



Dr. K. LANGESWARAN
Assistant Professor and Head (i/c)

Contact

Address : Department of Biomedical Science

Employee Number : 54406

Contact Phone (Office) : 04565- 226482, 223331

Contact Phone (Mobile) : 9884495511, 7667733773

Contact e-mail(s) : dr.langeswaran@gmail.com,
langeswaran@alagappauniversity.ac.in

Website : <https://www.alagappauniversity.ac.in/academics/faculty-of-science/school-of-biological-sciences/department-of-biomedical>

Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D. (Molecular Biology Pharmacology & Environmental Toxicology)	University of Madras	2010	Department of Pharmacology & Environmental Toxicology	-
M.Sc. Molecular Biology	University of Madras	2005	Department of Genetics	Second

B.Sc. Microbiology	University of Madras	2001	Department of Microbiology	First
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Teaching Experience

Total Teaching Experience : 12.5 Years

Position	Institution	Duration
Assistant Professor & Head i/c	Department of Biomedical Science, Science Campus, Alagappa University, Karaikudi	1st June 2023 - Till Date
Assistant Professor	Department of Bioinformatics, Science Campus, Alagappa University, Karaikudi	5 Yrs, 10 Months & 10 Days
	Department of Biotechnology, Science Campus, Alagappa University, Karaikudi	8 Months & 21 Days
	Department of Microbiology, Imayam Arts & Science College or Women, Thuraiyur	1 Year
	Department of Biotechnology, Sivagamiammal College of Arts & Science, Krishnagiri	2 Years
	Department of Industrial Biotechnology, Bharath University, Chennai	1.6 Years

Research Experience

Total Research Experience : 14 Years

Academic and Additional Responsibilities

S. No	Position	University Bodies	Period	
			From	To
1.	Coordinator	Cultural Club of Alagappa University	January 13, 2023	Till Date
2.	Deputy Warden	PG Hostel for Men, Alagappa University	May 25, 2023	Till Date

Areas of Research

Molecular Oncology, Cancer Informatics, Environmental Toxicology

Research Supervision / Guidance

Program of Study		Completed	Ongoing
	Ph.D.	-	3
	M.Phil.	-	-
M.Sc., Project	PG	13	4

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
78	13	-	6	28

Cumulative Impact Factor (as per JCR)	:	98
h-index	:	14
i10 index	:	19
Total Citations	:	620

Funded Research Projects

Ongoing Projects:

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	Rashtriya Uchcharat Shiksha Abhiyan (RUSA) (Phase - II)	Dec 2023 –	Dec 2024	Investigation anti-Tumourogenic efficacy of Tangeretin in HepG2 cell line	4,80,000

Completed Projects:

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	Alagappa University (AURF)	March 2017-	2018	Evaluation of the therapeutic significance of marine alga <i>Ulva fasciata</i> Delile in Human hepatoma cell line (HepG2)	1,00,000
2.	UGC (Start-Up Grant)	September 2017-	2019	Anti-proliferative and cytotoxic efficiency of Fucoxanthin on human hepatoma cell line – An in vitro approach	10,00,000
3.	Rashtriya Uchchatar Shiksha Abhiyan (RUSA) (Phase - I)	July 2019 -	September 2020	Investigation anti-Tumourogenic efficacy of Tangeretin in HepG2 cell line	12, 00,000

Distinctive Achievements / Awards

- Received Har Gobind Khorana Best Young Scientist Award from Bose Science Society and sponsored by Tamil Nadu Scientific Research Organization, Tamil Nadu, India.
- Dr.APJ Abdul Kalam Award for Scientific Excellence for the Year 2019 from Marina Labs, Chennai.
- Received Promising Researcher Award – 2022 in recognition of the contribution made towards EXCELLENCE IN RESEARCH at Alagappa University.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 7

Position	Programme	Duration	Institution
Convenor	International Workshop on Advances in Laboratory Techniques for Biomedical Applications	31 st January, 2024	Alagappa University, Karaikudi
Organizing secretary	National Seminar on Cancer Prevention and Management on the occasion of World Cancer Day - 2024, Department of Biomedical Science	February 5, 2024	Alagappa University, Karaikudi
Organizing Committee Member	International Conference on Structural Bioinformatics and Computer Aided Drug Design - 2019 (ICSBCADD - 2019), Department of Bioinformatics	11 th - 13 th December 2019	Alagappa University, Karaikudi
Organizing Committee Member	11 th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [SBCADD'2019], Department of Bioinformatics	12 th - 15 th February 2019	Alagappa University, Karaikudi

