Bloemer J1, Setti S.E 1, Heslin R.T1, Du Y1, Smith W.D1, Dityatev A2,3, Dhanasekaran M1,2, Reed M.N 1,2, Suppiramaniam V1, Elucidation of the mechanism of Prenatal Cannabinoid Exposure Mediated Learning and Memory deficits in offspring: Identifying Therapeutic Targets. (2020) Auburn Research Day.
 103. Priyanka D. Pinky1*, Mohammed Majrashi2*, Fujihashi Ayaka1, Jenna Bloemer1, Vishnu Suppiramaniam1#, Muralikrishnan Dhanasekaran,1# Role of Prenatal Cannabinoid Exposure on the Cerebellum of Adolescent Rat Offspring. (2020) Auburn Research Day.
 102. Alghenaim, F; Alturki, Mansour; Almaghrabi, Mohammed; Harshan, Aisha; Zhao, Mingliu; Ramesh, Sindhu; Smith, Forest; Clark, Randall; Deruiter, Jack; Dhanasekaran, Muralikrishnan. Investigate the Comparative Neurotoxicity 1-methyl-4-phenylpyridinium (MPP+) and Kainic acid on Dopaminergic neurons. (2020) Auburn Research Day.
 101. Harshan, Aishah; Zhao, Mingliu; Alturki, Mansour; Almaghrabi, Mohammed; Ramesh, Sindhu; Govindarajulu, Manoj; Alghenaim, Fada; Smith, Forrest; Deruiter, Jack; Clark, Randall; Dhanasekaran, Muralikrishnan. Comparing the effect of various Piperazines based Designer drugs on Amyloid Beta Metabolism using Chinese Hamster Ovarian and Computational modelling, (2020) VCOM, Auburn, AL
 100. Zhao M, Harshan A, Alturki M, Almaghrabi M, Ramesh S, Govindarajulu M, Alghenaim F, Smith F, Deruiter J, Clark R, Dhanasekaran M, Investigating the effects of Designer Drugs on PS70 cells, (2020) VCOM, Auburn AL.
 99. Schwartz, J, Majrashi, M; Almaghrabi, M; Fujihashi, A; Alghenaim, F; Reed, M; Suppiramaniam, Vi; Dhanasekaran M, Neurotropic Effect of β -Hydroxybutyric Acid, (2020) VCOM, Auburn AL.
 98. Mullins C, Bhattacharya D, Ramesh S, Bloemer J, Bhattacharya S, Buabeid M, Escobar M, Moore T, Suppiramaniam V, Dhanasekaran M. AMELIORATION OF MECHANISTIC DEFICITS IN ILK SIGNALING THROUGH ADMINISTRATION OF 7, 8 DHF IN PRENATAL ALCOHOL EXPOSED RATS, (2020) VCOM, Auburn AL.
-

-
97. Jackson C, Pondugula S, Majrashi M, Almaghrabi M, Abbott K, Govindarajulu M, Ramesh S, Gill K, Fahoury E, Narayanan N, Desai D, Nadar R, McElroy E, Moore T, Dhanasekaran M, Predictable hematological markers associated with cognitive decline in valid rodent models of cognitive impairment, (2020) VCOM, Auburn AL.
 96. Bricco K, Ramesh S, Govindarajulu M, Deruiter J, Clark R, Dhanasekaran M, Designer Drugs: A Meta-analysis of the Increase in Use in the Past Years, (2020) VCOM, Auburn AL.
 95. Ramesh S, Dhanasekaran M, Moore T, Atorvastatin Attenuates Lysophosphatidic Acid (LPA)-Induced Tau Hyperphosphorylation through Inhibition of p38 MAPK Pathway, (2020) VCOM, Auburn AL.
 94. Omer, S, Boothe, D; Mansour, M; Alghenaim, F; Pondugula, S; Dhanasekaran, M; Anti-tumor effects of cannabinoids in B cell lymphoma, (2020) VCOM, Auburn AL.
 93. Ramapuram T, Majrashi M, Govindarajulu M, Fujihashi A, Beamon H Almaghrabi M, Fadan M, Fahoury E, Jackson C, Bradford CN, Bolden-Tiller O, Dhanasekaran M, Reduced Mitochondrial Function and Increased Oxidative Stress and in Aging Goat Testis, (2020) VCOM, Auburn AL.
 92. Poudel, I, Alsaqr, Ahmed; Annaji, Manjusha; Majrashi, Mohammed A; Dhanasekaran, Muralikrishnan; Arnold, Robert; Babu, R. Jayachandra. Anti-proliferative activity of hispolon, a polyphenolic compound derived from black hoof mushroom (*Phellinus linteus*), (2020) VCOM, Auburn AL.
 91. Mentlick K, Ahuja M, Buabeid M, Ramesh S, Govindarajulu M, Almaghrabi M, Alturki M, Smith F, Suppiramaniam V, Moore T, Dhanasekaran M. Shining Light on the Power of Phytomedicine: Centella asiatica Extract enhances synaptic plasticity and exhibits neuroprotection in neuronal cells against oxidative stress, (2020) VCOM, Auburn AL.
 90. Trish A, Buabeid M, Pinky PD, Smith WD, Bloemer J, Parameshwaran K, Almaghrabi M, Dhanasekaran M, Reed MN, Suppiramaniam V. Prenatal Nicotine Exposure Leads to Alterations in Hippocampal Cholinergic and Glutamatergic Neurotransmission, (2020) VCOM, Auburn AL.
 89. Harshan A, Zhao M, Alturki M, Almaghrabi M, Ramesh S, Govindarajulu M, Alghenaim F, Smith F, Deruiter J, Clark R, Dhanasekaran M, Investigate the effects of Piperazine derivatives on Amyloid beta, (2020) VCOM, Auburn AL.
 88. Alturki M, Vijayarani KR, Majrashi M, Fujihashi A, Kirubakaran N, Babu JR, Smith F, Dhanasekaran M, Enhanced bioavailability of Boswellic acid by Piper longum in Rabbits: A computational and pharmacokinetic Validation, (2020) VCOM, Auburn AL.
 87. Alghenaim F, Alturki M, Almaghrabi M, Harshan A, Zhao M, Ramesh S, Smith F, Clark R, Deruiter J, Dhanasekaran M, Novel toxins to elucidate the dopaminergic neuropathologies, (2020) VCOM, Auburn AL.

-
86. Pinky PD, Bloemer J, Setti SE, Heslin RT, Du Y, Dityatev A, Dhanasekaran M, Reed MN, Suppiramaniam V. Polysialylated neural cell adhesion molecule mimetics are a Potential Therapeutic Target for Prenatal Cannabinoid Exposure-mediated Learning and Memory Deficits, (2020) VCOM, Auburn AL.
 85. Pinky PD, Majrashi M, Ayaka F, Bloemer J, Suppiramaniam V, Dhanasekaran M, Effects of Prenatal Synthetic Cannabinoid Exposure on the Cerebellum of Adolescent Rat Offspring, (2020) VCOM, Auburn AL.
 84. Annaji M, Poudel I, Dhanasekaran M, R. Jayachandra Babu. Design and fabrication of novel dosage forms via Thermoplastic 3D printing to improve patient care, (2020) VCOM, Auburn AL.
 83. Almaghrabi M, Majrashi M, Deruiter J, Clark C.R, Dhanasekaran M. Elucidating the risk of Parkinsonism by Designer drugs: Investigating the neurotoxicity piperazine class of designer drugs on dopaminergic neuronal cells, (2020) VCOM, Auburn AL.
 82. Kassandra Mentlick*, Sindhu Ramesh, Manoj Govindarajulu, Mohammed Almaghrabi, Jack Deruiter, Randall Clark, Timothy Moore, Muralikrishnan Dhanasekaran. Substance of Abuse: “A never ending tragedy” or “Future Therapeutic Miracle” COSAM Undergraduate Research Fair! November 2019.
 81. Pinky, P.D., Majrashi M, Fujihashi, A, Bloemer, J, Suppiramaniam, V, Dhanasekaran, M. Elucidation of the neurotoxic effects of developmental cannabinoid exposure in adolescent rodent offspring. This is Research, Auburn University, Auburn, AL, April 2019.
 80. Tyler Lynd, Manoj Govindarajulu, Sindhu Ramesh, Mohammed Majrashi, Muralikrishnan Dhanasekaran HONOKIOL DISPLAYS NEUROPROTECTION IN RAT DOPAMINERGIC CELLS, (2019) Auburn Research Day.
 79. Majrashi, Mohammed, Ahuja, Manuj; Almaghrabi, Mohammed; Clark, Randall; Deruiter, Jack; Dhanasekaran, Muralikrishnan. Centella asiatica extract exhibit anti-oxidative stress effect in neuronal cells and improves synaptic plasticity, (2019) Auburn Research Day.
 78. Almaghrabi, Mohammed; Almalki, Ahmad; Majrashi, Mohammed; DeRuiter, Jack; Clark, Randall C.; Dhanasekaran, Muralikrishnan. Design, synthesis, and pharmacologic activity of novel psychoactive substituted piperazines, (2019) Auburn Research Day.
 77. Abbott, Kodye, L, Majrashi, Mohammed; Almaghrabi, Mohammed; Ramesh, Sindhu; Fahoury, Eddie; Gill, Kristina; McElroy, Trey; Narayanan, Natasha; Pondugula, Satyanarayana; Dhanasekaran, Muralikrishnan, Elevated triglyceride levels are associated with cognitive impairment in animal models of hyperglycemia and chemotherapy treatment, (2019) Auburn Research Day.

-
76. Ayaka Fujihashi, Dwipayana Bhattacharya, Elizabeth Dunaway, Jenna Bloemer, Subhrajit, Bhattacharya, Mohammed Majrashi, Mohammed Albamghrabi, Sindhu Ramesh, Martha Escobar, Vishnu Suppiramaniam, Muralikrishnan Dhanasekaran, Comparison of region-specific neurotoxicity of prenatal alcohol and nicotine exposure (2019) Auburn Research Day.
 75. Alghenaim, Fada, Majrashi, Mohammed; Almaghrabi, Mohammed; Beamon, Haley; Moore, Timothy; Bradford, Chastity; Dhanasekaran, Muralikrishnan, Investigate the effect of Aging on oxidative stress and mitochondrial functions in male *Capra aegagrus hircus* reproductive system, (2019) Auburn Research Day.
 74. Harshan, Aisha; Majrashi, Mohammed; Almaghrabi, Mohammed; Fujihashi, Ayaka; Suppiramaniam, Vishnu; Deruiter, Jack; Clark, Randall; Dhanasekaran, Muralikrishnan, Therapeutic effect of non-toxic designer drugs, (2019) Auburn Research Day.
 73. Alsaqr, Ahmed; Majrashi, Mohammed; Alhowail, Ahmad; Dhanasekaran, Muralikrishnan; Babu, R. Jayachandra, Cytotoxicity of Hispolon in Melanoma (B16BL6) Cell lines, (2019) Auburn Research Day.
 72. MacLeod, Spencer; Ramesh, Sindhu; Majrashi, Mohammed; Almaghrabi, Mohammed; Govindarajulu, Manoj; Deruiter, Jack; Clark, Randall; Mulabagal, Vanisree; Agrawal, Dinesh, C.; Moore, Timothy; Dhanasekaran, Muralikrishnan, Therapeutic Effects of Mushrooms, (2019) Auburn Research Day.
 71. Bethany Burgess, Lee, Wooseok; Fujihashi, Ayaka; Govindarajulu, Manoj; Ramesh, Sinhu; Deruiter, Jack; Majrashi, Mohammad; Almaghrabi, Mohammad; Nadar, Rishi; Moore, Timothy; Agrawal, Dinesh; Dhanasekaran, Muralikrishnan, Neuroprotective Effects of Mushrooms in Neurodegenerative Diseases, (2019) Auburn Research Day.
 70. Carlton, Mary Claire; Majrashi, Mohammed; Senthilkumar, Karuppagounder; Almaghrabi, Mohammed; Alghenaim, Fada; Dhanasekaran, Muralikrishnan, Investigating the Neuroprotective Effects of Dexamethasone against MPTP-induced Neurotoxicity, (2019) Auburn Research Day.
 69. Allis Hamby, Mohammed Majrashi, Mohammed Almaghrabi, Sindhu Ramesh, Darshini Desai, Timothy Moore, Satyanarayana Pondugula, Muralikrishnan Dhanasekaran, Molecular mechanisms involved in the Chemotherapy-Induced Cognitive Impairment: Designing effective neuroprotective strategies, (2019) Auburn Research Day.
 68. Jack Schwartz, Majrashi, Mohammed; Almaghrabi, Mohammed; Fujihashi, Ayaka; Alghenaim, Fada; Reed, Miranda; Suppiramaniam, Vishnu; Dhanasekaran, Muralikrishnan, Neurotropic Effect of β -Hydroxybutyric Acid, (2019) Auburn Research Day.

-
67. R. Soorya Gokulan¹, A. Mansour², Majrashi. Mohammed², Almaghrabi. Mohammed², F. Ayaka²; R. Sindhu², Moore. Timothy, Forrest. Smith²; Clark. Randall², Deruiter. Jack², Dhanasekaran. Muralikrishnan, Assessing the pharmacodynamics and pharmacokinetic effects of Designer Drugs using computational design (2019) Auburn Research Day.
 66. Jenna Bloemer,¹ Warren Smith,¹ Priyanka Das Pinky,¹ Manoj Govindarajulu,¹ Dwipayana Bhattacharya,¹ Rajesh Amin,¹ Muralikrishnan Dhanasekaran,¹ Robert Judd,² Vishnu Suppiramaniam¹. The Hormone Adiponectin Modulates Glutamatergic Signaling in the Hippocampus. (2019) Auburn Research Day.
 65. Manoj Govindarajulu, Jenna Bloemer, Orland Acevado, Robert Arnold, Muralikrishnan Dhanasekaran, Rajesh Amin, Vishnu Suppiramaniam. Novel PPAR-gamma agonist improves pathology and memory deficits in a 3xTg-AD mouse model of Alzheimer's disease" Science and Technology Open House, Tuskegee University, 2018.
 64. Sindhu Ramesh, Amit Mitra, Muralikrishnan Dhanasekaran, Timothy Moore. Atorvastatin attenuates Lysophosphatidic Acid Induced Tau Hyperphosphorylation Through Inhibition of p38 MAPK Pathway. Science and Technology Open House (STOH), 2018, Montgomery, AL.
 63. Mohammed Majrashi, Mohammed Almaghrabi, Maali Fadan, Ayaka Fujihashi, Claire Mullins, Jack Deruiter, C. Randall Clark, Muralikrishnan Dhanasekaran. Designer drugs (TFMPP-derivatives) can increase the risk for dementia. Science and Technology Open House (STOH), 2018, Montgomery, AL.
 62. Almaghrabi, Mohammed, Majrashi, Mohammed, Desai, Darshini, Fujihashi, Ayaka, Clark, C. Randall, DeRuiter, Jack, Dhanasekaran, Muralikrishnan. Comparing the neurotoxicity profile of designer drugs (Piperazine derivatives), Science and Technology Open House (STOH), 2018, Montgomery, AL.
 61. C. Mullins, M. Majrashi, S. Ramesh, M. Almaghrabi, K. Abbott, A. Fujihashi, M. Govindarajulu, R. Nadar, V. Suppiramaniam, S. Pondugula, M. Dhanasekaran. Relating the hematological, hepatic and renal markers as markers of cognitive impairment. Science and Technology Open House (STOH), 2018, Montgomery, AL.
 60. Tyler Lynd, Manoj Govindarajulu, Sindhu Ramesh, Vishnu Suppiramaniam, Murali Dhanasekaran. Pioglitazone Suppresses Amyloidogenic Pathway in Alzheimer's Disease Model by Modulating Mitochondrial Function. Science and Technology Open House (STOH), 2018, Montgomery, AL.
 59. Ayaka Fujihashi, Bhattacharya, Dwipan; Dunaway, Elizabeth; Bloemer, Jenna; Bhattacharya, Subhrajit; Majrashi, Mohammed; Almaghrabi, Mohammed; Ramesh, Sindhu; Escobar, Martha; Suppiramaniam, Vishnu; Dhanasekaran, Muralikrishnan. Effects of Nicotine and Alcohol on the Hippocampus and Cortex on Developing Mice Models. Science and Technology Open House (STOH), 2018, Montgomery, AL.

