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Teaching Experience: 4.5 Years

Research Experience: 7.5 Years

Area of Interest/Specialisation: Molecular Oncology, Pharmacology, Environmental Toxicology

Research Papers

Published in International Journals	Published in National Journals	Presented in International Conference	Presented in National Conference
21	-	1	1

Number of Seminars / Conferences / Workshops / Events attended: 19

Number of Books / Chapters / Monographs / Manuals written: 4

Membership in Professional Bodies/ National/ International Bodies

Indian Association of Biomedical Scientists

National Academy of Biological Sciences

Society of Biological Chemist, India

The Indian Science Congress Association

Research Publications

1. **K. Langeswaran**^{*}, S. Gowthamkumar, S. Vijayaprakash, R. Revathy, M. P. Balasubramanian (2013). Influence of Limonin role on Wnt Signaling molecule in HepG2 cell line. J Nat Sci Biol Med (Medknow Publications) 4: 126-133. (IF: 0.652)
2. **K. Langeswaran**^{*}, S. Gowthamkumar, S. Perumal, R. Revathy, M. P. Balasubramanian (2013). Limonin – A citrus limonoid establish anticancer potential by stabilizing lipid peroxidation and antioxidant status against n-nitrosodiethylamine induced experimental hepatocellular carcinoma. Biomed Prev Nutr (Elsevier Masson) 3: 165-171.
3. **K. Langeswaran**^{*}, A. J. Jagadeesan, R. Revathy, M. P. Balasubramanian (2012). Chemotherapeutic efficacy of limonin against aflatoxin B₁ induced primary hepatocarcinogenesis in wistar albino rats. Biomed Agri Pathol (Elsevier Masson) 2: 198-205.
4. **K. Langeswaran**^{*}, R. Revathy, S. Gowthamkumar, S. Vijayaprakash, M. P. Balasubramanian (2012). Kaempferol, a natural bioflavonoid ameliorates aflatoxin B₁ (AFB₁) induced hepatocellular carcinoma through modifying metabolizing enzymes; membrane bound ATPases and mitochondrial TCA cycle enzymes. Asian Pac J Trop Biomed (Elsevier Masson) 2: S1653-S1659 (IF: 1.414).
5. **K. Langeswaran**^{*}, S. Perumal, S. Vijayaprakash, M.P. Balasubramanian (2012). Therapeutic efficacy of kaempferol against AFB₁ induced experimental hepatocarcinogenesis with reference to Lipid peroxidation, Antioxidants and Biotransformation enzymes. Biomed Prev Nutr (Elsevier Masson) 2: 252-259.
6. **K. Langeswaran**^{*}, S. Gowthamkumar, R. Revathy, M. P. Balasubramanian (2012). Attenuation of aflatoxin B₁ induced primary hepatocarcinogenesis by a citrus bioactive compound – Limonin. J Pharm Res 5: 177-182.
7. **K. Langeswaran**^{*}, A. J. Jagadeesan, M. P. Balasubramanian (2012) Modulation of Membrane Bound ATPases and Metabolizing Enzymes against N-Nitrosodiethylamine (DEN) induced Primary Liver Cancer in Wistar Albino Rats. Int J Pharm & Bio Sci 3: 156-165 (IF: 0.288).
8. **K. Langeswaran**^{*}, A. J. Jagadeesan, S. Vijayaprakash, M. P. Balasubramanian (2012) Hepatoprotective and Antioxidant activity of *Scoparia dulcis* Linn, against N-Nitrosodiethylamine (DEN) induced hepatotoxicity in Experimental Rats. Int J Drug Dev & Res (Insight Medical Publishing) 4: 115-128.
9. S. Vijayaprakash, **K. Langeswaran**^{*}, A. J. Jagadeesan, R. Revathy, M. P. Balasubramanian (2012). Protective efficacy of *Terminalia catappa* L. leaves against lead induced Nephrotoxicity in experimental rats. Int J Pharm Pharm Sci (Innovare Academic Sciences) 4: 454-458.
10. S. Perumal, L. Haribabu, **K. Langeswaran** M.P. Balasubramanian (2015). Pharmacological potential of natural flavonoid diosmin against N-Nitrosodiethylamine induced hepatocellular carcinogenesis in Wistar albino rats. Int J Res Biosciences 4: 25-36 (IF: 0.765).
11. P. Tamilselvan, **K. Langeswaran**^{*}, S. Vijayaprakash, S. Gowtham kumar, R. Revathy, M. P. Balasubramanian (2015). Efficiency of Lycopene against Reproductive Toxicity of Bisphenol

A in male Sprague Dawley rats. Biomed Prev Nutr (Elsevier Masson) 4: 491-498.