Organizing Committee Member	10 th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [SBCADD'2018], Department of Bioinformatics	20 th - 23rd February 2018	Alagappa University, Karaikudi
Organizing Committee Member	9th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [SBCADD'2017], Department of Bioinformatics	14 th - 17th February 2017	Alagappa University, Karaikudi
Organizing Committee Member	International Conference on Recent Trends in Biosciences Organized by Department of Biosciences	7th - 9th April, 2016	Alagappa University, Karaikudi

Events Participated

Number of Conferences / Seminars / Workshops: 57

Overseas Exposure / Visits

Paper presentation: International Conference on Environmental and Life Science (ICELS) held in Putrajaya, Malaysia

Guest Lecture: Organized by Department of Medical microbiology, Quest International University Perak, Malaysia

Membership

1. Indian Association of Biomedical Scientists - Life Member
2. National Academy of Biological Sciences - Life Member
3. Society of Biological Chemist, India - Life Member
4. Indian Science Congress Association - Life Member
5. Bioinformatics & Drug Discovery Society - Life Member
6. Bose Science Society - Life Member

Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
1.	Kiruba S, Priyanka G, Kirubhanand C, Gowtham Kumar S, Langeswaran K . A computational investigation using pharmacophore-based screening, molecular docking, and molecular dynamics simulations against kaposi sarcoma. <i>Current Computer Aided Drug Design</i> . 2024;20(3): 248 – 263.	1.7
2.	Nachammai KT, Sangavi P, Thameema Parveen S, Gowtham Kumar S, Priyanka G, Kirubhanand C, Langeswaran K . Exploration and Validation of Lead Molecules against Yellow Fever through High Throughput Virtual Screening and Molecular Dynamics Simulation. <i>Letters in Drug Design & Discovery</i> . 2024; 20:	1.0
3.	Infant deepthi S, Priyanka G, Kirubhanand C, Srinithi R, Nachammai KT, Gowtham Kumar S, Langeswaran K . Discovery of potential inhibitors for SFRP3: Ligand-based 3D pharmacophore, Virtual screening, Molecular docking, and Dynamics studies. <i>Journal of Polycyclic Aromatic Compounds</i> . 2024.	2.4
4.	Nachammai Kathiresan, Sangavi Pandian, Srinithi Ramachandran, Chandrabose Selvaraj, Langeswaran Kulathaivel . Proteomics and Genomics insights on malignant osteosarcoma. <i>Journal of Advances in protein chemistry and Structural Biology</i> . 2024.	5.4
5.	Nachammai KT, Swathilakshmi A.V Amaradeepa S Raageshwari S Poonkothai M, Langeswaran K . Unraveling the interaction mechanism of the compounds from <i>Cladophora</i> sp to recognize prospective larvicidal and bactericidal activities: <i>In vitro</i> and <i>in silico</i> approaches. <i>Journal of Molecular Biotechnology</i> . 2023.	2.6

6.	Jeyakumar M, Langeswaran K , Saranya A, BharathaRathna P, Deepika D. Phytocrystallization of silver nanoparticles using cassia alata for effective control of fungal skin pathogens. Journal of Population Therapeutics & Clinical Pharmacology. 2023; 30(18): 1550–1567.	-
7.	Thangam C, Rozario Cyril, Jayasree R, Santhosh Kumar Y, Langeswaran K , Gowtham Kumar S. Enhancement of Oral Bioavailability of Drugs through Nanotechnology: Comprehensive Review and Meta-Analysis Journal of Preventive, Diagnostic and Treatment Strategies in Medicine. 2023; 2(4): 187 –193.	-
8.	Santhosh Kumar Yasam, Gurudeva Chandrasheka, Priyanka Ganapathy, Ravindran Jaganathan, Langeswaran K , Gowtham Kumar Subbaraj. Association of FGFR2 rs2981582 polymorphism and breast cancer susceptibility: An updated systematic review and meta-analysis. Human Gene. 2023; 37: 201212.	0.7
9.	Gowtham Kumar Subbaraj, Tariq Masoodi b, Santhosh Kumar Yasam, Kirubhanand Chandrashekar, Langeswaran Kulanthaivel , Noor Ahmad Shaik, Sheema Hashem, Ammira S. Alshabeeb Akil, Ajaz A. Bhat. Anti-angiogenic effect of nano-formulated water soluble kaempferol and combretastatin in an in vivo chick chorioallantoic membrane model and HUVEC cells. Journal of Biomedicine and Pharmacotherapy.2023; 163: 114820.	7.4
10.	Gowtham Kumar S, Harini Elangovan, Prema Chandramouli, Langeswaran K , Sangavi Pandi, Senthilkumar Subramanian. Antiangiogenic potential of troxerutin and Chitosan-loaded troxerutin on chorioallantoic membrane model. BioMed Research International Journal. 2023;5956154.	3.2
11.	Rashmi P, Danis Vijay Devaraj, Jayanthi S, Saranya V, Sharon Benita Stephen, Santhosh Kumar Yasam, Gowtham Kumar S, Langeswaran K . Systemic Assessment of Solute Carrier Family 11-member A1 (rs17235409) Gene Polymorphism and Mycobacterium Tuberculosis Risk in Asian and Caucasian Population: A Comprehensive Updated Meta-analysis. International Journal of Mycobacteriology. 2023; 12(4): 127-136.	1.2
12.	Lakshmi Sundaram R, Anitha S, Sangavi P, Nachammai KT, Langeswaran Kulanthaivel , Gowtham Kumar Subbaraj, Prabhu K, Elumalai P, Ram Krishna Rao M, Senthilkumar Subramanian. Antioxidant, anti-inflammatory, and anti-carcinogenic efficacy of an ayurvedic formulation–Amritotharanamkashyam. Advances in Pharmacological and Pharmaceutical Sciences. 2023; 3387261, 1-13.	2.8
13.	Santhosh Kumar Y, Langeswaran K , C. Kirubhanand, Priyanka G, Gowtham Kumar S. Association of RAMP-1 gene polymorphism and risk of migraine: Systemic review and meta-analysis. Human Gene. 2023; 201157, 1-9.	0.7

