

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	Molecular Endocrinology	First
M.Sc.	Pondicherry University, Pondicherry, India	Animal Sciences	First
B.Sc.	Pondicherry University, Pondicherry, India	Animal Sciences	First

Teaching Experience and Research Experience

Position	University/ Institute	Teaching/Research Specialization	Year
Assistant Professor	Department of Life Sciences, Central University of Tamil Nadu, India	Cell & Molecular Biology/ Drug Discovery	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 (India).

Research Expertise: Drug discovery, cell and 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** 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	Cumulative Impact Factor	Average Impact Factor	Highest Impact Factor	Citations	h-index
41	~170	~4.36	17.425	3326	29

List of Publications:

1. Sivagurunathan S, **Latchoumycandane C.** Mitochondrial toxicant-induced neuronal apoptosis in Parkinson's disease: What we know so far. *Degenerative Neurological and Neuromuscular Disease*. 2023. In Press.
2. 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*. 2022, In Press.
3. Subhashini B, Narmadhaa S, **Latchoumycandane C.** Inflammasome Signaling in the Aging Brain and Age-related Neurodegenerative Diseases (2022). *Molecular Neurobiology*. Springer Nature (In Press). doi: 10.1007/s12035-021-02683-5. **Impact Factor 5.59.**
4. 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*. (In Press).doi: 10.2174/1874609815666220126095847. **Impact Factor 1.78.**
5. 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*. (In Press). **Impact Factor 2.22.**
6. Maniradhan M, **Latchoumycandane C.** Bisphenol A-induced Endocrine Dysfunction and its Associated Metabolic Disorders. *Endocrine, Metabolic and Immune Disorders – Drug Targets*. 2022, In Press.
7. C.K. Vidya Raj, Jayapal Venugopal, Muthuraj Muthaiah, Vineet Kumar Chadha, Usharani Brammacharry, M. Swapna, A.V. Sangeetha, Senthil Pragash Dhandapani, Venkatasaiiah Raman Kareedhi, **Latchoumycandane Calivarathan**, Mowna Karthick, Karthick Jayapal, In-vitro anti-Mycobacterium tuberculosis effect of Eugenol, *Indian Journal of Tuberculosis*, 2021, ISSN 0019-5707, doi.org/10.1016/j.ijtb.2021.09.016. (In Press). **Impact Factor 1.0.**
8. 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. **Impact Factor 4.37.**
9. **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.**
10. **Latchoumycandane C.**, Nagy LE., McIntyre TM. Myeloperoxidase formation of PAF Receptor ligands induces PAF receptor-dependent kidney injury during ethanol consumption. *Free Radic Biol Med* (2015) 86: 179-190. **Impact Factor 7.37.**
11. Dadabayev AR., Yin G., **Latchoumycandane C.**, McIntyre TM., Lesnefsky EJ., Penn MS. ApoA1 regulates CoQ10 absorption, mitochondrial function, and ischemic injury. *J Nutrition* (2014) 144 (7): 1030-6. **Impact Factor 4.2.**
12. **Latchoumycandane C.**, Nagy LE., McIntyre TM. Chronic ethanol ingestion induces oxidative kidney injury through taurine-inhibitable inflammation. *Free Radic Biol Med* (2014) 69: 403-416. **Impact Factor 7.37.**

13. **Latchoumycandane C.**, Marathe GK., Zhang R., McIntyre TM. Oxidatively-truncated phospholipids are required agents of tumor necrosis factor α (TNF α)-induced apoptosis. *J Biol Chem* (2012) 287 (21): 17693-705. **Impact Factor 5.15.**
14. **Latchoumycandane C.**, Anantharam V., Jin H., Kanthasamy A., Kanthasamy AG. Dopaminergic neurotoxicant 6-OHDA induces oxidative damage through proteolytic activation of PKC δ in cell culture and animal models of Parkinson's disease. *Toxicol Appl Pharmacol* (2011) 256 (3): 314-323. **Impact Factor 4.21, cited 16 times.**
15. 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. *J Biol Chem* (2010) 285 (29): 22211-22220. **Impact Factor 5.15.**
16. 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 Radic Biol Med* (2008) 45 (11): 1530-1541. **Impact Factor 7.37.**
17. 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. *Toxicol Appl Pharmacol* (2008) 227 (3): 451-461. **Impact Factor 4.21.**
18. 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. *Toxicol in Vitro* (2008) 21 (8): 1390-1401. **Impact Factor 3.50.**
19. Ong MMK., **Latchoumycandane C.**, Boelsterli UA. Troglitazone-induced hepatic necrosis in an animal model of silent genetic mitochondrial abnormalities. *Toxicol Sci* (2007) 97 (1): 205-213. **Impact Factor 3.70.**
 *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).
20. **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).
21. **Latchoumycandane C.**, Seah QM., Tan RCH., Sattabongkot J., Beerheide W., Boelsterli UA. Leflunomide or A77 1726 protect from acetaminophen-induced cell injury through inhibition of JNK-mediated mitochondrial permeability transition in immortalized human hepatocytes. *Toxicol Appl Pharmacol* (2006) 217 (1): 125-133. **Impact Factor 4.21.**
22. 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 (PKC δ) protects against dopaminergic neuronal degeneration in Parkinson's disease models. *Free Radic Biol Med* (2006) 41 (10): 1578-1589. **Impact Factor 7.37.**
23. 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.**