-
58. M. Govindarajulu, J. Bloemer, P. Das, O. Acevedo, T. Boncher, M. Reed, R. Arnold, R. Amin, M. Dhanasekaran, V. Suppiramaniam. Novel PPAR-gamma agonist improves pathology and memory deficits in a Triple Transgenic mice model of Alzheimer's disease. The 11th Annual Boshell Research Day, FEBRUARY 16, 2018, Auburn Hotel and Conference Center
 57. Bloemer, Jenna; Heslin, Ryan; Setti, Sharay; Du, Yifeng; Reed, Miranda; & Suppiramaniam, Vishnu, Elucidation of mechanism of learning and memory deficits in prenatal cannabinoid exposure (2018) Auburn Research Day.
 56. Bloemer. J, Alhowail, A, Eggert, M; Woodie, L; Jasper, S; Bhattacharya, Subhrajit; Bhattacharya, D; Zhang, Y; Johnson, N; Pinky, P; Govindarajulu, M; Escobar, M; Dhanasekaran, M; Smith, B; Arnold, R; Suppiramaniam, V. Doxorubicin-induced memory deficits are associated with altered hippocampal synaptic plasticity and glutamatergic signaling deficits. (2018) Auburn Research Day
 55. Majrashi, M, Almaghrabi, M; Desai, D; Fujihashi, A; Clark, CR; Deruiter, J; Dhanasekaran, M. Evaluation of differential cytotoxic effects of Tri-Fluoro-Methyl-Phenyl-Piperazine derivatives. (2018) Auburn Research Day
 54. Knowlton, S. Ramesh, M. Govindarajulu, T. Lynd, G. Briggs, D, Adamek, J. Heiner, E. Jones, T. Moore, R. Amin, V. Suppiramaniam, M. Dhanasekaran. SIRT3 activator Honokiol improves pathologies in vitro and in vivo models of Alzheimer's disease. (2018) Auburn Research Day
 53. Almaghrabi, M, Majrashi, M, Desai, D, Fujihashi, A, Mullins, C, Clark, CR, Deruiter, J, Dhanasekaran, M. Investigate the dopaminergic neurotoxicity profile of designer drugs: 2- trifluoromethyl benzyl phenylpiperazine (2-TFMBzPP), 3- trifluoromethyl benzyl phenylpiperazine (3-TFMBzPP), 4- trifluoromethyl benzyl phenylpiperazine (4-TFMBzPP) and benzyl phenylpiperazine (BzPP). (2018) Auburn Research Day
 52. Lynd, T, Govindarajulu, M, Ramesh, S, Majrashi, M, Suppiramaniam, V, Moore, T, Dhanasekaran. PPAR γ agonist attenuates β -Amyloid by modulating amyloidogenic pathway in an in vitro model. (2018) Auburn Research Day
 51. M. Govindarajulu, J. Bloemer, M. Reed, O. Acevedo, R. Arnold, M. Dhanasekaran, R. Amin, V. Suppiramaniam. Novel PPAR-gamma agonist improves pathology and memory deficits in a 3xTg-AD mouse model of Alzheimer's Disease. (2018) Auburn Research Day
 50. D. Desai, M. Majrashi, M. Almagrabhi, K. Abbott, S. Pondugula, M. Dhanasekaran. Evaluating the dopaminergic neurotoxicity of chemotherapeutics. (2018) Auburn Research Day
 49. Dickenson, J, Almaghrabi, M, Ramesh, R, Majrashi, M, Desai, D, Fujihashi, A, Moore, T, Clark, CR, Deruiter, J, Dhanasekaran, M. Receptor binding profile of piperazine designer drugs: 2- trifluoromethyl benzyl phenylpiperazine (2-TFMBzPP), 3- trifluoromethyl benzyl phenylpiperazine (3-TFMBzPP), 4- trifluoromethyl benzyl phenylpiperazine (4-TFMBzPP) and benzyl phenylpiperazine (BzPP). (2018) Auburn Research Day
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48. A. Fujihashi, D. Bhattacharya, E. Dunaway, J. Bloemer, S. Bhattacharya, M. Majrashi, S. Almaghrabi, M. Ramesh, M. Escobar, V. Suppiramaniam, M. Dhanasekaran. Assess the neurotoxic effects of prenatal alcohol and nicotine exposure in hippocampus and cortex of rodents. (2018) Auburn Research Day
 47. C. Jackson, M. Majrashi, H. Beamon, M. Almaghrabi, D. Desai, D. S. Ramesh, T. Moore, C. Bradford, M. Dhanasekaran. Aging scrotum in goat is attributed to augmented oxidative stress and reduced mitochondrial functions. (2018) Auburn Research Day
 46. N. Wire, M. Lohani, M. Govindarajulu, S. Ramesh, M. Majrashi, D. Shannon, D. Schwartz, T. Moore, V. Suppiramaniam, B. W Kempainen, M. Dhanasekaran American skullcap exhibits anti-inflammatory effects by acting through Arachidonic acid pathway. (2018) Auburn Research Day
 45. E. Jones, S. Ramesh, M. Govindarajulu, S. Knowlton, V. Suppiramaniam, M. Dhanasekaran. PPAR-gamma agonist Pioglitazone attenuates high glucose induced Amyloid beta overproduction in HT22 hippocampal cell lines. (2018) Auburn Research Day
 44. C. Mullins, M. Majrashi, S. Ramesh, M. Almaghrabi, D. Desai, K. Abbott, M. Govindarajulu, E. Fahoury, R. Nadar, V. Suppiramaniam, S. Pondugula, M. Dhanasekaran. Comparing the lipid, renal, liver & hematological parameters as cognitive markers in cognitive deficient (streptozotocin and chemotherapeutics treated) rodent models. (2018) Auburn Research Day
 43. Ramesh, S, Govindarajulu, M, Suppiramaniam, V, Dhanasekaran, M, Moore, T, Pioglitazone through PPAR γ dependent mechanism suppresses A β overproduction induced by high glucose in hippocampal cells. (2018) Auburn Research Day
 42. Majrashi M, Almaghrabi M, Ramesh S, Desai D, Govindarajulu M, Deruiter J, Clark CR, Suppiramaniam V, Dhanasekaran M. (2017) "Designer Drugs"- Are they a future potential threat towards increasing the risk for movement and mental disorders in the society? Auburn University Research Symposium, 2017.
 41. Fujihashi A, Bhattacharya D, E. Dunaway, Bloemer J, Bhattacharya S , Majrashi M, Ramesh S, Escobar M, Suppiramaniam v, Dhanasekaran M. (2017) Evaluation of the Hippocampal Associated Neurotoxic Effects of Prenatal Alcohol and Nicotine Exposure in Rodents. Auburn University Research Symposium 2017.
 40. Hightower H.G, Shalgum A, Alasmari A, Govindarajulu M, Majrashi MA, Ramesh S, Collier W. E, Griffin G, Amin R, Katz D, Buabeid M, Suppiramaniam V, Bradford C, Dhanasekaran M. Establishing the neuroprotective effects of Hibiscus sabdariffa. Auburn University Research Symposium 2017.
 39. Almaghrabi M, Katz D, Majrashi M, Ramesh S, Govindarajulu M, Bhattacharya D, Bhattacharya S, Shalgum A, Bradford C, Deruiter J, Clark C, Suppiramaniam V, Dhanasekaran M. Comparing the Dopaminergic Neurotoxic Effects of Piperazine Derivatives. Auburn University Research Symposium 2017.

-
38. S. Ramesh, M. Govindarajulu, T. Lynd, E. Jones, R. Amin, V. Suppiramaniam, T. Moore, M. Dhanasekaran. Sirt3 activator Honokiol attenuates Amyloid Beta through AMPK-CREB-PGC1a Pathways. Southeastern Medical Scientist Symposium< Emory Conference Center, November 18th, 2017, Atlanta
 37. Fahoury M, Lohani M, Rajpoot M, Govindarajulu M, Majrashi M, Ramesh S, Buabeid M, Patel M, Shannon D, van Ginkel F, Schwartz D, Suppiramaniam V, Kemppainen B.W, Dhanasekaran M. Anti-inflammatory and immunomodulatory activities of *Scutellaria lateriflora*. Auburn University Research Symposium 2017.
 36. Desai D, Lohani M, Ahuja M, Buabeid M, Shannon D, Majrashi MA, Ramesh S, Fahoury E, Schwartz D, Kemppainen B.W, Dhanasekaran M. *Scutellaria lateriflora* protects against endogenous neurotoxin-induced neurotoxicity. Auburn University Research Symposium 2017.
 35. Crump B.R, Bhattacharya D, Majrashi M, Dunaway D, Bloemer J, Bhattacharya S, Ramesh S, Escobar M, Suppiramaniam V, Dhanasekaran M. Nicotine exposure enhances the neurotoxic effects in the cerebellum of a rodent model of fetal alcohol spectrum disorder. Auburn University Research Symposium 2017.
 34. M. Govindarajulu, J. Bloemer, P. Das, O. Acevedo, T. Boncher, M. Reed, R. Arnold, R. Amin, M. Dhanasekaran, V. Suppiramaniam. Novel PPAR-gamma agonist improves pathology and memory deficits in a Triple Transgenic mice model of Alzheimer's disease. Southeastern Medical Scientist Symposium< Emory Conference Center, November 18th 2017, Atlanta
 33. Anderson J, Majrashi M, Almaghrabi M, Ramesh S, Govindarajulu M, Deruiter J Clark C, Suppiramaniam V, Dhanasekaran M. Elucidate the mechanisms of action of the Tri-Fluoro-Methyl-Phenyl-Piperazine derivatives. Auburn University Research Symposium 2017.
 32. Morgan M, Bhattacharya D, Ramesh S, Majrashi M, Clement T.P, Dhanasekaran M. In vivo Effects of Deepwater Horizon Crude Oil and Corexit Dispersant on Rodent Hematological Markers. Auburn University Research Symposium 2017.
 31. Bloemer J, Bhattacharya D, Alhowail A, Smith W, Judd R, Dhanasekaran M, Suppiramaniam V. (Mar 2017) The hormone adiponectin modulates hippocampal synaptic plasticity and cognition. Boshell Research Day. Auburn, AL. Poster.
 30. Bloemer J, Bhattacharya D, Alhowail A, Smith W, Chauhan A, Judd R, Dhanasekaran M, Suppiramaniam V. (April 2017) Mice lacking adiponectin display cognitive deficits and impaired synaptic plasticity. This is Research: Student Symposium. Auburn, AL.
 29. Yooket P, Alasmari A, Mouli S, Eldoumani H, Arnold R, Dhanasekaran, Amin R. Regulation of thiamine transporter, Slc19a3 by HIF-1; a novel therapeutic target for heart failure. Boshell Diabetes Research Day, Auburn, AL, 2016
 28. Mouli S, Nanayakkara G, AlAsmari A, Fu X, Eggert M, Nie B, Smith F, Arnold RD, Dhanasekaran M, Amin R. The Role of Frataxin against Doxorubicin mediated Cardiometabolic Dysregulation. Boshell Diabetes Research Day, Auburn, AL, 2016
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27. Bhattacharya D, Bloemer J, Bhattacharya S, Escobar M, Suppiramaniam V, Dhanasekaran M, Prenatal Alcohol Impairs Synaptic Plasticity and Memory Through ILK Pathway in FASD Rat Model, Graduate Scholar Forum, Auburn, AL, 2014
 26. Bhattacharya S, Escobar M, Dhanasekaran M, Suppiramaniam V, Memory Reconsolidation: Manipulating the Second Avatar, Graduate Scholar Forum, Auburn, AL, 2014
 25. Bhattacharya D, Dunaway E, Bloemer J, Bhattacharya S, Escobar M, Suppiramaniam V, Dhanasekaran M. Prenatal alcohol impairs synaptic plasticity and memory through ILK pathway in FASD rat model Auburn University 2013
 24. Mouli S, Nanayakkara G, AlAsmari A, Fu X, Eggert M, Nie B, Smith F, Arnold RD, Dhanasekaran M, Amin R. The Role of Frataxin in Doxorubicin Mediated Cardiac Hypertrophy. Auburn University Research week 2013
 23. Mouli S, Nanayakkara G, AlAsmari A, Eggert M, Nie B, Smith F, Arnold RD, Dhanasekaran M, Amin R. PPARdelta mediated protection against Doxorubicin mediated Cardiac Hypertrophy requires Frataxin. Boshell Diabetes Research Day, Auburn, AL, 2013
 22. Abdel Rahman E, Shonesy B, Buabeid M, Parameshwaran K, Ahuja M, Dhanasekaran M, Judd R, Amin R, Pinkert C, Tao Y, Suppiramaniam V. Role of integrins linked kinase in synaptic plasticity and memory, Auburn University, Twenty Second Annual Graduate Research Forum, 2012
 21. Bhattacharya S, Karuppagounder S, Ahuja M, Buabeid M, Ali E, Suppiramaniam V, Dhanasekaran M, Role of GABA in Caffeine Mediated Neuroprotection, Auburn University, Twenty Second Annual Graduate Research Forum, 2012
 20. Abdel Rahman E, Wieckowski T, Ahuja M, Parameshwaran K, Amin R, Dhanasekaran M, Escobar M, Suppiramaniam V, Peroxisome proliferator activated receptor-delta activation ameliorates diabetes-induced cognitive dysfunction. Graduate research forum. Auburn University, Auburn Al, 2012
 19. Buabeid M, Bhattacharya S, Abdel Rahman E, Wieckowski T, Ahuja M, Parameshwaran K, Amin R, Dhanasekaran M, Escobar M, Suppiramaniam V. Prenatal Nicotine Exposure and Mechanism of Memory Loss. Graduate research forum. Auburn University, Auburn Al, 2012
 18. Abdel Rahman E, Buabeid M, Shonesy B, Ahuja M, Parameshwaran K, Amin R, Dhanasekaran M, Pinkert C. A, Judd R, Tao Y, Suppiramaniam V. Role of integrin linked kinase in diabetes induced memory loss. The 4th annual Boshell Diabetes and Metabolic Diseases Research Day, Auburn University, Auburn Al, 2011
 17. S.S. Karuppagounder, S. Uthayathas, V. Suppiramaniam, Dhanasekaran M. Effect of endogenous and exogenous toxin (coadministration) in mice: Behavioral and biochemical analysis. SEPS Meeting, The Pharmacologist, 48(4):151. University/Oxford MS November 5-, 2006.

