Dr. Latchoumycandane Calivarathan Ph.D.
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Educational Qualification

Degree	University/ Institute	Specialization	Grade/ Class
Ph.D.	Pondicherry University, Pondicherry, India	Life Sciences (Molecular Toxicology)	First
M.Phil.	Pondicherry University, Pondicherry, India	Zoology (Molecular Endocrinology)	First
M.Sc.	Pondicherry University, Pondicherry, India	Zoology	First
B.Sc.	Pondicherry University, Pondicherry, India	Zoology	First

Teaching Experience and Research Experience

Position	University/ Institute	Teaching/Research Specialization	Year
Assistant Professor	Department of Biotechnology (Formerly, Department of Life Sciences), Central University of Tamil Nadu, India	Cell Biology/ Pharmacology/ Toxicology Neurodegenerative diseases	2018-Present
Assistant Professor	Department of Animal Sciences, Central University of Kashmir, India	Cell & Molecular Biology/ Drug Discovery	2016-2018
Research Associate/ Adjunct Assistant Professor (Staff)	Department of Cellular and Molecular Medicine, Lerner Research Institute, Cleveland Clinic, Cleveland, OH, USA	Cellular and Molecular Medicine	2008-2016
Postdoctoral Senior Research Fellow	Department of Pharmacy, School of Medicine, National University of Singapore, Singapore	Molecular Pharmacology & Toxicology	2005-2007
Postdoctoral Fellow	Department of Biomedical Sciences, Iowa State University, Ames, Iowa, USA	Molecular Pharmacology & Toxicology	2003-2005

Papers handled/ handling for Undergraduate and Postgraduate Programmes (Integrated MSc Programme): Cell & Molecular Biology, Biochemistry, Genetics, Animal Physiology, Animal Diversity, Comparative Anatomy, and Developmental Biology, Drug Discovery & Design, Basic Principles of Toxicology.

Research Mentoring Experience: Graduate, postgraduate, doctoral, and postdoctoral students in the Cleveland Clinic (USA), National University of Singapore (Singapore), and Central University of Tamil Nadu (India).

Research Expertise: Pharmacology/ Toxicology, Drug discovery, cell/ molecular biology, animal studies, including rats and mice (transgenic and knockout animals), preclinical and clinical studies.

Academic Merits

- **Board Certified Toxicologist** (The American Board of Toxicology, USA (2009-2019)).
- **EMBO-DBT Travel Award,** (2020), Laboratory Leadership Course, Hyderabad.
- **Recipient of the Society of Toxicology / IUTOX/ AstraZeneca Travel Award (U.S. $2000), USA** (2007).
- **Received** Senior Research Fellowship from the **ICMR**, Government of India (December 1999- June 2002).
- **Qualified CSIR-NET** (Life Sciences), Ministry of Education, Govt of India, All India Rank 63
- **SLET** (Zoology), Bharathidasan University, Tiruchirapalli, Tamil Nadu
- **GATE** (Life Sciences), Conducted by the MHRD, Govt. of India, All India Rank 69
- **Invited Speaker** in NIAAA/National Institutes of Health, USA (Research Society on Alcoholism, June 2014).
- **F1000 Prime (USA)** Pharmacology & Drug Discovery **and F1000 Prime** Gastroenterology & Hepatology recommended my two publications as **New Findings**.

Research Funding Received (As P.I.: ~1 Crore and as Co-PI: ~1.26 Crores)