14.	Thangam C, Rozario Cyril, Jayashree R, Santhosh Kumar Y, Langeswaran K , Billy Asir, Gowtham Kumar S. Preliminary screening of nano formulated naringenin with reference to molecular docking, characterization and biomedical application. Journal of Pharmaceutical Negative Results. 2023; 4(2):1926-938.	-
15.	Kirubhanand C, Merciline Leonora J, Anitha S, Sangeetha R, Nachammai KT, Langeswaran K , Gowtham Kumar S. Targeting potential receptor molecules in Non-Small Cell Lung Cancer (NSCLC) using In Silico approaches. Frontiers in Molecular Biosciences. 2023; 124563, 1-16.	5.0
16.	Rajesh Kumar T, Premkumar R. Ramavenkateswarai K, Anitha S, Langeswaran K , Sangavi P, Sangeetha R. Virtual Screening, Molecular Docking, Molecular Dynamics and Quantum Chemical studies on (2-methoxy-4-prop-2-enylphenyl)n-(2-methoxy-4-ityrophenyl)carbamate: A novel inhibitor of Hepatocellular Carcinoma. Journal of Biomolecular Structure & Dynamics. 2023; 41(23):13595 – 13604.	4.4
17.	Nachammai KT, Srinithi R, Chitra N, Langeswaran K , Gowtham Kumar S, Kirubhanand C, Vijayalakshmi P, Senthilkumar S. Exploration of Bioinformatics on Microbial Fuel Cell Technology: Trends, Challenges and Future Prospects. Journal of Chemistry. 2023; 6902054, 1-8.	3.0
18.	Anitha R, Sangeetha R, Arockia Jeya Yasmi Prabha E, Langeswaran K , Sangavi P. Synthesis, crystallization, XRD, Hirshfeld surface, vibrational spectra and quantum chemical studies and Bioinformatics approach of Caffeinium bisulfate: a new noncentrosymmetric form. Journal of Biomolecular Structure and Dynamics. 2023; 41(3): 982-999.	4.4
19.	Santhoshkumar Y, Thangm C, Rozamio Cyril, Hrini Murugan, Sivaranjani Selvaraj, Langeswaraan K , Gowtham Kumar S. Anti-carcinogenic activity of nano-narigenin on chick charioallantonic membrane model. Journal of Pharmaceutical Negative Results. 2022; 13(7):4038-4047.	-
20.	Abraham Hudson Mark J, Premkumar R, Sangeetha R, Lakshmi A, Sangavi P, Langeswaran K . Quantum, structural, chemical, molecular docking and dynamics studies on Quercetin: A novel inhibitor of colon cancer. Journal of Polycyclic Aromatic Compounds. 2023; 43(9): 8426-8441.	2.4
21.	Sangavi P, Langeswaran K , Sangeetha R, Gowthamkumar S, Senthilkumar R. Screening of Potential Breast Cancer inhibitors through Molecular Docking, and Molecular Dynamics Simulation. Biomed Research International Journal. 2022; 3338549, 1-9.	3.2
22.	R. Sangeetha, R. Premkumar, S.S. Maithili, C. Kirubhanand, S. Gowthamkumar, P. Sangavi, K. Langeswaran . Quantum Chemical, Vibrational, Spectroscopic, UV-Vis solvent effect, Molecular Docking and Molecular Dynamics Simulation investigation on phytocompounds from <i>Elettaria cardamomum</i> against Covid – 19. Journal of Polycyclic Aromatic Compounds. 2023; 43(5): 4184-4202.	2.4