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16. Thiruchelvan K, Uthayathas S, Karuppagounder S, Suppiramaniam V, Brown-Borg H, Dhanasekaran M. Alterations in the Neurochemical pathways contribute to the enhanced memory and Brain health in long living Ames dwarf mice. Auburn University, 19th Annual Graduate Research Forum Mar. 9 – 11, 2009.
 15. Karuppagounder S, Uthayathas S, Thrash B, Suppiramaniam V, Dhanasekaran M. Chronic administration of diquat in mice: Behavioral and Biochemical analysis. Auburn University, Eighteenth Annual Graduate Research Forum Mar. 10-12th p 72-73, 2008.
 14. Uthayathas S, Parameshwaran K, Karuppagounder S.S, Suppiramaniam V, Dhanasekaran M. Sildenafil (Viagra®) improves memory in mice. Auburn University, Eighteenth Annual Graduate Research Forum Mar. 10-12th 2008. p 83-84
 13. Uthayathas, S, Karruppagounder, S. S, Thrash, B, Parameshwaran, K, Ibasemis-Tamer, S, Degim, T, Suppiramaniam, V, Dhanasekaran M. Viagra® fails to protect against parkinsonian neurotoxin: Neurochemical and behavioral study. Auburn University, Seventeenth Annual Graduate Research Forum Mar. 7-8, 2007. p 80, 2007.
 12. Thrash, B, Uthayathas, S, Karruppagounder, S. S, Suppiramaniam, V, Dhanasekaran M. Evaluate the Neurotoxic effect of environmental toxin (Maneb). Auburn University, 17th Annual Graduate Research Forum Mar. 7-8, 2007. p 78, 2007.
 11. Karuppagounder, S. S, Uthayathas, S, Thrash, B, Suppiramaniam, V, Dhanasekaran M. Co-administration of endogenous and exogenous neurotoxin in mice: Behavioral and neurochemical analysis. Auburn University, Seventeenth Annual Graduate Research Forum March 7-8, 2007. p 49, 2007.
 10. Uthayathas, S, Parameshwaran, K, Karruppagounder, S. S, Suppiramaniam, V and Dhanasekaran M. (2007) Enhancement of synaptic plasticity through chronic administration of phosphodiesterase 5 inhibitor in mice. 28th Annual Meeting of the Southeastern Pharmacology Society, Augusta, Georgia. Oct 12-13, 2007.
 9. Uthayathas, S, Parameshwaran, K, Karruppagounder, S. S, Suppiramaniam, V and Dhanasekaran M. (2007) The selective phosphodiesterase 5 inhibitor, sildenafil, improves spatial and object memory in mice 28th Annual Meeting of the Southeastern Pharmacology Society, Augusta, Georgia. Oct 12-13, 2007.
 8. Thrash, B, Uthayathas, S, Karruppagounder, S. S, Suppiramaniam, V and Dhanasekaran M. (2007) Evaluation of the neurotoxic effects of maneb. 28th Annual Meeting of the Southeastern Pharmacology Society, Augusta, Georgia. Oct 12-13, 2007.
 7. Dhanasekaran M, S.S. Karuppagounder, S. Uthayathas, V. Suppiramaniam, Brown-Borg HM, M. Ebadi. MPTP affects endogenous coenzyme Q10 content. SEPS Meeting, The Pharmacologist, 48(4):150, University/Oxford MS November 5-7, 2006.

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6. K. Parameshwaran, S. Uthayathas, C. Sims, G. Rogers, Dhanasekaran M, V. Suppiramaniam. Synaptosomal Glutamate (AMPA) Receptor Single Channel Activity is potently modulated by a new Ampakine drug CX-717. SEPS Meeting, University/Oxford MS, *The Pharmacologist*, 48(4):154. November 5-7, 2006.
 5. Uthayathas, S, Ilbasmi-Tamer, S, Suppiramaniam, V, Judd, L.R. and Dhanasekaran, M. Effects of Anti-Alzheimer's drug CX 516 on fatigue, depression and oxidative stress. Auburn University, Sixteenth Annual Graduate Research Forum Mar. 8-9, 2006.
 4. Wijayawardhane, N, Vaithianathan, T, Pandiella, N.M, Ilbasmi-Tamer, S, Uthayathas, S, Sims, C.M, Dhanasekaran, M, Breese, C, Vaglenova, J. and Suppiramaniam, V, Neuroprotective effects of aniracetam in prenatal ethanol exposure. Auburn University Sixteenth Annual Graduate Research Forum Mar. 8-9, 2006.
 3. Thrash, B, Ilbasmi-Tamer, S, Uthayathas, S, Suppiramaniam, V, Judd, L.R, Breese, C, Degim, T. and Dhanasekaran, M. (2006) Effect of sildenafil (Viagra) on fatigue and oxidative stress. Auburn University Sixteenth Annual Graduate Research Forum Mar. 8-9th, 2006.
 2. Sims C, Vaithianathan T, Bedi D, Parameshwaran K, Kanju PM, Dhanasekaran M, Judd RL, Suppiramaniam V. Functional alteration of synaptic glutamate (AMPA) receptors and streptozotocin (STZ) diabetic rats. Proceedings of the Annual Meeting of the Southeastern Pharmacology Society and Southeastern Society of Toxicology. pp. 28, 2005.
 1. Parameshwaran K, Vaithianathan T, Kanju PM, Wijayawardhana NK, Dhanasekaran M, Bahr BA, Suppiramaniam V. Modulation of glutamate (AMPA) receptors by amyloid beta peptides A1-40 and A1-42. Proceedings of the Annual Meeting of the Southeastern Pharmacology Society and Southeastern Society of Toxicology. pp. 17, 2005.

Manuscript being reviewed / under Revision:

1. Shreya Patel, Suhrud Pathak; Jeyaram Bharathi Jeyabalan; Jun Ren; Timothy Moore; Muralikrishnan Dhanasekaran, "The association between hyperglycemia and epilepsy and its clinical application, *Cardiology Plus*.
2. Ahmed Mohsen Hamdan; Shahul Hameed Pakkir Mohamed; Vinoth Prabhu Veeramani; Mathar Mohideen; Majed Falah Alanazi; Muralikrishnan Dhanasekaran; Vasudevan Mani; Kousalya Prabahar; Mostafa A. Sayed Ali, Palanisamy Amirthalingam Virtual pharmacy simulation into drug information course, *International Journal of Educational Research*.
3. Michael Chan¹, Chloe Ghadieh¹, Isphahan Irfan¹, Eamen Khair¹, Natasha Padilla¹, Sanshya Rebeiro¹, Annabel Sidgreaves¹, Muralikrishnan Dhanasekaran², Gabriele De Rubis¹, Kamal Dua¹, Exploring the influence of the microbiome on the pharmacology of anti-asthmatic drugs. *Asian Journal of Pharmaceutical Sciences*.
4. Mohammed Almaghrabi a,b, Mohammed Majrashia ,c, Ahmad Almalki a, Mansour Alturki a, Darshini Dasaia, Jack Deruiter a, C. Randall Clark a, Muralikrishnan Dhanasekaran a, Novel Trifluoromethylbenzylphenyl-piperazine derivatives induce lower dopaminergic neurotoxicity as compared to the designer drug-Trifluoromethylphenyl-piperazine derivatives. *PlosOne*
5. Ahmad Hamad Alhowail, Matthew Warren Eggert, Jenna Bloemer, Priyanka Das Pinky, Lauren Woodie, Subhrajit Bhattacharya, Dwipayana Bhattacharya, Manal A Buabeid, Bruce Frederic Smith, Muralikrishnan Dhanasekaran, Miranda N. Reed, Martha Escobar, Robert D Arnold* and Vishnu Suppiramaniam. Phenyl-2-aminoethyl Selenide Ameliorates Hippocampal Long-term Potentiation and Cognitive Deficits Following Doxorubicin Treatment, *PlosOne*
6. Tharanath Shankar¹, Vijayashree Thyagaraj¹, Ashwin Kulkarni¹, Akshay Rao¹, Amulya Manohar², Nithin Kumar¹, Manoj Y. Govindarajulu³, Timothy Moore³, Muralikrishnan Dhanasekaran³, Sindhu Ramesh³*Case series of COVID-19 unmasking Cirrhosis. *COVID-19, ECCM*.
7. Rachel Parise¹, Rishi Nadar¹, Jack Deruiter¹, Jun Ren^{2,3}, Sindhu Ramesh¹, Manoj Govindarajulu¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Role of Autophagy and Mitophagy in Antihyperglycemic Pharmacotherapy.
8. Kumudha Dhamothrasamy¹*, Hemalatha Selvaraj¹, Muralikrishnan Dhanasekaran², Kanagaraj Duraisamy³, An Impactful Prospective Study on Tuberculosis in geriatric Populations in addition to its therapeutic strategies and clinical implication and outcomes in the Indian Subcontinent, *Indian Journal of Tuberculosis*.
9. Hemalatha Selvaraj¹, Kumudha Dhamothrasamy¹*, Kanagaraj Duraisamy², Sihrud Pathak, Muralikrishnan Dhanasekaran³, In- vitro anti- breast cancer screening of Morphological, Biochemical changes in MCF-7 cells by Quercetin.

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10. Satyanarayana R Pondugula *, Mohammed Almaghrabi, Mohammed Majrashi, Kodye L Abbott, Manoj Govindarajulu, Sindhu Ramesh, Fada Alghenaim, Rishi Nadar, Tony Thomas, Muhammed Majeed, Kalyanam Nagabhushanam, Timothy Moore, Muralikrishnan Dhanasekaran * Antiepileptic effects of *Oroxylum indicum* extract in a valid (kainic acid-administered) rodent model of epilepsy. (FASEB)

Manuscript Under Preparation:

1. Karpagam Kumara Sundari¹, Mansour Alturki³, Jack Deruiter³, Sindhu Ramesh³, Rishi Nadar³, Keyi Liu³, Suhrud Pathak³, Mohammed Almaghrabi³, Mohammed Majrashi³, K.A.S. Mohamed Shafeeq¹, A. Mohamed Rassa¹, U. Sangeetha¹, Reeta Vijayarani², Forrest Smith³, Timothy Moore³, Muralikrishnan Dhanasekaran³. Neuroprotective effects of *Curcuma longa* against Hyperglycemic and Hypoarousal -induced Cognitive Impairment.
2. Saba Omer¹, Maninder Sandey², Muralikrishnan Dhanasekaran³, Satyanarayana Pondugula¹, Mohammed Mansour¹, Dawn Boothe¹. Expression of Cannabinoid Receptors and Effect of phytocannabinoids on Non-Hodgkin Lymphoma cell lines.
3. Karpagam Kumara Sundari¹, Mansour Alturki³, Jack Deruiter³, Sindhu Ramesh³, Rishi Nadar³, Keyi Liu³, Suhrud Pathak³, Mohammed Almaghrabi³, Mohammed Majrashi³, K.A.S. Mohamed Shafeeq¹, A. Mohamed Rassa¹, U. Sangeetha¹, Reeta Vijayarani², Forrest Smith³, Timothy Moore³, Muralikrishnan Dhanasekaran³. Neuroprotective effects of *Centella asiatica* against Hyperglycemic and Hypoarousal -induced Cognitive Impairment.
4. Satyanarayana R Pondugula *, Mohammed Almaghrabi, Mohammed Majrashi, Kodye L Abbott, Manoj Govindarajulu, Sindhu Ramesh, Fada Alghenaim, Rishi Nadar, Tony Thomas, Muhammed Majeed, Kalyanam Nagabhushanam, Timothy Moore, Muralikrishnan Dhanasekaran * Anti-lipidemic effects of *Oroxylum indicum* extract in a valid rodent model of hyperlipidemia.
5. Hindi Alharbi, Ahmad Alhowail, Maha Aldubayan, Minhajul Arfeen, Ibrahim Alharbi, Shatha Felemban, Ibtesam Almami, Hani Alfheaid, Muralikrishnan Dhanasekaran, Vasudevan Mani, Neuroprotective effect of Ajwa date palm (*Phoenix dactylifera*) seed extract against hyperglycemia-induced cognitive dysfunction in rats. (Drug Design, Development and Therapy).
6. Palrasu, Manikandan; Paulrasu, Kodisundaram; Sriramajayam, Kannappan; Thirunavukkarasu, Balasankar; Amin, Rajesh; Alturki, Mansour; Darshini, Desai; Dhanasekaran, Muralikrishnan; Minond, Dmitriy Manuscript ID: jm-2018-007034. "Novel 4-methyl-N'-(3,3-dimethyl-2r,6c-diarylpiperidin-4-ylidene)-1,2,3-thiadiazole carbohydrazides selectively inhibit BRAF and NRAS-mutated melanoma cells via induction of apoptosis and autophagy".
7. Euitaek Yang, Kartheek Gavini, Lani Lyman-Henley, Muralikrishnan Dhanasekaran, Venugopalan Cheriyaath, Larry F. Lemanski, Kodeeswaran Parameshwaran. Maspardin interacts with Rab5 and likely regulates early endosomal cycling.