24. 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. *J Pharmacol Exp Ther* (2005) 315 (1): 69-79. **Impact Factor 3.55.**
25. **Latchoumycandane C.**, Anantharam V., Kitazawa M., Yang Y., Kanthasamy A., Kanthasamy AG. Protein kinase C δ is a key downstream mediator of manganese-induced apoptosis in dopaminergic neuronal cells. *J Pharmacol Exp Ther* (2005) 313 (1): 46-55. **Impact Factor 3.55.**
26. Anantharam V., Kitazawa M., **Latchoumycandane C.**, Kanthasamy A., Kanthasamy AG. Blockade of PKC δ proteolytic activation by loss of function mutants rescues mesencephalic dopaminergic neurons from methylcyclopentadienyl manganese tricarbonyl (MMT)-induced apoptotic cell death. *Ann N Y Acad Sci* (2004) 1035: 271-289. **Impact Factor 5.69.**
27. **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. *Arch Toxicol* (2003) 77 (5): 280-284. **Impact Factor 5.15.**
28. 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 4.22.**
29. Chitra KC., **Latchoumycandane C.**, Mathur PP. Effect of nonylphenol on the antioxidant system in epididymal sperm of rats. *Arch Toxicol* (2002): 76 (9): 545-551. **Impact Factor 5.15.**
30. **Latchoumycandane C.**, Mathur PP. Effects of vitamin E on reactive oxygen species-mediated 2,3,7,8-tetrachlorodibenzo-p-dioxin toxicity in rat testis. *J Appl Toxicol* (2002) 22 (5): 345-351. **Impact Factor 3.44.**
31. **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 4.22.**
32. **Latchoumycandane C.**, Chitra KC., Mathur PP. The effect of methoxychlor on the epididymal antioxidant system of adult rats. *Reprod Toxicol* (2002) 16 (2): 161-172. **Impact Factor 3.14.**
33. **Latchoumycandane C.**, Chitra KC., Mathur PP. Induction of oxidative stress in rat epididymal sperm after exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. *Arch Toxicol* (2002) 76 (2): 113-118. **Impact Factor 5.15.**
34. **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 4.22.**
35. **Latchoumycandane C.**, Mathur PP. Induction of oxidative stress in the rat testis after short-term exposure to the organochlorine pesticide methoxychlor. *Arch Toxicol* (2002) 76 (12): 692-698. **Impact Factor 5.15.**
36. Chitra KC., Sujatha R., **Latchoumycandane C.**, Mathur PP. Effect of lindane on antioxidant enzymes in epididymis and epididymal sperm of adult rats. *Asian J Androl* (2001) 3 (3): 205-208. **Impact Factor 3.28.**
37. Sujatha R., Chitra KC., **Latchoumycandane C.**, Mathur PP. Effect of lindane on testicular antioxidant system and steroidogenic enzymes in adult rats. *Asian J Androl* (2001) 3 (2): 135-138. **Impact Factor 3.28.**
38. Chitra KC., **Latchoumycandane C.**, Mathur PP. Chronic effect of endosulfan on the testicular functions of rat. *Asian J Androl* (1999) 1 (4): 203-206. **Impact Factor 3.28.**
39. **Latchoumycandane C.**, Mathur PP. Effects of hyperthyroidism on the physiological status of pubertal rat testis. *Biomed Lett* (1999) 59 (231): 33-41.
40. Poonkothai P., **Latchoumycandane C.**, Mathur PP. Effects of short-term triiodothyronine treatment on the testicular functions of immature rats. *Biomed Lett* (1999) 60 (236): 183-190.

41. **Latchoumycandane C.**, Gupta SK., Mathur PP. Inhibitory effects of hypothyroidism on the testicular functions of postnatal rats. *Biomed Lett* (1997) 56 (223-224): 171-177.

Books and Book Chapters

1. **Environmental Impacts on Gametogenesis & Embryogenesis: An Overview.** Authors: **C. Latchoumycandane**, Pranitha Jenardhanan 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 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. 2021, *In Press*.
6. **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. *In Press*.
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>. SpringeNature. 2023.