23.	Sri Varshini G, HarshiniS, Muhammed Ali Siham, Tejaswini GK, Santhosh Kumar Y, Langeswaran K , Gowtham Kumar S. Investigation of FOXP3 (rs3761548) polymorphism with the risk of preeclampsia and recurrent spontaneous abortion: A systemic review and meta-analysis. Asian Pacific Journal of Reproduction. 2022; 11(3): 117-124.	-
24.	Vijay N, Daniel Andrew G, Abhinav P, Sangavi J, Jeyakanthan J, Gowtham Kumar S, Langeswaran K . Structural modeling of Drosophila melanogaster gut cytochrome P450s and docking comparison of fruit fly gut and human cytochrome P450s. Journal of Current Drug Metabolism. 2022; 23(4): 299-316.	2.3
25.	Shaslinah N, Sangavi P, Sangeetha R, Gowtham Kumar S, Sindhu Varghese, Langeswaran K . Screening and identification of potential inhibitor for visceral leishmaniasis through virtual screening and molecular dynamics. Journal of Genetic Engineering and Biotechnology.2022; 20: 35.	-
26.	Sangavi P, Langeswaran K , Gowtham Kumar S. Anti-carcinogenic efficacy of fucoxanthin on HepG2 cell lines. Journal of Clinical and Diagnostic Research. 2022; 16(2): XC05-09.	-
27.	Sangavi P, Sangeetha R, Langeswaran K . Identification and validation of Hydroxychavicol from Betel leaf as a promising Breast cancer inhibitor – An in vitro and in silico analysis. Journal of Current Enzyme Inhibition. 2022; 18(2): 127-134.	
28.	Santhosh Kumar Y, Langeswaran K , Hikku GS, Saravanan R, Lakshmi T, Kirubhanand C, Karthikeyan M, Vijayalakshmi P, Gowtham Kumar S. Improved antibacterial activity of water- soluble nano-formulated Kaempferol and combretastatin polyphenolic compounds. Internationa Journal of Polymer Science. 2021; 5682182, 1-12.	3.3
29.	Sangeetha R, Langeswaran K , Arockia Jeya Yasmi Prabha E, Sangavi P. Potential target identification for Hepatocellular Carcinoma (HCC) from <i>Ocimum basilicum</i> and Structural, Vibrational, Quantum and Chemical investigation of lead molecule Campesterol. Journal of Biomolecular Structure and Dynamics.2022; 40(24): 13997-14012.	4.4
30.	Gowtham Kumar S, Santhosh Kumar Y, Langeswaran K . Anti-angiogenic role of naturalflavonoids and their molecular mechanism: an update. The Egyptian Journal of Internal Medicine. 2021; 33: 29.	-
31.	Santhosh Kumar Y, Langeswaran K , Gowtham Kumar S. Association of VEGF polymorphisms and breast cancer susceptibility: Systemic review and meta-analysis. Journal of Meta Gene. 2021; 30: 100946.	-
32.	Arockia Jeya Yasmi Prabha E, Sangeetha R, Sangavi P, Langeswaran K , Athimoolam S. Experimental and Theoretical Investigations on the Structure and Vibrational spectral analysis of oxalate complex of Nicotinamide and Computational scrutiny against Prostate cancer. Journalof Biomolecular Structure and Dynamics.2022; 40(20): 9962-9973.	4.4
33.	Sangavi P, Rajapriya R, Sannathul Firthous, Langeswaran K , Gowthamkumar S. In vitro and in silico investigation on identification of bioactive compounds and potential inhibitors for Breast cancer from	-