Funding Agency	Title of the Project	Year	Sanctioned Amount (Rs.)	Role
UGC (Govt. of India)	Alcohol-induced Renal Inflammatory Injury – Mechanism and Rescue	2018-2021	*10,00,000*	PI
DST-SERB (Govt. of India)	Elucidating the molecular mechanisms of oxidized phospholipids-mediated neuroinflammation and neurodegeneration in Parkinson's disease	2019-2022	*61,07,200*	PI
DST-SERB (Govt. of India)	Deciphering the role of Kinesin I heavy chain (KIF5B) in Tau hyperphosphorylation, aggregation, and neurodegeneration in Alzheimer's disease and other tauopathies	2019-2022	*55,17,000*	Co-PI
ICMR (Govt. of India)	Oxidatively truncated phospholipids molecularly couple renal inflammation to intrinsic apoptosis in alcoholic renal injury	2021-2023	*31,21,860*	PI
DST-SEED, (Govt. of India)	Capacity building and promoting good husbandry practices among livestock farmers for the livelihood, sustainable livestock production and upholding public health	2021-2024	*71,35,828*	Co-PI

PUBLICATIONS DETAILS

Total Number of Publications	Citations	h-index	i10 index
49	3650	30	37

List of Publications

1. Maniradhan M, Sivagurunathan N, Anbiah VS, **Latchoumycandane C**. *In utero* and lactational exposure to Bisphenol A alters the testicular function by inducing oxidation of phospholipids in adult Wistar rats. Toxicology and Environmental Health Sciences, 2024. (DOI: 10.1007/s13530-024-00236-6.
2. Maniradhan M, Sivagurunathan N, Krishnan AU, Anbiah VS, **Latchoumycandane C.** Selenium ameliorates oxidized phospholipid-mediated testicular dysfunction and epididymal sperm abnormalities following Bisphenol A exposure in adult Wistar rats. Reproductive Toxicology, 2024. 130:108751.
3. Sivagurunathan N, **Latchoumycandane C**. Inflammasomes in Acetaminophen-Induced Liver Injury: Exploring a Novel Mechanism and Therapeutic Implications. Gene Expression. 2025. Submitted (Revised, Under Review).
4. Praveen IM, **Latchoumycandane C**. Aberrant expression of long noncoding RNAs induces oxidative stress-mediated inflammasome activation: A novel mechanism for neuroinflammation and neurodegeneration in Parkinson's disease. Clinical and Experimental Neuroimmunology, 2025, p1-17 (DOI: 10.1111/cen3.12830).
5. Sivagurunathan N, **Latchoumycandane C,** Parsanathan R. In Silico Analysis of Phytochemicals from Ginkgo biloba as Potential Inhibitors of Inflammasome Sensors Involved in Neurodegenerative Diseases. 2024. Medicinal Chemistry (Under Review).
6. Sivagurunathan N, Maniradhan M, Anbiah SV, **Latchoumycandane C**. Asiatic acid augments N-acetylcysteine hepatoprotection against acetaminophen-induced liver injury. Drug and Chemical Toxicology (Under Review)
7. Praveen IM, Anbiah SV, **Latchoumycandane C**. Ginkgolide B ameliorates MPTP-induced neuroinflammation and neurodegeneration by improving mitochondrial electron transport chain complex I. Journal of Cellular Neuroscience and Oxidative Stress. 2024;16(3): 1214-1228.
8. Sivagurunathan N, Rahamathulla MP, Al-Dossary H, **Latchoumycandane C**. Emerging Role of Long Noncoding RNAs in Regulating Inflammasomes-mediated Neurodegeneration in Parkinson's Diseases. Molecular Neurobiology, 2024. doi: 10.1007/s12035-023-03809-7. In Press. (**5-Year Impact Factor 5.1)**
9. Sivagurunathan S, **Latchoumycandane C**. SARS-CoV-2 Infection to Premature Neuronal Aging, and Neurodegenerative Diseases: Is there any connection with Hypoxia? CNS & Neurological Disorders – Drug Targets. 2024. 23: (4): 431-448. doi: 10.2174/1871527322666230418114446. (**5-Year Impact Factor 3.2).**
10. Sivagurunathan S, **Latchoumycandane C**. Mitochondrial toxicant-induced neuronal apoptosis in Parkinson's disease: What we know so far. Degenerative Neurological and Neuromuscular Disease. 2023, 13:1-13. doi: 10.2147/DNND.S361526. (**Impact Factor 4**, Emerging Sources Citation Index (ESCI)).
11. Maniradhan M, **Latchoumycandane C.** Bisphenol A-induced Endocrine Dysfunction and its Associated Metabolic Disorders. Endocrine, Metabolic and Immune Disorders – Drug Targets. 2023, 23(4):515-529. doi: 10.2174/1871530322666220 9xi8144043. (**Impact Factor: 2.387).**