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8. Chandir C. Ramani^{1*}, R. Jayachandra Babu², Muralikrishnan Dhanasekaran², S. S. Apte¹, D. Rambhau¹. Synthesis of various alkyl, alkyl-aryl glycerol's to enhance the bioavailability of levodopa for the treatment of Parkinson's disease (J. Pharm. Sci)
 9. K. Reeta VijayaRani¹, Suhrud Pathak⁴, Surekha Kaddanagari⁴, Sindhu Ramesh⁴, Manoj Govindarajulu⁴, Kiruba Mohandoss², Mohammed Almaghrabi⁴, N Kirubakaran³, R Jayachandra Babu⁴, Timothy Moore⁴, Muralikrishnan Dhanasekaran⁴, Novel phytosomal formulation of Thuja occidentalis with improved stability and enhanced pharmacokinetic profile.
 10. K Reeta Vijayarani^{*}, N Kirubakaran, Manoj Govindarajulu, Sindhu Ramesh, Mohammed Almaghrabi, R. Jayachandra Babu, Jack Deruiter, Randall Clark, Timothy Moore, and Muralikrishnan Dhanasekaran^{*} Experimental studies of Siddha formulation of D5 Chrooranam Tablets on Human pancreatic alpha-amylase (1HNY) and Alpha-Glucosidase (4J5T).
 11. Rachel Parise, Suhrud Pathak, Sindhu Ramesh, Manoj Govindarajulu, Jun Ren, Timothy Moore, Muralikrishnan Dhanasekaran, Mitotherapy for neurodegenerative diseases.
 12. Kelly Mcdonald, Rishi M. Nadar, Sindhu Ramesh, Manoj Govindarajulu, Mohammed Almaghrabi, Jack Deruiter, Randall C. Clark, Timothy Moore, Muralikrishnan Dhanasekaran, GI pathology, and cognitive impairment.
 13. Govindarajulu, Manoj, Ramesh, Sindhu, Karuppagounder, Senthil, Ahuja, Manuj, Moore, Tim, Dhanasekaran, Muralikrishnan, Compare the neurotoxicity induced by MPTP and methamphetamine.
 14. Austin Moore, Rachel Parise, Sindhu Ramesh, Manoj Govindarajulu, Jun Ren, Timothy Moore, Muralikrishnan Dhanasekaran, Neurological disorders Associated with COVID-19.
 15. Keyi Liu a, Surekha Kadannagari a, Jack Deruiter¹, Suhrud Pathak¹, Kodye L Abbott², Julia M Salamat², Satyanarayana R Pondugula², Benson T Akingbemi^{2*}, Muralikrishnan Dhanasekaran; Effects of developmental exposures to bisphenol-A and bisphenol-S on hepatocellular function in male long-evans rats.
 16. R Rushendran¹, Muralikrishnan Dhansekar², and Kaliappan Ilango^{3,*} An Effective and Potential Networking of Valid Bioactives of (Apigenin, Kaempferol, and Molecule 258) *Chrysanthemum indicum*

Book Chapters Under Preparation:

1. Graham Lynn, Suhrud Pathak, Reeta Vijayrani, Jack Deruiter, Muralikrishnan Dhanasekaran, Artificial Intelligence to Assist Brian & Spinal Cord Injuries/Damages in Surgery and Procedures. Application of Artificial Intelligence in Neurological Disorders, Springer Book (2023).
2. Bernadette Carl, Suhrud Pathak, Reeta Vijayrani, Jack Deruiter, Muralikrishnan Dhanasekaran, Artificial Intelligence in Neuroscience: A Novel of Beneficial Approach to Alleviate Movement Disorders. Application of Artificial Intelligence in Neurological Disorders, Springer Book (2023).
3. Krish Patel, Suhrud Pathak, Reeta Vijayrani, Jack Deruiter, Muralikrishnan Dhanasekaran, Role of Artificial Intelligence to Relieve Psychiatric Disorders. Application of Artificial Intelligence in Neurological Disorders, Springer Book (2023).
4. Ishan Patel, Suhrud Pathak, Reeta Vijayrani, Jack Deruiter, Muralikrishnan Dhanasekaran, Use of Artificial Intelligence in the Cerebral Disorder. Application of Artificial Intelligence in Neurological Disorders, Springer Book (2023).
5. Shannon Kim, Suhrud Pathak, Reeta Vijayrani, Jack Deruiter, Muralikrishnan Dhanasekaran, Artificial Intelligence to Aid in the Prevention and Treatment of neurological and neurodegenerative disorders. Application of Artificial Intelligence in Neurological Disorders, Springer Book (2023).
6. Bennett Lange, Suhrud Pathak, Reeta Vijayrani, Jack Deruiter, Muralikrishnan Dhanasekaran, Artificial Intelligence to Relieve and Benefit Dementia. Application of Artificial Intelligence in Neurological Disorders, Springer Book (2023).
7. Lacey Marshall, Suhrud Pathak, Reeta Vijayrani, Jack Deruiter, Muralikrishnan Dhanasekaran, Artificial Intelligence to Detect and Reduce Neuronal Hyperarousal. Application of Artificial Intelligence in Neurological Disorders, Springer Book (2023).
8. Ashleigh Farmer, Suhrud Pathak, Reeta Vijayrani, Jack Deruiter, Muralikrishnan Dhanasekaran, Artificial Intelligence to Identify and Improve Depression. Application of Artificial Intelligence in Neurological Disorders, Springer Book (2023).
9. Kiersten Ward, Suhrud Pathak, Reeta Vijayrani, Jack Deruiter, Muralikrishnan Dhanasekaran, Artificial Intelligence to Recognize and treat Neuronal Cancer/Tumor. Application of Artificial Intelligence in Neurological Disorders, Springer Book (2023).
10. Caleb Alford, Suhrud Pathak, Reeta Vijayrani, Jack Deruiter, Muralikrishnan Dhanasekaran, Artificial Intelligence to Distinguish and cure Neuronal Infections. Application of Artificial Intelligence in Neurological Disorders, Springer Book (2023).
11. Kirupa Mohandoss, Suhrud Pathak, Muralikrishnan Dhanasekaran, The omnipotent and omnipresent inevitability of Artificial Intelligence (AI), Artificial Intelligence in Pharmacy., CRC Press, Taylor & Francis Group.

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12. AI is all about creating a win-win situation. Application of Artificial Intelligence in Neurological Disorders, Artificial Intelligence in Pharmacy., CRC Press, Taylor & Francis Group.
 13. Mullaicharam, Reeta Vijayrani, Muralikrishnan Dhanasekaran, Modern Scope, Outcomes, and Potential Application of Artificial Intelligence to Advance to Field of Neuroscience. Application of Artificial Intelligence in Neurological Disorders, Springer Book (2023).
 14. Keyi Liu¹, Dylan Bower¹, Surekha Kaddanagari¹, Sindhu Ramesh¹, Jack Deruiter¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Bioactive and Pharmacology of *Abrus precatorius* (Family Fabaceae)
 15. Surekha Kadannagari¹, Brandon Thomas¹, Keyi Liu¹, Sindhu Ramesh¹, Jack Deruiter¹, Timothy Moore¹, Muralikrishnan Dhanasekaran¹, Bioactives and Pharmacology of *Canavalia* species (Family Fabaceae)

Grants / Contracts: Currently Funded

Current Research Grants:

- ✦ Developing a Bachelor of Science Degree Program in “Drug and Biopharmaceutical Sciences”
Agency: Auburn University (Strategic Investment from the Mission Enhancement Fund)
Amount: \$673,000
Role: Program Director
- ✦ “Alabama State University-Auburn University Partnership to Promote Diversity in Aging Research”
Agency: NIH 1 R25 AG070244-01A1
Amount: \$1,459,000
Role: Mentor/(Co-Investigator)
- ✦ Establish the anti-nociceptive and anti-inflammatory effects of Guineensine extract in neuropathic pain.
Agency: Sabinsa Pharmaceuticals
Amount: \$29,700
Role: Principal Investigator
- ✦ Evaluating the neuroprotective effects of *Oroxylum indicum* extract in an animal model of Alzheimer’s disease
Agency: Sabinsa Pharmaceuticals
Amount: \$46,200
Role: Principal Investigator
- ✦ Establish the anti-epileptic effects of *Oroxylum indicum* extract
Agency: Sabinsa Pharmaceuticals
Amount: \$20,000
Role: Principal Investigator
- ✦ Evaluate the stimulant or dopaminergic agonist effect of *Oroxylum indicum* extract
Agency: Sabinsa Pharmaceuticals
Amount: \$5,000
Role: Principal Investigator
- ✦ Reducing the burden of neurological disease by increasing fundamental knowledge about the brain and nervous system
Agency: Auburn University Tier II Presidential Awards for Interdisciplinary Research (PAIR) program
Amount: \$637,500
- ✦ Assess the monoamine and its metabolites in the mutant cats.
Agency: Auburn University Veterinary School
Amount: \$5,000
Role: Principal Investigator

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- ✦ Evaluate the Pharmacological activity of endogenous and exogenous cannabinoids.
Agency: Auburn University Veterinary School
Amount: \$6,000
Role: Principal Investigator
 - ✦ Anti-lymphoma mechanisms of cannabinoids.
Agency: Auburn University Veterinary School
Amount: \$6,000
Role: Principal Investigator

Completed Grants Proposals:

- ✦ Neuroprotection against commonly used environmental neurotoxins.
Agency: CRG, Auburn University
Amount: \$4,500.00 (Funded)
Role: Principal Investigator
- ✦ Sildenafil (Viagra) in Alzheimer's disease.
Agency: Bio-grant proposal, Auburn University.
Amount: \$10,000 (Funded)
Role: Principal Investigator
- ✦ Evaluate the Neuroprotective effects Centella asiatica in Alzheimer's disease animal model
Agency: Alzheimer's Disease Association
Amount: \$99,990 (Funded)
Role: Principal Investigator
- ✦ Evaluate the behavioral and biochemical effects of Gulf oil spill and/or corexit in rodents
Agency: OVPR, Auburn University.
Amount: \$44,000 (Funded)
Role: Principal Investigator
- ✦ Investigate the neuroprotective effects of natural products for Parkinson's Disease research from: \$5,000
Agency: Texas Foundation
Amount: \$5,000
Role: Principal Investigator
- ✦ Investigate the neuroprotective effects of natural products for Parkinson's Disease research from: \$5,000
Agency: Scott & White Foundation, Texas
Amount: \$150,000
Role: Principal Investigator
- ✦ Cognitive enhancement actions of *Oroxylum indicum* in hyperglycemia associated memory loss.
Agency: Sabinsa Pharmaceuticals
Amount: \$15,000
Role: Principal Investigator

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- ☛ Establishing the cognitive enhancement effects and neuroprotective mechanisms of *Oroxylum indicum* extract against chemotherapeutics-induced neurotoxicity.
Agency: Sabinsa Pharmaceuticals
Amount: \$15,000
Role: Principal Investigator
 - ☛ Investigating the *in vitro* effects of *Oroxylum indicum* extract on beta-amyloid metabolism
Agency: Sabinsa Pharmaceuticals
Amount: \$10,000
Role: Principal Investigator
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Funds received for training Young Scientists

- a) Dr. Mohammed Ali Majrashi
Amount: \$89,256 (direct)
Scholarship for M.S,
Agency: Saudi Arabian Government
- b) Dr. Mohammed Almaghrabi
Amount: \$89,256 (direct)
Scholarship for M.S,
Agency: Saudi Arabian Government
- c) Ms. Fada Alghenaim
Amount: \$89,256 (direct)
Scholarship for M.S,
Agency: Saudi Arabian Government
- d) Ms. Aisha Harshan
Amount: \$89,256 (direct)
Scholarship for M.S,
Agency: Saudi Arabian Cultural Mission
- e) Ms. Ming Liu
Amount: \$89,256 (direct)
Scholarship for M.S,
Agency: Ocean University, China
- f) Dr. Mohammed Ali Majrashi
Amount: \$ 178512 (direct)
Scholarship for Ph.D.,
Agency: Saudi Arabian Government
- g) Dr. Mohammed Almaghrabi
Amount: \$ 178512 (direct)
Scholarship for Ph.D.,
Agency: Saudi Arabian Government

h) Ms. Darshini Desai
Amount: \$ 51,00 (direct)
Scholarship for M.S.,
Agency: Self-Funded

i) Ms. Surekha Kadannagari
Amount: \$ 68,00 (direct)
Scholarship for M.S.,
Agency: Self-Funded

j) Ms. Keyi Liu
Amount: \$ 68,00 (direct)
Scholarship for M.S.,
Agency: Self-Funded

Patents

- ✪ A system for phytosomal formulation of *Thuja occidentalis* extract for the treatment of wart. German Patent (Received on 11 January 2023, Application number = 202022106636.1.).
- ✪ Anti-Parkinson's Disease Pharmaceutical and Method of Use. US-Provisional Patent Application, No 60/549,999 and 60/569,786 by BV Manyam, M Dhanasekaran and JM Cassady

Teaching/Academic work

Current Teaching Responsibility	
Graduate Courses	
✪ M.S.	
✪ Ph.D.	
✪ Pharm.D	
Undergraduate Courses	
✪ U.G. research	
✪ Honors college	
Students trained	
✪ Graduate	
✪ Pharm.D	
✪ Undergraduate	
Courses and Curricula Developed	
Publications Pertaining to Teaching	
Other Contributions to Teaching	

Courses Taught

Undergraduate Courses

International Curriculum

Graduate Courses	Semester	Lecture hours
Introduction of Pharmacology-Ocean University, Qingdao, China	May-June	Online, 4 hours
Neuropharmacology	May-June	12 hours
Introduction of Pharmacology-Ocean University, Qingdao, China	May-June	Online, 4 hours
Neuropharmacology	May-June	12 hours
Introduction of Pharmacology-Ocean University, Qingdao, China	May	Online, 1hour
Antibiotics, Antifungal, Antiviral, Chemotherapeutics	May-June	12 hours
Introduction of Pharmacology-Ocean University, Qingdao, China	June	Online, 1hour
Antibiotics, Antifungal, Antiviral, Chemotherapeutics	June	12 hours

Auburn University

Introduction to Undergraduate - PYDI 4980 006	Spring/Fall	1-3 hour/Week <i>(100% effort)</i>
Introduction to Undergraduate - PYDI 4980 10	Spring/Fall	1 hour/Week <i>(100% effort)</i>

- ✓ Introduction to Undergraduate Research for Honors College Student
- ✓ Honors Research Seminar: Natural Products and its impact on drug discovery for animal and human well
- ✓ Develop and Implement Bachelor of Science Degree Program in “Drug and Biopharmaceutical Sciences

Graduate Courses

Graduate Courses	Semester	Lecture hours/Week
Pharmacology Research Methods	Spring	2 hour/Week (3credit hour course: 66% effort)
Drug Discovery	Fall	0.5 hour/Week (3credit hour course: 10% effort)
Cellular & Molecular Pharmacology-1	Spring/ Fall	1 hour/Week (3credit hour course: 33% effort)
Cellular & Molecular Pharmacology-2	Spring/ Fall	1 hour/Week (3credit hour course: 33% effort)
Neuropharmacology	Fall	1 hour/Week (3credit hr course: 33% effort)
Pharmacology-1	Spring/ Fall	1 hour/Week (3credit hr course: 33% effort)
Pharmacology-2	Spring/ Fall	1 hour/Week (3credit hr course: 33% effort)
Directed Readings	Spring	1 hour/Week (3credit hr course: 33% effort)
Research and Dissertation	Spring/Fall Summer/Fall	3 hours/Week 1 hour/Week (100% effort)
Special Problems	Spring Summer Fall	3 hours/Week 1 hour/Week 1 hour/Week (100% effort)
Basic Pharmaceutical Science	Spring/Fall	4 hours/Week (4credit hour course: 25% effort)
Non-Thesis Research - DRDD 7980 02	Spring/Fall	1 hour/Week 1 hour/Week (100% effort)
Research and Thesis	Spring/Fall	1 hour/Week 1 hour/Week (100% effort)
Pharmacology Research Methods	Spring	3 hour/Week 3 hour/Week (100% effort)