	Musa sapientum peel. Research Journal of Biotechnology. 2021; 16(7): 180 – 196.	
34.	Arthiya M, Bhavani S, Jenisha J, Sharmila D, Sindhu V, Langeswaran K , Gowtham Kumar S, Santhosh Kumar. LDLR, MTHFR and KLOTHO gene polymorphisms as an early predictor in the risk of coronary artery disease: A Meta-Analysis. Gene Reports. 23; 2021; 101120.	-
35.	Arockia Jeya Yasmi Prabha E, Sangeetha R, Langeswaran K , Athimoolam S. Structural, Vibrational, Quantum chemical and Thermal investigation of a nutraceutical drug in new zwitter ionic cocrystal form (Nicotinic acid: Catechol) with enhanced cytotoxic activity in Cervical cancer HeLa cell line. Journal of Biomolecular Structure & Dynamics. 2021; 1-14.	4.4
36.	Sangavi P, Langeswaran K . Identification of potential elephantiasis inhibitors against UDP- Galactopyranose Mutase (UGM) using virtual screening and molecular docking. Journal of Current Enzyme Inhibition. 2021; 17(1): 57-70.	-
37.	Sangavi P, Langeswaran K . Anti-tumorigenic efficacy of Tangeretin in Liver Cancer – An in-silico approach. Journal of Current Computer-Aided drug design. 2021; 17(3): 337-343.	1.7
38.	Soundarya S, Vidhyavathi RM, Langeswaran K , Brindha M. In silico mechanistic intervention of medicinal plants derived inhibitors against ABL Kinase targeting Cervical Cancer - A Novel Approach. Biomedical Research Journal. 2021; 32(1): 1-5.	-
39.	Venkatramanan M, Sankar Ganesh P, Senthil R, Akshay J, Veeraravi A, Langeswaran K , Vadivelu J, Nagarajan S, Rajendran K, Shankar EM. Inhibition of quorum sensing and biofilm formation in <i>Chromobacterium violaceum</i> by fruit extracts of Passiflora edulis. ACS Omega. 2020; 5(40): 25605-25616.	4.1
40.	Divya M, Gayathri N, Shakthisree N, Sharon Benita Stephen, Sindhu V, Langeswaran K , Gowtham Kumar Subbaraj. Association of interleukin1 β , interleukin1 receptor antagonist, interleukin 6 and angiotensin II receptor type I gene polymorphisms with end stage renal disease: A meta-analysis. Gene Reports. 2020; 21: 100856.	-
41.	Muthumanickam S, Langeswaran K , Sangavi P, Boomi P. Screening of inhibitors as potential remedial against Ebolavirus infection: Pharmacophore-based approach. Journal of Biomolecular Structure and Dynamics. 2020; 38(2):1-14.	4.4
42.	Revathy R, Langeswaran K , Sangavi P, Perumal S. Cadmium toxicity on estuarine edible crab scyllaserrata with reference to ovarian maturation. Innovative Journal of Medical and Health Science. 2019; 9(11):675-696.	-
43.	Revathy R, Langeswaran K , Balasubramanian MP. Toxicological perspective of cadmium on Estuarine Edible Crab Scylla serrata regarding ovarian Maturation. Journal of Biomedical Research. 2019; 30(6):1-14.	-

44.	Perumal S, Langeswaran K . Diosmin anti-tumour efficacious against Hepatocellular Carcinoma. Research Journal of Pharmacy and Technology. 2019; 13(4):1-8.	-
45.	Langeswaran K , Suganya N, Sangavi P. Study on Recognition of Novel RACK1 protein Inhibitors for Small Cell Lung Cancer outlined by pharmacophore based Virtual Screening and Molecular Docking. Journal of Biocatalysis and Agricultural Biotechnology. 2019; 21: 101301.	4.0
46.	Mannikannan M, Selvaraj J, Langeswaran K , Suresh A. Inhibition Studies of HBV DNA polymerase using seed extracts of <i>Pongamia pinnata</i> . Journal of Bioinformation. 2019; 15(7): 506-515.	-
47.	Langeswaran K , Santhosh Kumar S, Gavaskar S. Antioxidant, anti-microbial and anti-cancer effectiveness of marine macro alga <i>Ulva fasciata</i> Delile. Biomedical Research. 2019; 30 (4): 617- 627.	-
48.	Dharani N, Langeswaran K , Santhoshkumar S. Identification of novel inhibitor targeting Fyn kinase using molecular docking analysis. Journal of Bioinformation. 2019; 15(6): 419- 424.	-
49.	Langeswaran K , Jeyakanthan J, Jegannath Babu R, Abir Biswas, Dhurgadevi KR. Identifying Dual Leucine Zipper Kinase (DLK) inhibitors using E-Pharmacophore screening and molecular docking. Journal of Receptors and Signal Transductions. 2019; 39(1):1-7.	2.8
50.	Langeswaran K , Jeyakanthan Jeyaraman, Abir Biswas, Gowtham Kumar Subbaraj, Santhoshkumar S. Identification of potential inhibitors for Penicillin binding protein (PBP) from <i>Staphylococcus aureus</i> . Journal of Bioinformation. 2018; 14(9):471-476.	-
51.	Langeswaran K , Richard M, Jeyakanthan J, Saravanan S. Insights from the molecular modelling, docking analysis of Illicit drug and bomb compounds with Honey Bee Odorant Binding Proteins (OBPs). Journal of Bioinformation. 2018; 14(5):219-231.	-
52.	Perumal S, Langeswaran K , Selvaraj J, Ponnulakshmi R, Shyamaladevi B, Balasubramanian MP. Effect of diosmin on apoptotic signalling molecules in N-nitroso diethylamine induced hepatocellular carcinoma in experimental rats. Journal of Molecular and Cellular Biochemistry. 2018; 449(1-2):27-37.	4.3
53.	Langeswaran K , Selvaraj J, Manikannan M, Vijayaprakash S. Protective Effect of Kaempferol on Biochemical and Histopathological Changes in Mercuric Chloride Induced Nephrotoxicity in Experimental Rats. Journal of Biologically Active Products from Nature. 2018; 8(2):125-136.	2.1
54.	Boomi P, Jeyakanthan J, Poorani G, Anandha Raj J, Samayanan S, Palaniappan SP, Manisankar P, Gurumalles Prabhu H. Langeswaran K . Improved Antibacterial activity effect of poly(2- aminothiophenol)-silver nanocomposite against human pathogens. Journal of Photochemistry & Photobiology, B: Biology. 2018; 178: 323-329.	5.4
55.	Revathy R, Langeswaran K , Ponnulakshmi R, Balasubramanian MP, Selvaraj J. Ipomoea batatas Tuber Efficiency on Bisphenol A-induced Male Reproductive Toxicity in Sprague Dawley Rats. Journal of	2.1