12. Subhashini B, Narmadhaa S, **Latchoumycandane C.** Inflammasome Signaling in the Aging Brain and Age-related Neurodegenerative Diseases (2022). Molecular Neurobiology, (4): 2288-2304. doi: 10.1007/s12035-021-02683-5. Springer Nature. doi: 10.1007/s12035-021-02683-5. (**5-Year Impact Factor 5.1)**.
13. Narmadhaa S, Aghil TSA, **Latchoumycandane C**. Role of long non-coding RNAs in the pathogenesis of Alzheimer's and Parkinson's diseases (2022). Current Ageing Science, 15(2):84-96. doi: 10.2174/1874609815666220126095847. (**Impact Factor 2.0).**
14. Roshini R, **Latchoumycandane C** and Mathur PP. Recent updates on the effect of endocrine disruptors on male reproductive functions (2022). Open Medicine Journal, 9: 187422.
15. C.K. Vidya Raj, Jayapal Venugopal, Muthuraj Muthaiah, Vineet Kumar Chadha, Usharani Brammacharry, M. Swapna, A.V. Sangeetha, Senthil Pragash Dhandapani, Venkatasaiah Raman Kareedhi, **Latchoumycandane Calivarathan**, Mowna Karthick, Karthick Jayapal. In-vitro anti-Mycobacterium tuberculosis effect of Eugenol, Indian Journal of Tuberculosis, 2022, 69(4): 647-654.doi: 10.1016/j.ijtb.2021.09.016. (**Impact Factor 1.57).**
16. Subhashini B, Lateef M, **Latchoumycandane C**. An insight into the molecular mechanism of mitochondrial toxicant-induced neuronal apoptosis in Parkinson's disease (2021). Current Molecular Medicine, 2023;23(1):63-75. doi: 10.2174/1566524022666220203163631. **(Impact Factor 2.5).**
17. Lakshmikanth CL., Jacob SP., Kudva AK., **Latchoumycandane C**., Yashaswini PS., Sumanth MS., Goncalves-de-Albuquerque CF., Silva AR., Singh SA., Castro-Faria-Neto HC., Prabhu SK., McIntyre TM., Marathe G.K. Escherichia coli Braun Lipoprotein (BLP) exhibits endotoxemia-like pathology in Swiss albino mice. Scientific Reports (2016) **6**: Article number: 34666. (**5-Year Impact Factor 4.99).**
18. **Latchoumycandane C**., Hanouneh M., Nagy LE., McIntyre TM. Inflammatory PAF receptor signaling initiates Hedgehog signaling and kidney fibrogenesis during ethanol consumption. PLoS One (2015) 10 (12): e145691. (**Impact Factor 3.24).**
19. **Latchoumycandane C**., Nagy LE., McIntyre TM. Myeloperoxidase formation of PAF Receptor ligands induces PAF receptor-dependent kidney injury during ethanol consumption. Free Radical Biology and Medicine (2015) 86: 179-190. **(Impact Factor 8.10).**
20. Dadabayev AR., Yin G., **Latchoumycandane C**., McIntyre TM., Lesnefsky EJ., Penn MS. ApoA1 regulates CoQ10 absorption, mitochondrial function, and ischemic injury. Journal of Nutrition (2014) 144 (7): 1030-6. **(Impact Factor 4.735).**
21. **Latchoumycandane C**., Nagy LE., McIntyre TM. Chronic ethanol ingestion induces oxidative kidney injury through taurine-inhibitable inflammation. Free Radical Biology and Medicine (2014) 69: 403-416. **(Impact Factor 8.10).**
22. **Latchoumycandane C**., Marathe GK., Zhang R., McIntyre TM. Oxidatively-truncated phospholipids are required agents of tumor necrosis factor α (TNFα)-induced apoptosis. Journal of Biological Chemistry (2012) 287 (21): 17693-705. **(Impact Factor 5.485).**
23. **Latchoumycandane C**., Anantharam V., Jin H., Kanthasamy A., Kanthasamy AG. Dopaminergic neurotoxicant 6-OHDA induces oxidative damage through proteolytic activation of PKCδ in cell culture and animal models of Parkinson's disease. Toxicology and Applied Pharmacology (2011) 256 (3): 314-323. **(Impact Factor 4.21).**
24. Yang L., **Latchoumycandane C**., McMullen MR., Pratt BT., Zhang R., Papouchado BG., Nagy LE., Feldstein AE., McIntyre TM. Chronic alcohol exposure increases circulating bioactive oxidized phospholipids. Journal of Biological Chemistry (2010) 285 (29): 22211-22220. **(Impact Factor 5.485).**