Courses Taught as Visiting Professor in Foreign Countries:

- ✪ Neuropharmacology: (For P3 students), School of Medicine and Pharmacy - Ocean University of China, Qingdao.
- ✪ Cancer Therapy, School of Medicine and Pharmacy - Ocean University of China, Qingdao.
- ✪ Pharmacology: Alwar College of Pharmacy, Alwar, Rajasthan, India
 - ✓ Direct contact
 - ✓ Online lectures

Pharm. D Courses

Pharm. D Course	Semester	Lecture hours/Week
ILE-I ILE-II ILE-III ILE-IV ILE-V ILE-VI ILE-VII ILE-VIII	Spring/ Fall	2017/2018-Till Date
Drugs and Diseases-II	Spring/ Summer	2 hours/Week <i>(5credit hr course:40% effort)</i>
Pharmacy Practice Experience-I	Spring/ Fall	2 hours/Week <i>(2credit hr course:100% effort)</i>
Foundations of Pharmacy	Fall	0.1 Hours / Week <i>(1credit hr course:7% effort)</i>
Drugs and Diseases-III	Fall	2 hours/Week <i>(8credit hr course: 25% effort)</i>
Pharmacy Research - PYPD 9980 014	Spring/ Fall	1 hour/Week 1 hour/Week <i>(100% effort)</i>

Topics Taught in the New Pharmacy Curriculum

Integrated Learning Experience-ILE

- ✓ Constipation
- ✓ Diarrhea
- ✓ Hypersensitivity
- ✓ Gastroesophageal Reflux Disorder (GERD)
- ✓ Smoking Cessation
- ✓ Depression
- ✓ Cough
- ✓ Cold
- ✓ Sleep Disorders
- ✓ Men's Health
- ✓ Epilepsy
- ✓ Nausea / Vomiting
- ✓ Basic concepts of Neurotransmission

List of Students Graduated: Served as Major Professor

Name	Degree	Year	Current Position
Sindhu Ramesh	Ph.D.	2017-2022	Post-Doctoral Fellow, Auburn University Auburn, AL
Surekha Kadannagari	M.S	2020-2022	Scientist
Mohammad Almaghrabi	Ph.D.	2018-2021	Faculty, Saudi Arabia
Fada Alghenaim	M.S	2018-2020	Instructor, Saudi Arabia
Ming Liu	M.S	2018-2020	Scientist, Ocean University, China
Aisha Harshan	M.S	2018-2020	Staff Scientist
Mohammad Ali Majrashi	Ph.D.	2015-2019	Faculty
Mohammad Almaghrabi	M.S.	2016-2018	Faculty, Faculty of Medicine, Jeddah, Saudi Arabia / Graduate Student Auburn University, AL
Darshini Desai	M.S.	2016-2018	Graduate Student, Cincinnati, OH
Mohammad Ali Majrashi	M.S.	2015-2017	Faculty, Faculty of Medicine, Jeddah, Saudi Arabia / Graduate Student Auburn University, AL
Dwipayana Bhattacharya	Ph.D.	2013-2016	Post-Doctoral Fellow, University of Alabama Medical School, Birmingham, AL
Daniel Katz	M.S.	2014-2016	Research Scientist, Pharmaceutical university, Madison, WI
Aimen Shalgum	Ph.D.	2011-2016	Faculty, College of Pharmacy, Dubai, UAE
Mengyuan Zheng	M.S.	2011-2013	Graduate Student, Tulane University, New Orleans, LA
Manuj Ahuja	Ph.D.	2009-2013	Post-Doctoral Fellow, Department of Pharmacology and Toxicology, Augusta University Augusta, GA
Senthilkumar Karuppagounder	Ph.D.	2006-2009	Research Associate, Johns Hopkins Univ. School of Medicine Baltimore, MD
Uthayathas Subramaniam***	Ph.D.	2005-2009	Research Scientist, Howard University, Washington, DC
Bessy Thrash***	Ph.D.	2005-2009	Post-Doctoral Fellow, University of Alabama Medical School, Birmingham, AL

List of Students Graduated: Served as a Committee Member

Name	Degree	Year	Position Held
Sayak Chakravarthi	Ph.D.	2019-2022	Post-Doctoral Fellow
Euitaek Yang	Ph.D.	2019-2022	Post-Doctoral Fellow
Jaren Senfeld	Ph.D.	2019-2022	Post-Doctoral Fellow
Yi Shi	Ph.D.	2019-2022	Post-Doctoral Fellow
Shenqi Qian	Ph.D.	2019-2022	Post-Doctoral Fellow
Qianman Peng	Ph.D.	2017-2021	Post-Doctoral Fellow
Saud Alqahtani	Ph.D.	2017-2021	Faculty, Saudi Arabia
Saba Omer	Ph.D.	2017-2021	Faculty, Pakistan
Logan Neel (Baker)	Ph.D.	2017-2021	Post-Doctoral Fellow
Sharay Setti	Ph.D.	2017-2021	Post-Doctoral Fellow
Anna Huskey	Ph.D.	2017-2021	Post-Doctoral Fellow
Kodye Abbott	Ph.D.	2017-2020	Post-Doctoral Fellow
Manoj Govindarajulu	Ph.D.	2016-2020	Post-Doctoral Fellow
Priyanka Das Pinky	Ph.D.	2015-2020	Post-Doctoral Fellow
Lucy Darakjian	Ph.D.	2019-2020	Post-Doctoral Fellow
Jenna Bloemer	Ph.D.	2015-2019	Faculty
Thamer Alqurashi	Ph.D.	2015-2019	Faculty
Haley Beamon	M.S.	2017-2019	Vet. School
Youssef Mousa	Ph.D.	2017-2019	FDA scientist
Mohammed Zahid A Nasrullah	Ph.D.	2015-2019	Faculty
Yuling Han	Ph.D.	2015-2019	Post-Doctoral Fellow
Maali Faden	M.S.	2016-2018	Faculty

Bamidele Jeminiwa	M.S.	2017-2018	Graduate Student, Auburn University
Eiman Alsadah	M.S.	2016-2018	Graduate Student, Auburn University
Chuan Wang	Ph.D.	2014-2018	Post-Doctoral Fellow,
Vishal Kothari	Ph.D.	2013-2017	Post-Doctoral Fellow, UCSF
Ahmad Alhowail	Ph.D.	2013-2017	Faculty, Riyadh, Saudi Arabia
Abdullah F. Al Asmari	Ph.D.	2013-2017	Faculty, Riyadh, Saudi Arabia
Shravanthi Mouli	Ph.D.	2013-2017	Post-Doctoral Fellow
Lingxin Zhang	Ph.D.	2013-2017	Post-Doctoral Fellow
Subhrajit Bhattacharya	Ph.D.	2013-2016	Post-Doctoral Fellow, Emory University, Atlanta, GA
Yiwei Liu	Ph.D.	2011-2016	Post-Doctoral Fellow, St. Jude Children's Research Hospital, Memphis, TN
Svetlana Chesser	Ph.D.	2011-2014	Faculty, The University of Tennessee, Chattanooga
Engy Ali	Ph.D.	2009-2012	Faculty, Center for Aging and Associated Diseases, Helmy Institute of Medical Sciences, Zewail City of Science and Technology, Giza, Egypt
Manal Buabeid	Ph.D.	2009-2013	Assistant Professor, Faculty of pharmacy, Saudi Arabia
Gayani Nanayakkara	Ph.D.	2009-2013	Post-Doctoral Fellow, Temple University Philadelphia, PA,
Wangshu Ma	Ph.D.	2009-2014	Post-Doctoral Fellow, Northwestern University Feinberg School of Medicine, Chicago, IL 60611
Madhukar Lohani	Ph.D.	2009-2014	Professional Veterinarian, SteepleChase Veterinary Hospital, Cumming, GA
Gurkishan Singh Chadha	M.S.	2007-2009	Assistant Professor, College of Pharmacy, University of New England, MI
Brian Shonesy	Ph.D.	2007-2011	Research Fellow, Department of Molecular Physiology and Biophysics, School of Medicine Vanderbilt University, Nashville, TN
Sateesh kumar Sathigari	Ph.D.	2006-2009	Staff Fellow, FDA, Silver Spring MD 20993-0002

Kariharan Thiruchelvan	Ph.D.	2006-2009	University of Michigan Health System, Ann Arbor, MI
Catrina Simms	Ph.D.	2005-2008	Assistant Professor, Medical University of South Carolina, Charleston, SC 29425
Kodeeswaran Parameshwaran	Ph.D.	2005-2008	Assistant Professor, Biological & Environmental Sciences, Texas A & M Commerce, TX 75428
Nayana Wijayawardhane	Ph.D.	2005-2008	Head of the Department, Department of Basic Veterinary Sciences, University of Peradeniya, Peradeniya 20400, Sri Lanka

List of Current Graduate Students (2023)

2022-Present:	Naga Chandra Padmini Nukala
2021-Present	Keyi Liu
2021-Present	Suhrud Pathak
2020-Present	Salsabil Ahmed
2019-Present:	Kawsar Chowdhury
2019-Present	Manjusha Annaji
2019-Present	Ishwor Poudel
2017 -Present	Soweto Thomas (Tuskegee University)

List of Pharm. D / Undergraduate mentored:

- ✓ **2023-Present:** Jacoya Cartnail-Riddick
- ✓ **2023-Present:** Angeli'c Harris
- ✓ **2023- Present:** Dhingra, Jahnvi
- ✓ **2023- Present:** Stapleton, William M
- ✓ **2023- Present:** Tillinghast, Gabrielle C.
- ✓ **2023- Present:** Abercrombie, Abygail L.
- ✓ **2023- Present:** Alford, Gabriel C.
- ✓ **2023- Present:** Assad, Ariyanna I.
- ✓ **2023- Present:** Bennett, Natalie N.
- ✓ **2023- Present:** Byars, Margaret P.
- ✓ **2023- Present:** Carl, Bernadette E.
- ✓ **2023- Present:** Farmer, Ashleigh
- ✓ **2023- Present:** Freeman, Elizabeth J.
- ✓ **2023- Present:** Gomric, Rose M.
- ✓ **2023- Present:** Headman, Courtney E.
- ✓ **2023- Present:** Huynh, Jolene M.
- ✓ **2023- Present:** Johnson, Matthew E.
- ✓ **2023- Present:** Kalinowski, Stephanie E.
- ✓ **2023- Present:** Kim, Shannon
- ✓ **2023- Present:** Koscinski, Madelyn R.
- ✓ **2023- Present:** Lange, John B.
- ✓ **2023- Present:** Leeling, Caroline G.
- ✓ **2023- Present:** Litvak, Claire E.
- ✓ **2023- Present:** Lynn, Scott G.

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- ✓ **2023- Present:** Mai, Danica A.
 - ✓ **2023- Present:** Marshall, Lacey A.
 - ✓ **2023- Present:** Martin, Nicholas J.
 - ✓ **2023- Present:** McCain, Phillip P.
 - ✓ **2023- Present:** Milstead, Mckenzie G.
 - ✓ **2023-Present:** Mon, Nan Pyae
 - ✓ **2023- Present:** Patel, Krish C.
 - ✓ **2023- Present:** Ramapuram, Hariteja
 - ✓ **2023- Present:** Redden, Braxton A.
 - ✓ **2023- Present:** Reynolds, Zayrihah J.
 - ✓ **2023- Present:** Royston, Lillian X.
 - ✓ **2023- Present:** Thomas, Brandon J.
 - ✓ **2023- Present:** Walters, Carson C.
 - ✓ **2023- Present:** Ward, Kiersten E.
 - ✓ **2023- Present:** Welsh, Maxine E.
 - ✓ **2023- Present:** Williams, Mackenzie A.
 - ✓ **2023- Present:** Wilson, Parker A.
 - ✓ **2022- Present:** Assad, Ariyanna I.
 - ✓ **2022- Present:** Bennett, Natalie N.
 - ✓ **2022- Present:** Carl, Bernadette E.
 - ✓ **2022- Present:** Davis, Ian E.
 - ✓ **2022- Present:** Huang, Mandy
 - ✓ **2022- Present:** Kim, Shannon
 - ✓ **2022- Present:** Koscinski, Madelyn R.
 - ✓ **2022- Present:** Lusk, Rachel C.

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- ✓ **2022- Present:** Lynn, Scott G.
 - ✓ **2022- Present:** Marshall, Lacey A.
 - ✓ **2022- Present:** Martin, Nicholas J.
 - ✓ **2022- Present:** McCain, Phillip P.
 - ✓ **2022- Present:** Patel, Ishan H.
 - ✓ **2022- Present:** Patel, Krish C.
 - ✓ **2022- Present:** Ramapuram, Hariteja
 - ✓ **2022- Present:** Redden, Braxton A.
 - ✓ **2022- Present:** Royston, Lillian X.
 - ✓ **2022- Present:** Schell, Holland E.
 - ✓ **2022- Present:** Thomas, Brandon J.
 - ✓ **2022- Present:** Williams, Mackenzie A.
 - ✓ **2022- Present:** Wilson, Parker A.
 - ✓ **2022- Present:** Gabriel C. Alford
 - ✓ **2022- Present:** Ensley E. Craven
 - ✓ **2022- Present:** Ashleigh Farmer
 - ✓ **2022- Present:** Madelyn R. Koscinski
 - ✓ **2022- Present:** Nicholas Martin
 - ✓ **2022- Present:** Moly Smith
 - ✓ **2021-2022:** Jahnvi Dhingra
 - ✓ **2021-2022:** Nuri Fatema
 - ✓ **2021-2022:** Bailey Blake
 - ✓ **2021-2022:** Dylan Bowen
 - ✓ **2021-2022:** Destin Davis
 - ✓ **2021-2022:** Kruthi Gopal

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- ✓ **2021-2022:** Anne Hooper
 - ✓ **2021-2022:** Payton Lowery
 - ✓ **2021-2022:** Rachel Lusk
 - ✓ **2021-2022:** Lillian Royston
 - ✓ **2021-2022:** Holland Schell
 - ✓ **2021-2022:** Brandon Thomas
 - ✓ **2021-2022:** Ayeh Trish
 - ✓ **2021- Present** Parker Wilson
 - ✓ **2021-2022:** BreAnna L.Gross
 - ✓ **2020- 2021:** Annie E. Lee
 - ✓ **2020- 2021:** Ryan P. McGill
 - ✓ **2020- 2021:** Grace A. McKerley
 - ✓ **2020- 2021:** Kassandra M. Mentlick
 - ✓ **2020- 2021:** Kelsey E. Schoenmeyer,
 - ✓ **2020- 2021:** Anna C. Solomonik
 - ✓ **2020- 2021:** Ayeh A. Trish
 - ✓ **2020- 2021:** Hariteja Ramapuram
 - ✓ **2020- 2021:** Dylan Bowen
 - ✓ **2020- 2021:** Brylee Burch
 - ✓ **2020- 2021:** Payton Lowery
 - ✓ **2020- 2021:** Molly Smith
 - ✓ **2019-2020** Abernathy, Brianna L.
 - ✓ **2019-2020** Fabbrini, Mary L.
 - ✓ **2018-2019** Abby Putz
 - ✓ **2018-2019** Taylor Houlihan