	Biologically Active Products from Nature. 2017; 7(2): 118 –13.	
56.	Tamilselvan P, Langeswaran K , Vijayaprakash S, Gowthamkumar S, Balasubramanian MP. Efficiency of Lycopene against Reproductive Toxicity of Bisphenol A in male Sprague Dawley rats. Journal of Biomedicine and Preventive Nutrition. 2015; 4: 491-498.	-
57.	Perumal S, Haribabu L, Langeswaran K , Balasubramanian MP. Pharmacological potential of natural flavonoid diosmin against N-Nitrosodiethylamine induced hepatocellular carcinogenesis in Wistar albino rats. International Journal of Research in Biosciences. 2015; 4:25-36.	-
58.	Tamilselvan P, Langeswaran K , Lokeshkumar B, Revathy R, Balasubramanian MP. Lycopene, a carotenoid antioxidant against Bisphenol A (BPA) motivated experimental male infertility. Journal of Biomedical & Theoretical Sciences. 2014; 1:41-47.	-
59.	Langeswaran K , Gowthamkumar S, Vijayaprakash S, Revathy R, Balasubramanian MP. Influence of Limonin role on Wnt Signaling molecule in HepG2 cell line. Journal of Natural Science, Biology and Medicine. 2013; 4:126-133.	-
60.	Langeswaran K , Gowthamkumar S, Perumal S, Revathy R, Balasubramanian MP. Limonin – A citrus limonoid establish anticancer potential by stabilizing lipid peroxidation and antioxidant status against n-nitrosodiethylamine induced experimental hepatocellular carcinoma. Journal of Biomedicine and Preventive Nutrition. 2013; 3:165-171.	-
61.	Jagadeesan AJ, Langeswaran K , Gowthamkumar S, Balasubramanian MP. Diosgenin exhibits beneficial efficiency on human mammary carcinoma cell line MCF-7 and against NMU induced experimental mammary carcinoma. Journal of Biomedicine and Preventive Nutrition. 2013; 3:381-388.	-
62.	Vijayaprakash S, Langeswaran K , Gowtham kumar S, Revathy R, Balasubramanian MP. Nephroprotective significance of Kaempferol on mercuric chloride induced nephrotoxicity in Wistar Albino Rats. Journal of Biomedicine and Aging Pathology. 2013; 3(3):119-124.	-
63.	Jagadeesan AJ, Langeswaran K , Gowtham kumar S, Revathy R, Balasubramanian MP. 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. International Journal of Pharmacy and Pharmaceutical Sciences. 2013; 5:575-582.	-
64.	Revathy R, Langeswaran K , Gowthamkumar S, Vijayaprakash S, Tamilselvan P, Balasubramanian MP. 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 Pacific Journal of Reproduction. 2013; 2:263-271.	-