25. Anantharam V., Kanthasamy A., Choi CJ., Martin DP., **Latchoumycandane C**., Richt JA., Kanthasamy AG. Opposing roles of prion protein in oxidative stress- and E.R. stress-induced apoptotic signaling. Free Radical Biology and Medicine (2008) 45 (11): 1530-1541. **(Impact Factor 8.10).**

26. Siu WP., Pun PBL., **Latchoumycandane C**., Boelsterli UA. Bax-mediated mitochondrial outer membrane permeabilization (MOMP), distinct from the mitochondrial permeability transition, is a key mechanism in diclofenac-induced hepatocyte injury: Multiple protective roles of cyclosporin A. Toxicology and Applied Pharmacology (2008) 227 (3): 451-461. **(Impact Factor 4.21).**

27. Lim PLK., Tan W., **Latchoumycandane C**., Mok WC., Khoo YM., Lee HS., Sattabongkot J., Beerheide W., Lim SG., Tan TMC., Boelsterli UA. Molecular and functional characterization of drug-metabolizing enzymes and transporter expression in the novel spontaneously immortalized human hepatocyte line HC-04. Toxicology *In Vitro* (2008) 21 (8): 1390-1401. **(Impact Factor 3.50).**

28. Ong MMK., **Latchoumycandane C**., Boelsterli UA. Troglitazone-induced hepatic necrosis in an animal model of silent genetic mitochondrial abnormalities. Toxicological Science (2007) 97 (1): 205-213. **(Impact Factor 4.109).**

    ***Faculty 1000 Pharmacology & Drug Discovery – Interesting Hypothesis and New Finding (**Cunningham M: F1000Prime Recommendation of [Ong MM et al., Toxicol Sci 2007, 97(1):205-13]. In F1000Prime, 21 May 2007; DOI: 10.3410/f.1085926.538866. F1000Prime.com/1085926#eval538866).

    ***Faculty 1000 Gastroenterology & Hepatology- New Finding (**Kaplowitz N: F1000Prime Recommendation of [Ong MM et al., Toxicol Sci 2007, 97(1):205-13]. In F1000 Prime,13th September 2007; DOI: 10.3410/f.1085926.545066. F1000Prime.com/1085926#eval545066).

29. **Latchoumycandane C**., Goh CW., Ong MMK., Boelsterli UA. Mitochondrial protection by the JNK inhibitor leflunomide rescues mice from acetaminophen-induced liver injury. Hepatology (2007) 45 (2): 412-421. **(Impact Factor 17.42).**

    ***Faculty 1000 Pharmacology & Drug Discovery – New Finding (**Roth R: F1000 Prime Recommendation of [Latchoumycandane C et al., Hepatology 2007, 45]. In F1000Prime, 22 May 2007; DOI: 10.3410/f.1085966.538909. F1000Prime.com/1085966#eval538909)**.**