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

1. **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.
2. Narmadhaa S, and **Latchoumycandane C.** *In silico* analysis of phytochemicals Ginkgo biloba as potential inhibitor of neurodegenerative disease. International Conference on Molecular Medicine and Therapeutics, 2023. Annamalai University, Tamil Nadu, India.
3. 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.

4. **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.
5. **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.
6. **Latchoumycandane C.**, and McIntyre T.M. Sonic Hedgehog-Gli1 Signaling Pathway Promotes Ethanol-Induced Renal Fibrosis. 2nd J.K. Medical Science Congress 2017 and 1st Annual Conference of MP PCOS Society. Sher-i-Kashmir Institute of Medical Sciences, Srinagar in collaboration with J.K. Universities, Medical Colleges, Dental Colleges & Directorates of Health Services Jointly Sponsored by: Science & Technology. October-2017. Invited Talk.
7. **Latchoumycandane C.**, Nagy LE., McIntyre TM. The Hedgehog-Gli1 Pathway Promotes Ethanol-Induced Renal Fibrosis. Society of Toxicology, San Diego, CA, USA. MAR 2015.
8. **Latchoumycandane C.**, Jinbo L., Nagy LE., McIntyre TM. Chronic ethanol ingestion in mice induces renal inflammation and injury through the Platelet-activating Factor Receptor. Society of Toxicology, San Antonio, TX, USA. MAR 10-14, 2013.
9. **Latchoumycandane C.**, Jinbo L., Nagy LE., Feldstein A., McIntyre TM. Subchronic ethanol exposure induces acute renal injury and fibrosis in rats. Society of Toxicology, Washington DC, USA. MAR 6-10, 2011.
10. McIntyre TM., and **Latchoumycandane C.** Oxidatively truncated phospholipids are required effectors of cytokine-induced apoptosis. 18th Annual Meeting of the Society for Free Radical Biology and Medicine, Georgia, USA. NOV 16-20, 2011.
11. McIntyre TM., and **Latchoumycandane C.** Oxidatively truncated phospholipids couple TNFalpha to apoptosis. 34th Annual Scientific Meeting of the Research Society on Alcoholism, Georgia, USA. JUN 25-29, 2011.
12. **Latchoumycandane C.**, Yang L., Marathe G., McIntyre TM. Oxidized phospholipids have a crucial role in TNF alpha-induced cell death. 17th Annual Meeting of the Society for Free Radical Biology Medicine /15th Biennial Meeting of the Society for Free Radical Research International, Orlando, FL, USA. NOV 17-21, 2010.
13. Urs AB., Ong M., **Latchoumycandane C.** Troglitazone-induced hepatic necrosis in an animal model of silent genetic mitochondrial abnormalities. Society of Toxicology, Charolette, NC, USA. MAR 25-29, 2007.
14. **Latchoumycandane C.**, Goh CW., Ong MMK., Urs AB. Leflunomide is a potent inhibitor of the mitochondrial permeability transition pore in mouse model. Society of Toxicology, Charolette, NC, USA. March 25-29, 2007.
15. **Latchoumycandane C.** Goh CW. Ong MMK., Tan R.C., Urs AB. Leflunomide rescues mice from acetaminophen-induced liver injury by inhibiting JNK-mediated mitochondrial permeabilization. Office of Life Sciences Conference, National University of Singapore, Singapore. FEB 5 and 6, 2007.
16. Sun F., **Latchoumycandane C.**, Zhang D., Anantharam V., Kanthasamy A., Kanthasamy AG. (2005). Proteasomal inhibitor MG132 induces dopaminergic degeneration in cell culture and animal models. 21St International Neurotoxicology Conference, North Carolina, USA. SEP 05-06, 2005.
17. **Latchoumycandane C.**, Catherine W. Goh, Michie M.K. Urs AB. Leflunomide is a potent inhibitor of the mitochondrial permeability transition pore. Society of Toxicology, San Diego, USA. MAR 6-10, 2006.