✓ 2018-2019	Megan Waguespack
✓ 2018-2019	Sydney O Brien
✓ 2018-2019	Kasandra Watson
✓ 2018-2019	Darby Dwyer
✓ 2018-2019	Katie Swartz
✓ 2018-2019	Zach Pouncey
✓ 2018-2019	Caroline Amerson
✓ 2018-2019	Jordan George
✓ 2018-2019	Mary Claire Carlton
✓ 2018-2019	Shan'Teria Taylor
✓ 2018-2019	Sam Storey
✓ 2018-2019	Ashlynn Clark
✓ 2018-2019	Sarah Moss
✓ 2018-2019	Prem Patel
✓ 2018-2019	Hannah Monroe
✓ 2018-2019	Uma Patel
✓ 2018-2019	Rachel Rusk
✓ 2018-2019	Priyanka (Nikki) Ahuja
✓ 2018-2019	Amanda Hinten
✓ 2018-2019	Spencer MacLeod
✓ 2018-2019	Soorya Rajendran
✓ 2018-2019	Jack Schwartz
✓ 2018-2019	Allis Hamby
✓ 2017-2018	Julia Dickenson
✓ 2017-2018	Jake Heiner

✓ 2017-2018	Lukas Segroves
✓ 2017-2018	Kendall Baecher
✓ 2017-2018	Brian Lee
✓ 2017-2018	Bethany Burgess
✓ 2017-2018	Kavon Diggs
✓ 2016 - 2017	Caroline Jackson
✓ 2016 - 2017	Kayla Jennings
✓ 2016 - 2017	Saloni Merchant
✓ 2016 - 2017	Bailee-Ryan Crump
✓ 2016 - 2017	Ayaka Fujihashi
✓ 2016 - 2017	Marlee Morgan
✓ 2016 - 2017	Harrison Hightower
✓ 2016 - 2017	Joseph Anderson
✓ 2016 - 2017	Eddie Fahoury
✓ 2016 - 2017	Michael Jacobs
✓ 2016 - 2017	Haley Beamon
✓ 2016 - 2017	Claire Mullins
✓ 2016 - 2017	Neema Ashou
✓ 2016 - 2018	Tyler Lynd
✓ 2016 - 2017	Gwyneth Briggs
✓ 2016 - 2017	Danielle Adamek
✓ 2016 - 2017	Ellery Jones
✓ 2015 - 2016	Jenna Lee
✓ 2015 - 2016	Rachel Howorth
✓ 2015 - 2016	Regan Wade

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|---------------|------------------|
| ✓ 2015 - 2016 | Kathryn Chappell |
| ✓ 2014 - 2016 | Mansi Patel |
| ✓ 2009 - 2010 | Prithal Patel |
| ✓ 2009 - 2010 | Mira Patel |
| ✓ 2009 - 2010 | Pratyusha Patel |
| ✓ 2008 - 2010 | Siebel Tamer |
| ✓ 2007 - 2008 | Ragav Patel |
| ✓ 2007 - 2008 | Sonam Sayania |

Faculty Advisor for Pharm.D Students

- ✓ Andrea Foster
- ✓ Tessa Slota
- ✓ Sarah Montgomery
- ✓ Shelley Bankston
- ✓ Phillip Scott Norris
- ✓ Benjamin Ward
- ✓ Kareem Griffith
- ✓ Kristina Gill

Pharmacy Patient Experience (PPE) Mentor

2006-2007

- ✓ Bordelon, Emillie
- ✓ Barnes, Keri
- ✓ Tompson, Krisan
- ✓ Gentry, Phil
- ✓ Popwel, Mark
- ✓ Fitzpatrick, Maria
- ✓ Albritton, Valerie
- ✓ Mcalsiter, Matt
- ✓ Ingram, Kim
- ✓ Whitaker, Chip
- ✓ Gardner, Amanda
- ✓ Alexander, Katrin
- ✓ Ervin, Calvin
- ✓ Lamb, Carson
- ✓ Nichols, Lindsay
- ✓ Smith, Wesley

2007-2008

- ✓ Jonathan Burgess
- ✓ Mary Gentry
- ✓ Kristen Green
- ✓ Leah Lambert
- ✓ Wesley Smith
- ✓ Jessica Williams
- ✓ Katrin Alexander
- ✓ Lawrence Ervin
- ✓ Carson Lamb
- ✓ Lindsay Nichols
- ✓ Bordelon, Emillie
- ✓ Barnes, Keri
- ✓ Tompson, Krisan
- ✓ Gentry, Phil
- ✓ Popwel, Mark

2008-2009

- ✓ Johanna Underwood
- ✓ Jonathan Burgess
- ✓ Katrin Alexander
- ✓ Moses Igamba
- ✓ Mary Gentry
- ✓ Lawrence "Calvin" Ervin
- ✓ Wade Moore
- ✓ Courtney "Kristen" Green
- ✓ Carson Lamb
- ✓ Courtney Whitehead
- ✓ Leah Lambert
- ✓ Lindsay Nichols
- ✓ Daniel Diermayer
- ✓ Wesley Smith
- ✓ Alisha Pike
- ✓ Jessica Williams

2009-2010

- ✓ Courtney Watts
- ✓ Alisha Pike
- ✓ Jessica Williams
- ✓ Erin Archibald
- ✓ Courtney Whitehead
- ✓ Jonathan Burgess
- ✓ Katherine Kirby
- ✓ Daniel Diermayer
- ✓ Courtney Kristen Green
- ✓ Lauren Teitge

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- ✓ Johanna Underwood
 - ✓ Leah Lambert
 - ✓ Rebecca Notar
 - ✓ Moses Igamba
 - ✓ Mary Gentry
 - ✓ Sarah Vest
 - ✓ Wade Moore
 - ✓ Wesley Smith
 - ✓ Ted McKinley

2010-2011

- ✓ Brittany Eckl
- ✓ Courtney Watts
- ✓ Alisha Pike Kirby
- ✓ EeVonn Yong
- ✓ Erin Archibald
- ✓ Courtney Whitehead
- ✓ Grant McGuffey
- ✓ Katherine Kirby
- ✓ Daniel Diermayer
- ✓ Monica Postage
- ✓ Lauren Teitge
- ✓ Johanna Underwood
- ✓ Sean Swieczkowski
- ✓ Rebecca Notar
- ✓ Moses Igamba
- ✓ Steven Atchison
- ✓ Sarah Vest
- ✓ Ted McKinley

2011-2012

- ✓ Charlie Hilb
- ✓ Brittany Eckl
- ✓ Courtney Watts
- ✓ Courtney Brdlik
- ✓ EeVonn Yong
- ✓ Erin Archibald
- ✓ Jerry Twiggs
- ✓ Grant McGuffey
- ✓ Katherine Kirby
- ✓ Kara Rich
- ✓ Monica Postage
- ✓ Lauren Teitge
- ✓ Tainashia Kegler
- ✓ Sean Swieczkowski
- ✓ Rebecca Notar
- ✓ Steven Atchison
- ✓ Sarah Vest
- ✓ Ted McKinley

2012-2013

- ✓ Brittany Eckl
- ✓ Courtney Watts
- ✓ Alisha Pike Kirby
- ✓ EeVonn Yong
- ✓ Erin Archibald
- ✓ Courtney Whitehead
- ✓ Grant McGuffey
- ✓ Katherine Kirby
- ✓ Daniel Diermayer
- ✓ Monica Postage
- ✓ Lauren Teitge
- ✓ Johanna Underwood
- ✓ Sean Swieczkowski
- ✓ Rebecca Notar
- ✓ Moses Igamba
- ✓ Steven Atchison
- ✓ Sarah Vest
- ✓ Ted McKinley

2013-2014

- ✓ Abdollahi, Aariane
- ✓ Adrian Stephens
- ✓ Courtney Brdlik
- ✓ Brown, Hilary Ann
- ✓ Aimee Patterson
- ✓ Jerry Twiggs
- ✓ Le, Kanittha "Katie"
- ✓ Jillian Jacobs
- ✓ Kara Rich
- ✓ Parker, Marian McClellan
- ✓ Morgan Gwynn
- ✓ Tainashia Kegler
- ✓ Wintzinger, Chelsea Nicole
- ✓ Tyler Dalton

2014-2015

- ✓ Barnett, Octavian Lawrence
- ✓ Abdollahi, Aariane
- ✓ Dalton, Tyler
- ✓ Eagle, Nicole Marie
- ✓ Brown, Hilary Ann
- ✓ Gwynn, Morgan
- ✓ Lawrence, Laura Elswick
- ✓ Le, Kanittha "Katie"
- ✓ Jacobs, Jillian
- ✓ Keith, Erica Dawn
- ✓ Wintzinger, Chelsea Nicole
- ✓ Patterson, Aimee

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- ✓ Rambacher, Nathaniel
 - ✓ Stephens, Adrian
 - ✓ Weber, Erinne Cassidy

2015-2016

- ✓ Brown, Tyrome
- ✓ Barnett, Octavian
- ✓ Abdollahi, Aariane
- ✓ Herr, Kristen
- ✓ Keith, Erica
- ✓ Brown, Hilary
- ✓ Morris, Jr., Patrick
- ✓ Lawrence, Laura
- ✓ Le, Kanittha
- ✓ Osmonson, Alyssa
- ✓ Rambacher, Nathaniel
- ✓ Wintzinger, Chelsea
- ✓ Villagrana, Melissa
- ✓ Weber, Erinne
- ✓ Whitman, Christopher

2016-2017

- ✓ Rusk, Rachel
- ✓ Brown, Tyrome
- ✓ Barnett, Octavian
- ✓ Patel, Uma
- ✓ Herr, Kristen
- ✓ Lawrence, Laura
- ✓ Allums, Brittany
- ✓ Morris, Jr., Patrick
- ✓ Rambacher, Nathaniel
- ✓ Sabbagh, Benjamin
- ✓ Osmonson, Alyssa
- ✓ Weber, Erinne
- ✓ Sidwell, Walter
- ✓ Villagrana, Melissa
- ✓ Kim, Sunhyeong
- ✓ Whitman, Christopher

2017-2018

- ✓ Black, Hannah Elizabeth
- ✓ Allums, Brittany
- ✓ Brown, Tyrome
- ✓ DeGrood, Nicholas Lou
- ✓ Patel, Uma
- ✓ Herr, Kristen
- ✓ Lee, Hayden Nicole

-
- ✓ Rusk, Rachel
 - ✓ Morris, Jr., Patrick
 - ✓ Patten, Michelle Aneesah
 - ✓ Sabbagh, Benjamin
 - ✓ Osmonson, Alyssa
 - ✓ Robertson, Ashley Taylor
 - ✓ Sidwell, Walter
 - ✓ Villagrana, Melissa
 - ✓ Whitman, Christopher

Mentoring in Village:

2020-2021

- ✓ Paschal, AnnaClaire
- ✓ Frangipane, Clay
- ✓ Huneck, Jessie
- ✓ Hughes, Cecilia
- ✓ Stallworth, Timara
- ✓ Lightle, Samantha (Sam)
- ✓ Stauter, Corbin

2021-2022

- ✓ Evans, Darcie
- ✓ Huckabee, Anna
- ✓ Ochoa, Nicolas
- ✓ Maynard, James

Pharm. D Students: Mentored Research

- ✪ 2019 (Spring): Courtney Hamby
- ✪ 2019 (Fall): Anna Kathryn Priest
- ✪ 2019 (Fall): Alexis Kozar
- ✪ 2019 (Fall): Katherine Bricco
- ✪ 2019 (Fall): Jayson Hairston
- ✪ 2020 (Spring): Katherine Bricco
- ✪ 2020 (Fall): Cecilia Hughes
- ✪ 2020 (Fall): Wyvolyn Kirkland
- ✪ 2020 (Fall): Timara Stallworth
- ✪ 2020 (Fall): Rachel Parise

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- ✦ 2021 (Spring): Austin Moore
 - ✦ 2021 (Spring): Caroline Jackson
 - ✦ 2021 (Spring): Claire Hiott
 - ✦ 2021 (Spring): Danielle Wilson
 - ✦ 2021 (Spring): Jessica Canaday
 - ✦ 2021 (Spring): Kate Dorsten
 - ✦ 2021 (Spring): Mallory McClung
 - ✦ 2021 (Spring): Vindhya Basetty
 - ✦ 2021 (Fall): Evan Lawson
 - ✦ 2021 (Fall): Duley Summer
 - ✦ 2022 (Spring): Bhavik C. Patel
 - ✦ 2022 (Fall): Beasley, Malcolm N.
 - ✦ 2022 (Fall): Johnson, Mary K.
 - ✦ 2022 (Fall): Labeau, Samantha J.
 - ✦ 2022 (Fall): Patel, Bhavik C.
 - ✦ 2022 (Fall): Patel, Shreya N.
 - ✦ 2022 (Fall): Smith, Stephen A.
 - ✦ 2022 (Fall): Wallace, Caleigh M.
 - ✦ 2023 (Spring): Rachel Parise
 - ✦ 2023 (Spring): Vindhya Basetty
 - ✦ 2023 (Spring): Shreya Patel
 - ✦ 2023 (Spring): Katie Couture

International Students mentored and trained for Research: 2022
Discipline of Pharmacy, Graduate School of Health,
University of Technology Sydney, 100 Broadway, Broadway, Sydney, New South Wales,
2007, Australia

- ✧ Michael Chan
- ✧ Sanshya Rebeiro
- ✧ Ispahan Irfan
- ✧ Eamen Khair
- ✧ Annabel Sidgreaves
- ✧ Natasha Padilla
- ✧ Gabriele De Rubis
- ✧ Chloe Ghadieh
- ✧ Chanice Begue
- ✧ Adam Nachabeh
- ✧ Neeshan Sanganathan
- ✧ Nour Hodroj
- ✧ Swarnika Rajasekar
- ✧ Shriya Kamboj

Courses and Curricula developed.