30. **Latchoumycandane C**., Seah QM., Tan RCH., Sattabongkot J., Beerheide W., Boelsterli UA. Leflunomide or A77 1726 protects from acetaminophen-induced cell injury through inhibition of JNK-mediated mitochondrial permeability transition in immortalized human hepatocytes. Toxicology and Applied Pharmacology (2006) 217 (1): 125-133. **(Impact Factor 4.21).**

31. Kanthasamy AG., Anantharam V., Zhang D., **Latchoumycandane C**., Jin H., Kaul S., Kanthasamy A. A novel peptide inhibitor targeted to caspase-3 cleavage site of a proapoptotic kinase protein kinase C delta (PKCδ) protects against dopaminergic neuronal degeneration in Parkinson's disease models. Free Radical Biology and Medicine (2006) 41 (10): 1578-1589. **(Impact Factor 7.37).**

32. Sun F., Anantharam V., Zhang D., **Latchoumycandane C**., Kanthasamy A., Kanthasamy AG. Proteasome inhibitor MG-132 induces dopaminergic degeneration in cell culture and animal models NeuroToxicology (2006) 27 (5): 807-815. **(Impact Factor 3.98).**

33. Sun F., Anantharam V., **Latchoumycandane C**., Kanthasamy A., Kanthasamy AG. Dieldrin induces ubiquitin-proteasome dysfunction in α-synuclein overexpressing dopaminergic neuronal cells and enhances susceptibility to apoptotic cell death. Journal of Pharmacology and Experimental Therapeutics (2005) 315 (1): 69-79. **(Impact Factor 4.404).**

34. **Latchoumycandane C**., Anantharam V., Kitazawa M., Yang Y., Kanthasamy A., Kanthasamy AG. Protein kinase Cδ is a key downstream mediator of manganese-induced apoptosis in dopaminergic neuronal cells. Journal of Pharmacology and Experimental Therapeutics (2005) 313 (1): 46-55. **(Impact Factor 4.404).**

35. Anantharam V., Kitazawa M., **Latchoumycandane C**., Kanthasamy A., Kanthasamy AG. Blockade of PKCδ proteolytic activation by loss of function mutants rescues mesencephalic dopaminergic neurons from methylcyclopentadienyl manganese tricarbonyl (MMT)-induced apoptotic cell death. Annals of New York Academy of Sciences (2004) 1035: 271-289. **(Impact Factor 5.69).**

36. **Latchoumycandane C**., Chitra KC., Mathur PP. 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) induces oxidative stress in the epididymis and epididymal sperm of adult rats. Archives of Toxicology (2003) 77 (5): 280-284. **(Impact Factor 6.168).**

37. Chitra KC., **Latchoumycandane C**., Mathur PP. Induction of oxidative stress by bisphenol A in the epididymal sperm of rats. Toxicology (2003) 185 (1-2): 119-127. **(Impact Factor 4.5).**

38. Chitra KC., **Latchoumycandane C**., Mathur PP. Effect of nonylphenol on the antioxidant system in epididymal sperm of rats. Archives of Toxicology (2002): 76 (9): 545-551. **(Impact Factor 6.168).**

39. **Latchoumycandane C**., Mathur PP. Effects of vitamin E on reactive oxygen species-mediated 2,3,7,8-tetrachlorodibenzo-p-dioxin toxicity in rat testis. Journal of Applied Toxicology (2002) 22 (5): 345-351. **(Impact Factor 3.628).**

40. **Latchoumycandane C**., Mathur PP. Effect of methoxychlor on the antioxidant system in mitochondrial and microsome-rich fractions of rat testis. Toxicology (2002) 176 (1-2): 67-75. **(Impact Factor 4.5).**

41. **Latchoumycandane C**., Chitra KC., Mathur PP. The effect of methoxychlor on the epididymal antioxidant system of adult rats. Reproductive Toxicology (2002) 16 (2): 161-172. **(Impact Factor 3.421).**

42. **Latchoumycandane C**., Chitra KC., Mathur PP. Induction of oxidative stress in rat epididymal sperm after exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. Archives of Toxicology (2002) 76 (2): 113-118. **(Impact Factor 6.168).**