18. Kanthasamy A., **Latchoumycandane C.**, Zhang D., Anantharam V., Kanthasamy AG. Caspase-3 dependent pro-apoptotic cleavage of PKC δ is a critical mediator in ischemia-induced striatal neuronal damage. Society of Neuroscience, Washington DC, USA. NOV 12-16, 2005.
19. Anantharam V., **Latchoumycandane C.**, Yang Y., Kanthasamy A., Jeftinija S., Kanthasamy A.G. Lentiviral mediated delivery of caspase-resistant PKC δ in the substantia nigra protects against dopaminergic neuronal degeneration in both MPTP and 6-OHDA animal models of Parkinson's disease. Society of Neuroscience, Washington DC, USA. NOV 12-16, 2005.
20. Xu Q., **Latchoumycandane C.**, Kanthasamy A., Manju R. Neuroprotective effects of natural iron chelator, phytic acid in cell culture model of Parkinson's disease. Experimental Biology, San Diego, CA, USA. APR 2005.
21. Kanthasamy AG., **Latchoumycandane C.**, Anantharam V., Kanthasamy A. A novel PKC ϵ (PKC#948;) inhibitor protects against oxidative stress-induced apoptotic cell death in neurodegenerative disease models. Experimental Biology, San Diego, CA, USA. APR 2005.
22. **Latchoumycandane C.**, Anantharam V., Kanthasamy A., Kanthasamy AG. Proteasome inhibitor aclarubicin induces dopaminergic cell death and Parkinson's-like symptoms in mice: Implications for ubiquitin-proteasome dysfunction in Parkinson's disease. Society of Toxicology, New Orleans, USA. MAR 7-10, 2005.
23. Kanthasamy A., **Latchoumycandane C.**, Anantharam V., Kanthasamy AG. Methamphetamine-induced oxidative damage in a dopaminergic neuronal cell line involves caspase-3 dependent proteolytic cleavage of an oxidative stress sensitive protein kinase c delta. Society for Neuroscience, San Diego, USA. OCT 22-28, 2004.
24. **Latchoumycandane C.**, Yang Y., Anantharam V., Kanthasamy A., Kanthasamy AG. RNAi-mediated knockdown of the oxidative stress sensitive kinase PKC ϵ protects against apoptosis in a Parkinson's disease model. Society for Neuroscience, San Diego, CA, USA. OCT 22-28, 2004.
25. **Latchoumycandane C.**, Kitazawa M., Anantharam V., Kanthasamy AG. Caspase-3 and PKC ϵ mediate Manganese-induced dopaminergic cell death in mesencephalic N27 clonal cells. Society of Toxicology, Baltimore, MA, USA. MAR 21-25, 2004.
26. **Latchoumycandane C.**, Mathur PP. Tetrachlorodibenzo-p-dioxin (TCDD) induces oxidative stress in the epididymis and epididymal sperm of adult rats. XX National Symposium on Reproductive Biology and Comparative Endocrinology, Society for Reproductive Biology & Comparative Endocrinology. Tiruchirappali, India. JAN 07, 2002.
27. Mathur PP., **Latchoumycandane C.** Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin on the epididymal antioxidant system of adult rats. Society for the Study of Reproduction, Baltimore, MA, USA. JUL 28-30, 2002.
28. **Latchoumycandane C.**, Mathur PP. Methoxychlor induced changes in the epididymal antioxidant system of adult male rats. Endocrine Society of India, Chennai, India. DEC 17-19, 2000.

Memberships in Professional Societies

- Society of Toxicology (USA). • The Endocrine Society (USA). • Society of Neuroscience (USA)
- Society for Free Radical Biology and Medicine (USA) • International Society for the Study of Xenobiotics (USA)

International/ National Research Collaborators and References

1. **Dr. Premendu P. Mathur**, Ph.D., FAMS. Department of Biochemistry and Molecular Biology, Pondicherry University, Pondicherry – 605 014, INDIA. (Email: ppmathur@yahoo.com). Phone: +91-674-272-5171.

2. **Dr. Thomas McIntyre**, Ph.D. Professor, Department of Cellular and Molecular Medicine, Lerner Research Institute, Cleveland Clinic, 9500 Euclid Avenue, Cleveland, Ohio, 44195, USA. (Email: mcintyt@ccf.org). Phone: 216-444-1048.
3. **Dr. Boelsterli Alex Urs**, Ph.D. Emeritus Professor, Boehringer Ingelheim Endowed Chair in Mechanistic Toxicology, Department of Pharmaceutical Sciences, School of Pharmacy, University of Connecticut, 69 North Eagleville Road, Storrs 06269, USA. (Email: urs.boelsterli@uconn.edu / urs.boelsterli@gmail.com). Phone: 860-486-8087.
4. **Dr. Anumantha G. Kanthasamy**, Ph.D., Chair, Distinguished Professor, Department of Biomedical Sciences, Iowa State University, Ames, IA 50011, USA. (Email: akanthas@iastate.edu). Phone: 515-294-2516.
5. **Dr. Gopal Marathe**, Ph.D., Department of Studies in Biochemistry, Chairman, Department of Studies in Molecular Biology, Manasagangotri, University of Mysore, Mysore – 570006. Karnataka India Ph: 0821-2419622 (Office) Cell: +91 9686423624 Email: marathe1962@gmail.com.