Pharm. D Courses:

Helped to develop and improvise the below courses:

- ✓ Drugs and Diseases-II
- ✓ Drugs and Diseases-III
- ✓ ILE-1: Constipation and Diarrhea
- ✓ ILE-1: Hypersensitivity reactions
- ✓ ILE-2: Smoking Cessation
- ✓ ILE-3: GERD
- ✓ ILE-4: OTC Cough and Cold
- ✓ IE-5: Neuropsychiatric disorders
- ✓ ILE-5: Depression
- ✓ ILE-6: Nausea and Vomiting
- ✓ ILE-7: Cough and Cold
- ✓ ILE-8: Men's Health
- ✓ ILE-8: Epilepsy

Graduate Courses:

Helped to develop 4 new graduate courses:

- ✓ Pharmacology-I

- ✓ Pharmacology-II

- ✓ Cellular and Molecular Pharmacology: I

- ✓ Cellular and Molecular Pharmacology: II

- ✓ Basic Pharmaceutical Science: I

- ✓ Basic Pharmaceutical Science: II

Undergraduate Courses:

- ✓ Honors College Undergraduate Course- Fall

- ✓ Honors College Undergraduate Course-Spring

- ✓ B.S. Drugs and Biopharmaceutical Sciences

Publications pertaining to teaching:

Dhanasekaran, M. Training for Pharmacy Teachers – “New Methodology & Avenues”. 2nd Association of Pharmaceutical Teachers of India, Rajasthan, RAJAPTICON, 2016.

Invited Lectures on Teaching

- ✪ “Teaching” Or “Student Learning”-The Way to the Future, School of Medicine and Pharmacy, Ocean University, Qingdao, China, 2018

- ✪ Why Auburn University for my Scientific Future: A novel 3+2 program, School of Medicine and Pharmacy, Ocean University, Qingdao, China, 2018

- ✪ Auburn & Ocean University Educational and Scientific Collaboration, School of Medicine and Pharmacy, Ocean University, Qingdao, China, 2018

- ✪ Recruitment of students for our graduate program from Ocean University, School of Medicine and Pharmacy, Ocean University, Qingdao, China, 2018

Other Contributions to Teaching:**Invited Lecturer for neuropharmacology in the following Pharmacy schools:**

- ✪ School of Pharmacy, Concordia University, Wisconsin
- ✪ College of Pharmacy, University of New England, Maine
- ✪ School of Medicine and Pharmacy, Ocean University, Qingdao, China

Pharmacy educational advisory council in the following Pharmacy schools:

- ✪ Alwar Pharmacy College, Alwar, Rajasthan, India
- ✪ Dept. of Pharmaceutical Technology, Anna University of Technology, Tiruchirappalli-620024, Tamil Nadu, India

Service

Auburn University Committee
Harrison School of Pharmacy Committee
Other National and International Service

Auburn University Committee

2023-present

Senator, Auburn University

Patent and Invention Disclosure Committee

Campus Health and Wellness Committee (Chair), Auburn University

Intercollegiate Athletics Committee, Auburn University

Faulty Dismissal Hearing Committee (Chair), Auburn University

Appeal Committee for Promotion and Tenure, Auburn University

Faculty Nomination Committee, Auburn University

IACUC Committee, Auburn University

Committee to Initiate and develop draft guidelines for administrators that address FMLA leave and the opt-in COVID tenure extension

Food Insecurity Coalition Committee

Honor Board

College of Engineering, Dean's Search Committee, Senate Appointment

Judge, Auburn University Research Symposium, 2022, Auburn University

Reviewer, Research Support Program (RSP) - Auburn University

Judge, 14th Annual Boshell Research Day, Auburn University, The Boshell Research Program, Research Day at Marriott Resort Auburn-Opelika Grand National, AL

2021-2022

CCGEC Course Inclusion, Sub-Committee, Auburn University

Insurance & Benefits Sick Leave Donation Bank Plan, Sub-Committee, Auburn University

	Departmental Award for Excellence in Education (DAEE), Auburn University
	Award Revision Committee, Auburn University, Auburn University
	Judge, College of Science and Mathematics (COSAM) Research Fair, Auburn University
	Judge, The Edward Via College of Osteopathic Medicine (VCOM), Research Fair
	Auburn University "Quality Enhancement Plan" Advisory Council, Auburn University
	Judge, Auburn University Research Symposium, 2022, Auburn University
	Judge, Technological Advances in Science, Medicine, and Engineering Conference, TASME, 2022
2019-2020	Appeal Committee for Promotion and Tenure
	Search Committee, Executive Director, Biggio Center
	Insurance & Benefits Sick Leave Donation Bank Plan, Sub-Committee
	CCGEC Course Inclusion, Sub-Committee
	SETs and Faculty Handbook Edits, Committee
	IGP grant Reviewer
	Faculty Handbook Committee
	Promotion and Tenure Committee
2018 - 2019	Faculty Grievance Committee
2018 - Present	Teaching Effectiveness Committee
2018 - Present	Core Curriculum and General Education Committee
2018 - Present	Academic Program Review Committee
2017 - Present	Patent and Invention Disclosure Committee
2017 - Present	Insurance and Benefits Committee

2017 - 2018	Faculty Grievance Committee (Chair-Elect)
2016 - 2017	Faculty Success Implementation Committee
2015 -2018	Traffic Appeal Committee
2015 - 2017	Teaching Effectiveness Committee
2015 - 2016	Faculty Grievance Committee (Chair)
2014 - 2015	Faculty Grievance Committee (Chair-Elect)
2013 - 2018	University Curriculum Committee
2013 - 2016	University Senate
2012 - 2014	Faculty Advisor Award Committee
2009 - 2010	Faculty Dismissal Hearing Committee
2007 - Present	University Faculty Campaign

Additional service on Auburn University Committees

2018 - 2019	Senate ad hoc committee assessing our Grievance and Dismissal Procedures
2011 - Present	Judge for Graduate Seminar Series
2013 - Present	Judge for 3 Minute thesis presentations

Harrison School/College of Pharmacy Committees:

2023	HCOP Core Values Team Committee
2022	Chair, Honors and Awards Committee, Department of Drug Discovery and Development
2020-Present	Honor Board
2018-Present	Learning Community-3
2017 - Present	College of Psychiatric and Neurologic Pharmacists (CPNP), Faculty Advisor
2016 - Present	HSOP Assessment Committee

2007 - Present	Faculty Advisor, Phi Delta Chi (Professional pharmacy fraternity)
2015 - 2016	HSOP Space, Facilities, and Safety
2013 - 2015	HSOP Admission Committee
2013 - 2014	HSOP Scholarship Committee
2013 - 2014	HSOP Strategic Planning Committee
2010 - 2013	Awards Committee
2009 - 2014	Hargraves Faculty Mentor Award Committee (Chair, 2014)
2011 - 2012	HSOP Web Site Improvement Task Force (Chair)
2006 - 2009	Committee for Admission & Academic Requirements (CAAR)
2009 - 2013	Committee for Academic Requirements and Professionalism (CARP)
2006 - 2007	Awards Committee
2006 - 2008	Honor Board Committee
2005 - 2006	Professional Education Committee (PEC)

Other Service to HSOP

Training Auburn High School / AU freshman students on Basic concepts of Research, Pharmacy Camp, 2021, HSOP, Auburn University

Recruitment for Foreign Students

Recruiting foreign students to Graduate Program, HSOP, AU - Introduction to 3.5 +1.5 BS - MS Program

Continuing Education (CE) Programs:

- ☛ Consultant Update and Therapeutics Conference, AU Harrison School of Pharmacy, July 12-13, 2008
 - ☛ Consultant Update and Therapeutics Conference, AU Harrison School of Pharmacy, August 8-10, 2008
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Journal Reviewer:

- ✧ Alzheimer's
- ✧ Antioxidants
- ✧ Applied Cell Biology
- ✧ Applied Clinical Research, Clinical Trials, and Regulatory Affairs
- ✧ BBA - Molecular Basis of Disease
- ✧ Behavioral Brain Research
- ✧ Biomedical and Environmental Sciences
- ✧ Biomolecules (ISSN 2218-273X)
- ✧ BMC (Biomedical central journals)
- ✧ BMJ
- ✧ Brain Research
- ✧ Brain Research Bulletin
- ✧ Brain Sciences
- ✧ Cancer Management and Research
- ✧ Clinical and Experimental Pharmacology and Physiology
- ✧ Current Alzheimer Research
- ✧ Current Neuropharmacology
- ✧ Expert Opinion on Drug Discovery
- ✧ FASEB
- ✧ Free Radical Biology and Medicine
- ✧ International Journal of Applied Science and Engineering
- ✧ International Journal of Applied Research on Medicinal Plants
- ✧ International Journal of Carcinogenesis and Mutagenesis
- ✧ International Journal of Developmental Neuroscience
- ✧ International Journal of Molecular Sciences
- ✧ Journal of Chemical Neuroanatomy
- ✧ Journal of Clinical Medicine
- ✧ Journal of Exploratory Research in Pharmacology
- ✧ Journal of Molecular Liquids
- ✧ Journal of Traditional and Complementary Medicine
- ✧ Life Sciences
- ✧ Medicines
- ✧ Metabolic Brain Disease
- ✧ Natural Product Communication
- ✧ Neurobiology of Disease
- ✧ Neurochemical Research
- ✧ Neurochemistry International
- ✧ Nutritional Neuroscience
- ✧ Obesity Reviews
- ✧ Pharmaceutics
- ✧ Pharmacology and Physiology
- ✧ Phytomedicine
- ✧ Phytotherapy Research
- ✧ Planta Medica
- ✧ PLOS One
- ✧ Progress in Neurobiology
- ✧ Saudi Journal of Biological Sciences
- ✧ Toxicology Mechanisms and Methods

Grant Reviewer:

- ✦ National Institute of Health
- ✦ National Alzheimer's Association
- ✦ Auburn University IGP
- ✦ Reviews of health research grants on behalf of the Pennsylvania Department of Health (PA DOH)
- ✦ Kuwait University
- ✦ King Saud University, KSA
- ✦ Umm Al Qura University - Makkah

Professional Educational Service:

✦ **Viva Voce Examiner**

- JSS Academy of Higher Education & Research, Mysuru-570015

✦ **Auburn University Thesis Reviewer**

✦ **International External Thesis and Book Reviewer:**

- ✓ Book Proposal Reviewer:
 - Elsevier
 - Springer
- ✓ Master's thesis
 - Auburn University
- ✓ Ph. D thesis:
 - Aligarh Muslim University, Aligarh, Uttar Pradesh, India
 - Anna University, Chennai, Tamil Nadu, India
 - Annamalai University, Annamalai Nagar, Tamil Nadu, India
 - Avinashilingam University for Women, Coimbatore, Tamilnadu
 - JSS college, Ooty, Tamil Nadu, India
 - Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, Tamil Nadu, India
 - National Institute of Pharmaceutical Education and Research (NIPER), Kolkatta, West Bengal, India
 - Sri Ramachandra University, Chennai, Tamil Nadu, India

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- Vel University, Chennai, Tamil Nadu, India
 - The Tamil Nadu Dr. M.G.R. Medical University
 - Madras Medical College, Chennai, Tamil Nadu, India
 - PRIST University, Tamil Nadu, India
 - University of Technology Sydney (UTS), Australia
 - Bharath Institute of Higher Education and Research. Higher educational institution in Chennai, India
 - SASTRA Deemed University, Thanjavur-613 401, India

Professional Membership

2007 - Present	Member, Society of Toxicology
2002 - Present	Member, Society for Neuroscience
1996 - 1998	Member, Neuroscience Society of India
1988 - 1994	Member, Indian Pharmaceutical Congress

Member of Search Committee:

- ✦ Committee to Appoint, Chair of the Drug Education/Testing Advisory Group, Auburn University
- ✦ Post-Doctoral Fellow, Department of Drug Discovery and Development, Harrison School of Pharmacy, Auburn University
- ✦ Associate Dean, Office of Teaching and Learning Assessment, Harrison School of Pharmacy, Auburn University
- ✦ Assistant Director, Office of Teaching and Learning Assessment, Harrison School of Pharmacy, Auburn University
- ✦ Faculty, Pharmacy Practice, Harrison School of Pharmacy, Auburn University
- ✦ Faculty, Health Outcome and Research Policy, Harrison School of Pharmacy, Auburn University
- ✦ Staff, Harrison School of Pharmacy, Auburn University
- ✦ Associate Dean for Education, Harrison School of Pharmacy, Auburn University

Outreach Activities

✦ Outreach Activities



Outreach Activities

- ✪ **2023:** Participation of Auburn University in IPGA-50, Golden Jubilee celebrations, New Delhi, India.
- ✪ **2023:** Meeting and Discussion on Future Possible Teaching, Research, and Outreach Collaborations, Faculty of Allied Health Sciences, University of Peradeniya, Augusta Hill, Peradeniya, Sri Lanka, June-2023.
- ✪ **2023:** Meeting and Discussion on Future Possible Teaching, Research, and Outreach Collaborations, Institute for Research and Innovation, Villa College, Male', Maldives, June-2023.
- ✪ **2023:** Meeting and Discussion on Future Possible Teaching, Research, and Outreach Collaborations, Sabaragamuwa University of Sri Lanka, P.O. BOX 02, BELIHULOYA – 70140, Sri Lanka, June-2023.
- ✪ **2023:** Collaborative Scientific, and Outreach project, Jagadguru Sri Shivarathreeshwara (JSS) Academy of Higher Education and Research, Udhagamandalam - 643 001, Tamil Nadu State, India
- ✪ **2023:** Collaborative Scientific, and Outreach project, Alwar Pharmacy College, Alwar, Rajasthan, India
- ✪ **2023:** Collaborative Scientific, and Outreach project, Jagadguru Sri Shivarathreeshwara (JSS) Academy of Higher Education and Research, Mysuru 575015, Karnataka State, India
- ✪ **2023:** Collaborative Scientific, and Outreach project, Inkarp instruments Pvt Ltd Branch manager, Mr. Valentine Gerald Anand, Chennai, India
- ✪ **2023:** Collaborative Academic, Scientific, and Outreach project, SRI BALAJI VIDYAPEETH (Deemed to be University), Dr. Reeta Vijayarani, Mrs. Kirupa Mohandas, Trichirapalli, Tamilnadu, India
- ✪ **2023:** Collaborative Scientific, and Outreach project, Oman Universities and Pharmacies, Mr. TP. Sreenivasan, Chennai, India
- ✪ **2023:** Collaborative Academic, Scientific, and Outreach project, Indian Pharmacy Graduate Association (IPGA), Dr. Atul Nasa, New Delhi, India
- ✪ **2023:** Collaborative Academic, Scientific, and Outreach project, University of Patanjali (UoP), Dr. Vedapriya Arya, Patanjali Yog Peeth, Roorkee-Haridwar Road, Haridwar, Uttarakhand, India
- ✪ **2023:** Collaborative Academic, Scientific, and Outreach project, Anand College of Pharmacy (ACP), Prof. (Dr.) Gyanendra Kumar Sharma, Agra, Uttar Pradesh, India
- ✪ **2023:** Collaborative Academic, Scientific, and Outreach project, Shree Guru Gobind Singh Tricentenary (SGT) University, Dr. Vijay Bhalla, Budhera, Gurugram district, Haryana, India