43. **Latchoumycandane C**., Chitra KC., Mathur PP. The effect of 2,3,7,8-tetrachlorodibenzo-p-dioxin on the antioxidant system in mitochondrial and microsomal fractions of rat testis. Toxicology (2002) 171 (2-3): 127-135. **(Impact Factor 4.5).**

44. **Latchoumycandane C**., Mathur PP. Induction of oxidative stress in the rat testis after short-term exposure to the organochlorine pesticide methoxychlor. Archives of Toxicology (2002) 76 (12): 692-698. **(Impact Factor 6.168).**

45. Chitra KC., Sujatha R., **Latchoumycandane C**., Mathur PP. Effect of lindane on antioxidant enzymes in the epididymis and epididymal sperm of adult rats. Asian Journal of Andrology (2001) 3 (3): 205-208. **(Impact Factor 3.28).**

46. Sujatha R., Chitra KC., **Latchoumycandane C**., Mathur PP. Effect of lindane on testicular antioxidant system and steroidogenic enzymes in adult rats. Asian Journal of Andrology (2001) 3 (2): 135-138. **(Impact Factor 3.28).**

47. Chitra KC., **Latchoumycandane C**., Mathur PP. Chronic effect of endosulfan on the testicular functions of the rat. Asian Journal of Andrology (1999) 1 (4): 203-206. **(Impact Factor 3.28).**

48. **Latchoumycandane C**., Mathur PP. Effects of hyperthyroidism on the physiological status of pubertal rat testis. Biomedical Letters (1999) 59 (231): 33-41. (Published in the UK).

49. Poonkothai P., **Latchoumycandane C**., Mathur PP. Effects of short-term triiodothyronine treatment on the testicular functions of immature rats. Biomedical Letters (1999) 60 (236): 183-190. (Published in the UK).

50. **Latchoumycandane C**., Gupta SK., Mathur PP. Inhibitory effects of hypothyroidism on the testicular functions of postnatal rats. Biomedical Letters (1997) 56 (223-224): 171-177. (Published in the UK).

Books and Book Chapters

1. **Environmental Impacts on Gametogenesis & Embryogenesis: An Overview.** Authors: **C. Latchoumycandane**, Pranitha Jenardhananan, and P.P. Mathur. Encyclopedia of Reproduction (USA) – In M. K. Skinner (Ed.), Encyclopedia of Reproduction. 2019, vol. 3, pp. 446–451. Academic Press: Elsevier. – ISSN 9780128118993.
2. **Apoptosis and Male Infertility**. Authors: **C. Latchoumycandane**, S. Vaithinathan, Shereen Cynthia D'Cruz, and P. P. Mathur Springer Nature Switzerland AG 2020, S. J. Parekattil et al. (eds.), *Male Infertility*, https://doi.org/10.1007/978-3-030-32300-4_37.
3. **Fauna, *A compendium of the Biodiversity*** of the Central University of Tamil Nadu. (2021), Editors: **C. Latchoumycandane**, and R. Alexandar.
4. **Flora: *A compendium of Plant Biodiversity*** of the Central University of Tamil Nadu. (2021), Editors: E.M. K.S. Dinesh Babu and **C. Latchoumycandane**.
5. **Environmental Contaminants, Oxidative Stress, and Reproductive Cancer.** In Oxidative Stress and Cancer**. Authors: Latchoumycandane Calivarathan**, Meenu Maniradhan, Premendu Prakash Mathur. Editors: Sajal Chakraborti, Narasimham L. Parinandi, Rita Ghosh Nirmal K. Ganguly, Tapati Chakraborti. SpringeNature. 2021. pp 423–436**.**
6. **Environmental Contaminants and Male Reproductive Health – Past, Present, and Future.** Authors: **Latchoumycandane Calivarathan**, Pranitha Janardhanan, Meenu Maniradhan, Premendu Prakash Mathur. In Environment studies and Climate change. Editor: R.C.Sobti. CRC Press. 2022. (ISBN 9781003220824)
7. **Age-Related Neurodegenerative Diseases**. In Evidence-based Functional Foods for Prevention of Age-related Diseases. Editors: Surajit Pathak, Antara Banerjee, Asim K. Duttaroy, 2023. https://doi.org/10.1007/978-981-99-0534-8. Springer Nature. 2023.
8. **Effect of Endocrine Disruptors on Testicular Function.** Authors: Latchoumycandane Calivarathan and Premendu Prakash Mathur. Editor: Cheng CY, Population Council (USA). Springer. **In Press**.