65.	Gowtham Kumar S, Langeswaran K , Revathy R, Ramakrishnan V. Ethanolic extract of carum carvi (EECC) prevents N-Nitrosodiethylamine induced phenobarbital hepatocarcinogenesis by modulating antioxidant enzymes. International Journal of Pharmacy and Pharmaceutical Sciences. 2013; 4:195-199.	-
66.	Langeswaran K , Jagadeesan AJ, Revathy R, Balasubramanian MP. Chemotherapeutic efficacy of limonin against aflatoxin B ₁ induced primary hepatocarcinogenesis in Wistar albino rats. Journal of Biomedicine and Aging Pathology. 2012; 2:198-205.	-
67.	Langeswaran K , Revathy R, Gowtham Kumar S, Vijayaprakash S, Balasubramanian MP. Kaempferol, a natural bioflavonoid ameliorates aflatoxin B ₁ (AFB ₁) induced hepatocellular carcinoma through modifying metabolizing enzymes, membrane bound ATPases and mitochondrial TCA cycle enzymes. Asian Pacific Journal of Tropical Biomedicine. 2012; 2: S1653-S1659.	-
68.	Langeswaran K , Perumal S, Vijayaprakash S, Balasubramanian MP. Therapeutic efficacy of Kaempferol against AFB ₁ induced experimental hepatocarcinogenesis with reference to Lipid peroxidation, Antioxidants and Biotransformation enzymes. Journal of Biomedicine and Preventive Nutrition. 2012; 2:252-259.	-
69.	Langeswaran K , Jagadeesan AJ, Balasubramanian MP. Modulation of Membrane Bound ATPases and Metabolizing Enzymes against N-Nitrosodiethylamine (DEN) induced Primary Liver Cancer in Wistar Albino Rats. International Journal of Pharma & Bioscience. 2012; 3: 156-165.	-
70.	Langeswaran K , Jagadeesan AJ, Vijayaprakash S, Balasubramanian MP. Hepatoprotective and Antioxidant activity of <i>Scoparia dulcis</i> Linn, against N-Nitrosodiethylamine (DEN) induced hepatotoxicity in Experimental Rats. International Journal of Drug Development & Research. 2012; 4:115-128.	-
71.	Vijayaprakash S, Langeswaran K , Jagadeesan AJ, Revathy R, Balasubramanian MP. Protective efficacy of Terminalia catappa L. leaves against lead induced Nephrotoxicity in experimental rats. International Journal of Pharmacy and Pharmaceutical Sciences. 2012; 4:454-458.	-
72.	Saraniya P, Betsy Misba J, Langeswaran K . Recombinant streptokinase expression optimization in Escherichia coli BL21 (DE3). Journal of Pharmacy Research 2012; 5(3): 1713-1715.	-
73.	Betsy Misba J, Saraniya P, Angel J, Langeswaran K . Prakash S. Immunomodulatory effect of the medicinal plant extracts, <i>Astragalus membranaceus</i> and <i>Celosia argentea</i> . Journal of Pharmacy Research 2012; 5(3): 1751-1754.	-
74.	Langeswaran K , Gowtham Kumar S, Revathy R, Balasubramanian MP. Attenuation of aflatoxin B ₁ induced primary hepatocarcinogenesis by a citrus bioactive compound -Limonin. Journal of Pharmacy Research. 2011; 5:177-182.	-

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Resource persons in various capacities

National Conferences	:	4
International Conferences	:	3
Invited Lectures	:	12

Book Chapter Published

S.No	Title of the Book	Title of the Chapter	Publisher & Year	ISBN
1.	Cancer Versus Nutraceuticals	Nutraceuticals Therapeutics against Cancer	Nova Science Publishers. 2017	978-1-53612-529-0
2.	Book Title: Advances in Therapeutics and Diagnostics of Human Diseases	Male reproductive toxicity and infertility	Nova Science Publishers. 2019	978-1-53615-382-8
3.	Cardiovascular and Coronary Artery Imaging.	Gene Polymorphism and the risk of coronary artery disease	Elsevier Academic Press. 2021	9780128227060
4.	Therapeutic Proteins Against Human Diseases.	Drug Targeting and its Therapeutics	Springer Nature. 2022	978-981-16-7897-4
5.	Handbook of Animal Models and its Uses in Cancer Research	Perspectives of Stem Cell Therapy: a promising therapeutic for cancer model and Alzheimer's disease.	Springer Nature. 2022	978-981-19-1282-5
6.	Handbook of Animal Models and its Uses in Cancer Research	Triple-Negative Breast Cancer (TNBC) - clinical features and therapeutic targets.	Springer Nature. 2022	978-981-19-1282-5
7.	Handbook of Animal	Chorioallantoic Membrane	Springer Nature.	978-981-19-1282-5