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- ✧ **2023:** Collaborative Academic, Scientific, and Outreach project, PepsiCo Bev India Business Unit, Mr. JSK. Srinivasan, Gurugram, Gurugram district, Haryana, India
 - ✧ **2022:** Collaborative Outreach project, Hamid Bin Khalifa University, Education City, Doha, Qatar
 - ✧ **2022:** Collaborative Outreach project, Geetanjali University, Udaipur, Rajasthan, India
 - ✧ **2022:** Collaborative Outreach project, Bhupal Nobles' University, Udaipur, Rajasthan, India
 - ✧ **2022:** Collaborative Outreach project, Nims University, Jaipur, Rajasthan, India
 - ✧ **2022:** Collaborative Outreach project, All India Society for Advance Education and Research, Alwar, Rajasthan, India
 - ✧ **2022:** Collaborative Outreach project, K. R. Mangalam University, Gurgaon, Haryana, Delhi NCR
 - ✧ **2022:** Collaborative Outreach project, SRM College of Pharmacy, Tamil Nadu, India
 - ✧ **2022:** Collaborative Outreach project, Ocean University, China
 - ✧ **2021:** Collaborative Outreach project, Alwar College of Pharmacy, Rajasthan, India
 - ✧ **2020-Present:** Student and Faculty Pharmacy Enrichment program, University of Cape Coast, Ghana
 - ✧ **2020-Present:** Student and Faculty Pharmacy Enrichment program, JSS College Ooty, Tamil Nadu, India (Initiating an MOU)
 - ✧ **2020-Present:** National Institute of Pharmacy Education and Research (NIPER), Kolkatta, West Bengal, India (Initiating an MOU)
 - ✧ **2020-Present:** Student and Faculty Pharmacy Enrichment program, University of Jaffna, Sri Lanka (Initiating an MOU)
 - ✧ **2019-Present:** Student and Faculty Pharmacy Enrichment program, SRM College of Pharmacy, SRM Institute Science and Technology, Kattankulathur – 603 203. (Initiating an MOU)
 - ✧ **2018-Present:** Student and Faculty Pharmacy Enrichment program, Alwar College of Pharmacy, Alwar, Rajasthan, India (Initiating an MOU)
 - ✧ **2018-Present:** President, Indian Cultural Association of East Alabama (ICAEA)
 - ✧ **2018 - Present** Recruiting Foreign Graduate Students to HSOP
 - ✧ **2014-2016:** Vice-President, Indian Cultural Association of East Alabama (ICAEA)
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- 🌟 **2013-2014:** Prepared and coached 4th and 5th graders team for Science Olympiad (National champions team – 2014)
 - 🌟 **2005-Present:** Actively involved in Parkinson’s disease support group
 - 🌟 **2005-Present:** Lectures on new drugs for Parkinson’s disease, Parkinson’s Disease Group, Alabama

Initiating and Promoting Outreach Partnership

United Arab Emirates

- ✓ College of Pharmacy, Ajman University, Al jerf 1 - Ajman - United Arab Emirates, United Arab Emirates

China

- ✓ School of Medicine and Pharmacy, Qingdao, Ocean University of China

Canada

- ✓ Technological Advances in Science, Medicine, and Engineering (TASME) meeting, Toronto, Canada, 2022
- ✓ Technological Advances in Science, Medicine, and Engineering (TASME) meeting, Toronto, Canada, 2021

India

- ✓ Visit Abroad Program, Auburn University Outreach Activity, SUNRISE NATUROPATHY RESORTS & HOSPITALS, JAIPUR, India.
- ✓ World’s Largest Pharmaceutical Sciences Conference, Indian Pharmaceutical Sciences Conference, Sri Ramachandra Institute of Higher Education and Research, Chennai,
- ✓ Surya School of Pharmacy, Vikravandi, Villupuram, Tamil Nadu - 605 652.
- ✓ SRM Institute of Science and Technology, Kattankulathur, Chengalpattu, Tamil Nadu, India
- ✓ Maharaja Agrasen School of Pharmacy, Maharaja Agrasen University, Baddi, Himachal Pradesh, India
- ✓ Association of Pharmaceutical Teachers of India (APTI), Rajasthan, India
- ✓ K.R. Mangalam University, Gurugram, Haryana, India.
- ✓ Alwar Pharmacy College, and the Managing Society.

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- ✓ Seventh Convocation of Rajasthan University of Health Sciences, Jaipur, Rajasthan, India
 - ✓ Delhi Pharmaceutical Sciences and Research University (DPSRU), Department of Pharmaceutical Chemistry, PushpVihar, New
 - ✓ MESCO Institute of Pharmacy, Amroha, Uttar Pradesh, India.
 - ✓ Sankaralingam Bhuvaneshwari college of pharmacy, Sivakasi, Tamil Nadu, India
 - ✓ College of Pharmacy, Madurai Medical College, Tamil Nadu, India
 - ✓ Biomedical Research & Super Specialty Hospital, Mahatma Gandhi University Campus, Thalappady, Rubber Board PO, Kottayam - 686009, Kerala State, India.
 - ✓ Department of Pharmaceutical Science, Centre for Professional and Advanced Studies, Kerala University of Health Sciences, Mahatma Gandhi University, SME, Cheruvandoor Campus, Kottayam, Kerala, India.
 - ✓ Department of Pharmaceutical Technology, Anna University Chennai, BIT, Tiruchirappalli-620 024, Tamil Nadu, India.
 - ✓ Periyar College of Pharmaceutical Sciences, Tiruchirappalli, TN,
 - ✓ National Institute of Pharmacy Education and Research (NIPER), Hajipur, India
 - ✓ St. James College of Pharmaceutical Sciences, Chalakudy, Kerala
 - ✓ NIMS University, NH-11C, Delhi - Jaipur Expy, Shobha Nagar, Jaipur, Rajasthan 303121, India
 - ✓ SRM College of Pharmacy, SRM Institute of Science and Technology. Kattankulathur, Tamil Nadu - 603203
 - ✓ Bharath Institute of Higher Education and Research, Chennai, Tamil Nadu, India,
 - ✓ National Institute of Pharmacy Education and Research (NIPER), Kolkatta, West Bengal, India,
 - ✓ Kumaraguru College of Technology, Coimbatore, Tamil Nadu, India
 - ✓ Periyar College of Pharmaceutical Sciences, Tiruchirappalli, TN, India
 - ✓ Pharmacy School, Annamalai University, Annamalai Nagar, TN, India
 - ✓ Adhiparasakthi College of Pharmacy, Melmaruvathur, TN, India,
 - ✓ Pannai College of pharmacy, Palani, TN, India
 - ✓ Arul Migu Kalasalingam College of pharmacy, Srivilliputhur, TN

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- ✓ IPC, Amity University, New Delhi,
 - ✓ IPC, Chitkara University, Rajpura,
 - ✓ Anna University, 2017, Tiruchirappalli, India
 - ✓ RAJAPTICON, Rajasthan, India

Maldives

- ✓ Villa College, QI Campus, Rah Dhebai Hingun, Male, Maldives

Ghana

- ✓ School of Medical Sciences, University of Cape Coast, Ghana

Singapore

- ✓ National University of Singapore, Singapore and Singapore Eye research Institute, Singapore,

Student recruitment, Training, Teaching, MOU initiation

- ✓ **Australia:**

- a) Discipline of Pharmacy, Graduate School of Health, University of Technology Sydney, 100 Broadway, Broadway, Sydney, New South Wales, 2007, Australia

- ✓ **China:**

- a) School of Medicine and Pharmacy, Qingdao, Ocean University of China
- b) Department of Cardiology, Zhongshan Hospital Fudan University, Shanghai Institute of Cardiovascular Diseases, Shanghai 200032, China

- ✓ **Egypt:**

- a) Pharmacology Department school of Medicine, Assiut university, Egypt

- ✓ **Ghana:**

- a) Department of Pharmacology, School of Medical Sciences, University of Cape Coast, Ghana
- b) Ghana International school (GIS), Second Circular Rd, Accra, Ghana.

- ✓ **India:**

- a) Department of Pharmacy and Pharmacy Practice, Nandha College of Pharmacy, Tamilnadu, India

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- b) Department of Pharmaceutics, Surya School of Pharmacy, Vikravandi, Villupuram, Tamil Nadu, India
 - c) Department of Pharmaceutical Analysis, SPS Delhi Pharmaceutical Science and Research University, New Delhi, India
 - d) Department of Pharmacology, JSS Pharmacy College, Ooty, Tamilnadu, India
 - e) Sree Balaji Medical College & Hospital Campus, Bharath Institute of Higher Education & Research, Chromepet, Chennai - 600 044
 - f) Department of Pharmacy, Annamalai University, Annamalai Nagar, Chidambaram, Tamil Nadu 608002, India
 - g) Department of Pharmacology, Periyar College of Pharmaceutical Sciences, Tiruchirappalli 620021, Tamilnadu, India.
 - h) National Institute of Pharmacy Education and Research (NIPER), Kolkatta, West Bengal, India
 - i) College of Pharmacy, Sri Ram Nallamani Yadava Educational Institutions, Tenkasi, Tamilnadu, India
- ✓ **Kuwait:**
- a) College of Pharmacy, Building 119 - 2nd Floor. Khaldiya Campus - Kuwait University
- ✓ **Libya:**
- a) Omar Al-Mukhtar University, QP56+8X6, Al Bayda, Libya
- ✓ **Maldives:**
- a) Villa College, QI Campus, Rah Dhebai Hingun, Male, Maldives
- ✓ **Pakistan:**
- a) Shifa College of Dentistry, Shifa Tamer-e-Millat University, Islamabad, Pakistan
- ✓ **Qatar:**
- a) Hamid Bin Khalifa University, Education City, Doha, Qatar
- ✓ **Saudi Arabia:**
- a) Department of Pharmacology and Toxicology, College of Pharmacy, Qassim University, Buraidah, Saudi Arabia
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- b) Department of Pharmacology and Toxicology, College of Pharmacy, King Abdulaziz University, Jeddah, Saudi Arabia
 - c) Department of Pharmacology, College of Medicine, University of Jeddah, Jeddah, Saudi Arabia
 - d) Department of Pharmacy, Imam Abdulrahman Bin Faisal University, Saudi Arabia
 - e) Pharmacognosy and pharmaceutical chemistry Department, College of Pharmacy, Taibah University, Al Madinah Al Munawarah 30001, Saudi Arabia
- ✓ **Sri Lanka:**
- a) College of Medicine, University of Jaffna, M2RF+6PG, Aadiyapatham Rd, Kokuvil East, Sri Lanka
- ✓ **Taiwan:**
- a) Department of Applied Chemistry (Biotechnology) Chaoyang University of Technology, No.168, Jifeng E. Rd., Wufeng 41349, TAIWAN
- ✓ **Turkey:**
- a) Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Hacettepe University, Ankara, Turkey
 - b) College of Pharmacy, Marmara University, Selimiye, Tibbiye Cd No:49, 34668 Üsküdar/İstanbul, Türkiye
- ✓ **United Arab Emirates:**
- a) Ajman University, Al jerf 1 - Ajman - United Arab Emirates, United Arab Emirates
 - b) College of Pharmacy and Health Sciences, Ajman University, Ajman, UAE; Medical and Bio-allied Health Sciences Research Centre, Ajman University, Ajman, UAE

Faculty Mentoring for Academica, Research, and Outreach

Dr. Engy Ali

Associate professor and Senior scientist
Pharmacology Department school of Medicine
Assiut university, Egypt
Basic research department,
Children's Cancer hospital Egypt 57357
dr.engyali2017@gmail.com

Dr. Ahmad Alhowail

Associate Professor
Department of Pharmacology and Toxicology,
College of Pharmacy, Qassim University,
Buraidah, Saudi Arabia
aalhowail@qu.edu.sa

Dr. Saba Omer

Assistant Professor
Shifa College of Dentistry
Shifa Tamer-e-Millat University
Islamabad, Pakistan
Saba.scd@stmu.edu.pk

Dr. Mohammed Z. Nasrullah

Assistant Professor
Department Council Secretary of the Department of Pharmacology & Toxicology
Head of Educational Affairs Unit at Faculty of Pharmacy
Head of Research Ethics Committee
Director of Drug Safety & Screening Unit at Center of Research Excellence for Drug
Research and Pharmaceutical Industries
King Abdulaziz University, Jeddah, Saudi Arabia
Team member of Mohamed Saeed Tamer Chair for Pharmaceutical Industries
mnasrullah@kau.edu.sa

Dr. Hemalatha Selvaraj

Assistant Professor
Department of Pharmacy and Pharmacy Practice
Nandha College of Pharmacy,
Tamilnadu, India.
sai2pp2012@gmail.com

Dr. Mohammed Ali A. Majrashi

Associate Professor
Head of Department of Pharmacology,
College of Medicine, University of Jeddah, Jeddah, Saudi Arabia.
mamajrashi@uj.edu.sa

Dr. Reeta Vijayarani

Professor

Department of Pharmaceutics,
Surya School of Pharmacy,
Vikravandi, Villupuram, Tamil Nadu, India
reeta_rani07@yahoo.co.in

Dr. Mansour Alturki

Assistant Professor

Faculty of Pharmacy, Imam Abdulrahman Bin Faisal University, Saudi Arabia.
msalturki@iau.edu.sa

Dr. Jambulingam Swaminathan

Associate Professor

Department of Pharmaceutical Analysis, SPS
Delhi Pharmaceutical Science and Research University,
New Delhi, India
swamilingam@gmail.com

Dr. J. Jeyaram Bharathi

Pharmacist

Department of Pharmacology,
JSS Pharmacy College, Ooty,
Tamilnadu, India
jeyaram1995@gmail.com
jjbphd@jssuni.edu.in

Dr. Kodeeswaran Parameswaran

Assistant Professor

California State University
Chico, California, USA
kparameshwaran@csuchico.edu

Dr. Jenna Bloemer

Assistant Professor

Department of Pharmaceutical and Biomedical Sciences
Touro College of Pharmacy,
New York City, New York, USA
jenna.bloemer@touro.edu

Dr. Chastity Bradford

Associate Professor

Department of Biology,
College of Arts and Sciences
Tuskegee University,
Tuskegee, Alabama, USA
cbradford@tuskegee.edu

Dr. Satyanarayana Pondugula

Associate Professor,
Department of Pharmacology
College of Veterinary Medicine, Auburn University,
Auburn, Alabama, USA
srp0010@auburn.edu

Dr. Mohammed Almaghrabi

Assistant Professor
Pharmacognosy and pharmaceutical chemistry department
Faculty of Pharmacy
Taibah University,
Al Madinah Al Munawarah 30001, Saudi Arabia
mhmaghrabi@taibahu.edu.sa

Dr. Kamal Dua

Senior Lecturer Pharmacy
University of Technology Sydney,
Discipline of Pharmacy, Graduate School of Health, 100 Broadway, Broadway,
Sydney, New South Wales, 2007, Australia
Kamal.Dua@uts.edu.au

Dr. Manal Buabied

College of Pharmacy and Health Sciences
Ajman University, Ajman, UAE
Medical and Bio-allied Health Sciences Research Centre
Ajman University, Ajman, UAE
manal692001@yahoo.co.uk