Journal Peer Reviewer

• *In Vitro* Toxicology, • Apoptosis, • Toxicology Letters (Awarded Outstanding Reviewer Certificate), • Toxicology (Awarded Outstanding Reviewer Certificate), • Nutrition Research, • Journal of Biochemical and Molecular Toxicology, Cellular and Molecular Life Sciences • Frontiers in Physiology.

Research Grant Peer Reviewer

- DST- Science and Engineering Research Board, Government of India: CRG Grant
- DST – Science and Engineering Research Board, Government of India: SUPRA Grant

Paper Presented in Scientific Meetings/ Invited Talks

1. **Latchoumycandane Calivarathan**. Alcoholic hepatitis: Renal Injury Connects to Mortality. Research Development Series Research Development Series. School of BioSciences and Technology, Vellore Institute of Technology (April 12, 2024), Vellore, India.

2. Narmadhaa Sivagurunathan, Meenu Maniradhan, Vijitha Valsa, Suresh M, Vigil S. Anbiah, **Latchoumycandane Calivarathan.** Asiatic Acid Augments N-Acetylcysteine-mediated Hepatoprotection Against Acetaminophen-induced Liver Injury. International Conference on Frontiers in Basic Biology, BIOANVESHANA 2024 (February 15-18, 2024). Department of Biotechnology & Bioinformatics, University of Hyderabad, Telangana, India.

3. Meenu Maniradhan*, Narmadhaa Sivagurunathan, Vigil S Anbiah, **Latchoumycandane Calivarathan**. BPA-induced testicular dysfunction: ameliorative effect of Selenium. International Conference on Frontiers in Basic Biology, BIOANVESHANA 2024 (February 15-18, 2024). Department of Biotechnology & Bioinformatics, University of Hyderabad, Telangana, India. (*__Best Oral Presentation Award, First Prize__).

4. Irene Mary Praveen, Narmadhaa Sivagurunathan, Vaitheeswari Balakrishnan, Vijil.S. Anbiah and **Latchoumycandane Calivarthan**. Ginkgolide B ameliorates MPTP-induced mitochondrial complex-1 dysfunction in Parkinson's disease. International Conference on Frontiers in Basic Biology, BIOANVESHANA 2024 (February 15-18, 2024). Department of Biotechnology & Bioinformatics, University of Hyderabad, Telangana, India.

5. Gayathri Menon, Vigil S. Anbiah, **Latchoumycandane Calivarathan**, Renuga Devi. Electrospun Scaffolds with *Cassia auriculata* Leaf Extract Accelerate Wound Healing in Rats. International Conference on Innovations of Life Sciences (February 12-13, 2024). Department of Biochemistry, SRM Institute of Science and Technology, Chennai, India.

6. Vedasmiritha*, Desavath Chinna Naik, Narmadhaa Sivagurunathan, Vigil S. Anbiah, **Latchoumycandane Calivarathan**. Acetaminophen-induced renal injury: Developing a combination therapy using N-acetylcysteine and Asiatic acid. International Conference on Innovations of Life Sciences (February 12-13, 2024). Department of Biochemistry, SRM Institute of Science and Technology, Chennai, India. (*__Best Presentation Award, First Prize__).