12. P. Tamilselvan, **K. Langeswaran**, B. Lokeshkumar, R. Revathy, M. P. Balasubramanian^{*} (2014). Lycopene, a carotenoid antioxidant against bisphenol A (BPA) motivated experimental male infertility. J Biomed Ther Sci (IS Publicatios) 1: 41-47.
13. A. J. Jagadeesan, **K. Langeswaran**^{*}, S. Gowthamkumar, M.P. Balasubramanian (2013). Diosgenin exhibits beneficial efficiency on human mammary carcinoma cell line MCF-7 and against NMU induced experimental mammary carcinoma. Biomed Prev Nutr (Elsevier Masson) 3: 381-388.
14. S. Vijayaprakash, **K. Langeswaran**^{*}, S. Gowthamkumar, R. Revathy, M. P. Balasubramanian (2013). Nephroprotective significance of Kaempferol on mercuric chloride induced nephrotoxicity in Wistar Albino Rats. Biomed Agi Pathol (Elsevier Masson) 3(3): 119-124.
15. A. J. Jagadeesan, **K. Langeswaran**^{*}, S. Gowthamkumar, R. Revathy, M.P. Balasubramanian (2013). Chemopreventive potential of Diosgenin on modulating glycoproteins, Kerbs cycle enzymes, carbohydrate metabolizing enzymes and biotransformation enzymes against N-Methyl-N-Nitrosourea (NMU) induced mammary carcinogenesis. Int J Pharm Pharm Sci (Innovare Academic Sciences) 5: 575-582
16. R. Revathy, **K. Langeswaran**^{*}, S. Gowthamkumar, S. Vijayaprakash, P. Tamilselvan, M.P. Balasubramanian (2013). Anti-Infertility significance of Aqueous Extract of *Ipomoea batatas* (L.) Lam. against exposure of Bisphenol A (BPA) Promoted Testicular Toxicity in Male Sprague Dawley Rats. Asian Pac J Rep (Elsevier Masson) 2: 263-271.
17. S. Gowthamkumar, **K. Langeswaran**, R. Revathy, V. Ramakrishnan (2013). Ethanolic extract of *carum carvi* (ECCC) prevents N-Nitrosodiethylamine induced phenobarbital promoted hepatocarcinogenesis by modulating antioxidant enzymes. Int J Pharm Pharm Sci (Innovare Academic Sciences) 4: 195-199.
18. P. Saraniya, M. Betsy Misba, **K. Langeswaran**^{*} (2012). Recombinant streptokinase expression optimization in *Escherichia Coli* BL21 (DE3). J Pharm Res 5: 1713-1715
19. J. Betsy misba, P. Saraniya, J. Angel, **K. Langeswaran**, S. Prakash (2012). Immunomodulatory effect of the medicinal plant extracts, *Astragalus membranaceus* & *Celosia argenticia*. J Pharm Res 5: 1751-1754.
20. K. Ashok Augustine Raj, **K. Langeswaran**, P. Krishnamoorthy (2012) Attenuation of Polychlorinated biphenyl induced hormonal disruption by lycopene. J Pharm Biomed Sci 18: 1-5.
21. S. Gowtham Kumar, V. Ramakrishnan, N. Madhusudhanan, G. Thiyagarajan, **V.K. Langeswaran**, M.P. Balasubramanian (2011). Apoptosis induced in Hepatoma cells (HepG2) by Allyl isothiocyanate associated with expression of P53 and activation of caspase-3. Int J Biol Pharma Res 2: 19-26.

Book Published

1. **Langeswaran Kulanthaivel**, Gowthamkumar Subburaj. 2012. "Limonin against Hepatocellular Carcinoma". (A natural limonoid from Citrus fruits to treat Aflatoxin B₁

induced Hepatocarcinogenesis and in Human hepatoma Cell line). LAMBERT Academic Publishing GmbH & Co. KG, Germany. **(ISBN No: 978-3-8484-9905-2)**

2. Jagadeesan Jayaraman, **Langeswaran Kulanthaivel**, Gowthamkumar Subburaj. 2012. "Diosgenin - Diosgenin against Chemical Induced Mammary Carcinogenesis and In MCF-7 Human Breast Cancer Cell Line". LAMBERT Academic Publishing GmbH & Co. KG, Germany. **(ISBN No: 978-3-659-15661-8)**

3. Revathy Rajendran, Gowtham Kumar Subburaj, **Langeswaran Kulanthaivel**. 2012. Cadmium Toxicity – Impact on reproduction. (Evaluated on edible crab *Scylla serrata*). LAMBERT Academic Publishing GmbH & Co. KG, Germany. **(ISBN No: 978-3-8473-0609-2)**

4. Revathy Rajendran, **Langeswaran Kulanthaivel**, Gowtham Kumar Subburaj. 2013. Role of *Ipomoea batatas* (L) against male infertility. LAMBERT Academic Publishing GmbH & Co. KG, Germany. **(ISBN No: 978-3-659-41875-4)**