	Models and its Uses in Cancer Research	(CAM) AND IN OVA models as potential platforms for testing anti-cancer agents	2022	
8.	Handbook of Animal Models and its Uses in Cancer Research	Applications of Nanomedicine in animal models of cancer	Springer Nature. 2022	978-981-19-1282-5
9.	Handbook of Animal Models and its Uses in Cancer Research	Therapeutic approaches and models in retinoblastoma	Springer Nature. 2022	978-981-19-1282-5
10.	Cardiovascular and Coronary Artery Imaging. Volume II	Imaging modalities for congenital heart disease and gene polymorphism and its association with Coronary artery and cardiovascular diseases	Elsevier Academic Press. 2022	9780128219836
11.	Algae Materials: Applications Benefitting Health	Perspectives of Algae Materials 2.0	Elsevier. 2022	978-0-443-18816-9
12.	Recent Advances in Diabetes Research and Management	Diabetes and other comorbidities-microvascular and macrovascular diseases diabetes and cancer.	Springer Nature. 2023	978-981-19-0026-6
13.	Recent Advances in Diabetes Research and Management	Diabetic nephropathy: Role of genetic factors on disease progression	Springer Nature. 2023	978-981-19-0026-6
14.	Handbook of Oncobiology: From Basic to Clinical Sciences	Squamous Cell Carcinoma Predisposition Pathophysiology, Diagnosis and Treatment	Springer Nature. 2023	978-981-99-2196-6
15.	Evidence-based Functional Foods for Prevention of Age-related Diseases	Preventive Role of Nutraceutical Agents Against Aging.	Springer Nature. 2023	978-981-99-0533-1
16.	Nutrition and Obsessive Disorders	Pathophysiology of Obsessive-Compulsive Disorder	Springer Nature. 2023	9781003387893-12.
17.	Phospholipases in Physiology & Pathology	Phospholipase A ₂ and Hepatocellular Carcinoma Progression.	Elsevier. 2023	978-0-323-95687-1
18.	Phospholipases in Physiology & Pathology	Role of phospholipase A ₂ in squamous cell carcinoma and breast cancer.	Elsevier. 2023	978-0-323-95687-1
19.	Reverse Engineering of Regulatory Networks in	Next-generation sequencing to study the DNA interaction	Springer. 2024	978-1-0716-3461-5

	the book series Methods in Molecular Biology			
20.	Biodegradable Polymers, Blends and Biocomposites: Trends and Applications	Economics of Bioplastics and Biobased Products	Taylor & Francis. 2024	9781032302492
21.	Pathophysiology of Obsessive – Compulsive Disorder	Nutrition and Obsessive – Compulsive Disorder: The Interplay	Taylor & Francis. 2024	9781003387893

Monograph Published

S.No	Authors	Title of the Monograph	Publisher & Year	ISBN
1	Langeswaran Kulanthaivel, Gowtham Kumar Subbaraj	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. 2012	978-3-8484-9905-2
2	Jagadeesan Jayaraman, Langeswaran Kulanthaivel, GowthamKumar Subburaj.	Diosgenin - Diosgenin against Chemical Induced Mammary Carcinogenesis and in MCF-7 Human Breast Cancer Cell Line	LAMBERT Academic Publishing GmbH & Co. KG, Germany. 2012	978-3-659-15661-8
3	Revathy Rajendran, Gowtham Kumar Subburaj, Langeswaran Kulanthaivel	Cadmium Toxicity – Impact on reproduction. (Evaluated on edible crab <i>Scylla serrata</i>)	LAMBERT Academic Publishing GmbH & Co. KG, Germany. 2012	978-3-8473-0609-2
4	Revathy Rajendran, Langeswaran Kulanthaivel, Gowtham Kumar Subburaj	Role of <i>Ipomoea batatas</i> (L) against male infertility	LAMBERT Academic Publishing GmbH & Co. KG, Germany. 2013	978-3-659-41875-4
5	Perumal Srinivasan, Langeswaran Kulanthaivel	Therapeutic strategies of Diosmin – An experimental approach	LAMBERT Academic Publishing GmbH & Co. KG, Germany. 2017	978-3-330-03503-4

Book Edited

S. No	Title of the Book	Publisher	ISBN
1.	Cancer Versus Nutraceuticals	Nova Science Publishers	978-1-53612-529-0
2.	Advances in Therapeutics and Diagnostics of Human Diseases.	Nova Science Publishers	978-1-53615-382-8

Text Book Published

S.No	Authors	Book Title	Publisher Name & Year	ISBN
1.	T. Rajesh Kumar, K. Langeswaran, R. Sangeetha.	Nano Physics	New Century Book Century, 2022	978-81-2344-240-2