7. **Latchoumycandane C**. Alcoholic Liver Disease – Renal Injury Connects to Mortality. Annual Meeting of the Society of Toxicology, Organized by the University of Calicut. November 23-25, 2023. Kerala, India. (**Invited Talk**).

8. Meenu Maniradhan, Narmadhaa Sivagurunathan, Vigil S Anbiah, **Latchoumycandane Calivarathan**. In utero and lactational exposure to bisphenol A alters the testicular functions in male rats. International Conference on Molecular Medicine and Therapeutics (January 07-09, 2023). Department of Biochemistry and Biotechnology, Annamalai University, Chidambaram, Tamil Nadu, India.

9. Irene Mary Praveen, Narmadhaa Sivagurunathan, Vaitheeswari Balakrishnan, Vijil.S. Anbiah and **Latchoumycandane Calivarthan**. Platelet-activating factor receptor antagonists ameliorate MPTP-induced motor dysfunction in mice. International Conference on Molecular Medicine and Therapeutics (January 07-09, 2023). Department of Biochemistry and Biotechnology, Annamalai University, Chidambaram, Tamil Nadu, India.

10. Narmadhaa Sivagurunathan, Rajesh Parsanathan, **Latchoumycandane Calivarathan**. *In silico* analysis of phytochemicals of *Ginkgo biloba* as potential inhibitors of inflammasomes involved in neurodegenerative diseases. International Conference on Molecular Medicine and Therapeutics (January 07-09, 2023). Department of Biochemistry and Biotechnology, Annamalai University, Chidambaram, Tamil Nadu, India.

11. Narmadhaa Sivagurunathan, Meenu Maniradhan, Vijitha Valsa, Suresh M, Vigil S. Anbiah, **Latchoumycandane Calivarathan**. Asiatic Acid And N-acetylcysteine Alleviate Acetaminophen-induced Hepatotoxicity. 3rd International conference on “Frontiers in Biological Sciences”. (October 05-07, 2023). Department of Life Science, NIT Rourkela, Orissa, India.

12. Meenu Maniradhan, Narmadhaa Sivagurunathan, **Latchoumycandane Calivarathan**. Developmental exposure to BPA and reproductive toxicity in Wistar rats. International Conference on Molecular Medicine, Reproduction and Endocrinology (September 14-16, 2023). Navrachana University, Vadodhara, India. (**Best Oral Presentation Award, Second Prize**).

13. **Latchoumycandane C**. and McIntyre TM. Sonic Hedgehog-Gli1 signaling pathway promotes ethanol-induced renal fibrosis: Identification of a potential renal fibrotic marker. International Conference on Molecular Medicine and Therapeutics, 2023. Annamalai University, Tamil Nadu, India. (**Invited Talk**).

14. Narmadhaa S, and **Latchoumycandane C**. *In silico* analysis of phytochemicals Ginkgo biloba as a potential inhibitor of neurodegenerative disease. International Conference on Molecular Medicine and Therapeutics, 2023. Annamalai University, Tamil Nadu, India.

15. Irene MP and **Latchoumycandane C**. Platelet-activating Factor receptor antagonist ameliorates MPTP-induced motor dysfunctions in mice. International Conference on Molecular Medicine and Therapeutics, 2023. Annamalai University, Tamil Nadu, India.

16. **Latchoumycandane C**., and P.P. Mathur. Endocrine disruptor TCDD alters male reproductive functions by inducing oxidative stress in the epididymides of rats. Global Conference on Reproductive Health with Focus on Occupational, Environmental, and Lifestyle Factors (ISSRF-2019) – JNU Conference Center, New Delhi. Indian Society for the Study of Reproduction and Fertility. January-2019. (**Invited Talk**).

17. **Latchoumycandane C.**, and McIntyre TM. Inflammatory Platelet-activating Factor receptor signaling initiates renal fibrosis during ethanol consumption via sonic hedgehog-Gli1 signaling. International Conference on "The Role of Toxicology in Public Health". 38th Annual Conference of the Society of Toxicology, India. December-2018.

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Memberships in Professional Societies

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