

Dr. K. LANGESWARAN Assistant Professor

Contact

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Academic Qualifications: M.Sc., Ph.D.

Ph.D. (Molecular Biology - Pharmacology Department of Pharmacology Environmental Toxicology) (2007 - 2010) Institute of Basic Medical Section 1.

University of Madras

M.Sc. (Molecular Biology) (2003 – 2005) Department of Genetics, Institute of Basic

Medical Sciences, **University of Madras**

B.Sc. (Microbiology) (1999 - 2002) Department of Microbiology,

Kandaswamy Kandar's College, Periyar

Sciences,

University

Teaching Experience: 11 Years

Research Experience: 15 Years

Additional Responsibilities

- Member in Department Purchase Committee
- Member in Examination Board
- Member in Department Purchase Committee
- Member in Department Research Committee
- Co-ordinator for Mentor/Mentee report
- Co-ordinator for Coaching for competitive Exams (NET/SET/GATE)
- Co-ordinator for Vivekananda Cadet Crops
- Member in Department Research Committee (DRC)

Areas of Research

Cancer Biology, Cancer Informatics, Environmental Toxicology

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	-	2
	M.Phil.	•	-
Project	PG	13	-
	UG / Others	-	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Monographs
43	9	Nil	8	5

Cumulative Impact Factor (as per JCR) : 64.099
h-index : 11
i10 index : 13
Total Citations : 358

Funded Research Projects

Completed Projects

S.		Period			Budget
No	Agency	From	То	Project Title	(Rs. In lakhs)
1	AURF	2017	2019	Evaluation of therapeutic significance of marine macro alga Ulva fasciata Delile in Human Hepatoma cell line (HepG2)	1.00
2	UGC	2016	2018	Anti-proliferative and Cytotoxic efficiency of Fucoxanthin on human hepatoma cell line – An <i>In vitro</i> approach	10.00

Events organized in leading roles

- International Conference on Recent Trends in Biosciences (7th 9th April, 2016) Organized by Department of Biosciences, Alagappa University, Karaikudi, Tamil Nadu, India. (Organizing Committee Member).
- 9th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [SBCADD'2017] with Schrodinger during February 14th- 17th, 2017 (Organizing Member).
- 10th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [SBCADD'2018] with Schrodinger during February 20th- 23rd, 2018 (Organizing Member).
- 11th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [SBCADD'2019] with Schrodinger during February 12th- 15th, 2019 (Organizing Member).
- International Conference on Structural Bioinformatics and Computer Aided Drug Design 2019 (ICSBCADD 2019) organized by the Department of Bioinformatics, Alagappa University, Karaikudi on 11th 13th Dec 2019 (Organizing Member)
- Co-Chairperson for asession in the International Conference on Recent Trends in Bioplastics organized by the Department of Microbiology, Science Campus, Alagappa University, Karaikudi (9-10 Dec 2019)
- Co-Chairperson for a Technical Session in the International Conference on Innovation and Emerging Trends in Botany (ICIETB -2019) organized by the Department of Botany, Alagappa University, Karaikudi on 6th 7th Nov 2019.

Co-Chairperson for a Technical Session in the International Conference on Structural Bioinformatics and Computer Aided Drug Design – 2019 (ICSBCADD - 2019) organized by the Department of Bioinformatics, Alagappa University, Karaikudi on 11th 13th Dec 2019.

Events Participated - Paper Presentation

- JUL 2008 Oral presentation in Annual conference of southern regional Indian Pharmacological society organized by Department of Pharmacology, JIPMER, Puducherry. Title: Anti-Carcinogenic efficiency of Limonin in HepG2 cells.
- JAN 2009 presented a poster at the International Conference on Molecular Medicine, held at Indian Institute of Technology Madras, organized by Laila pharma & IIT-M. Chennai. Title: Anti-cancer and Anti-oxidant activity of Ethanolic extract of Scopario dulcis against N-Nitrosodiethylamine (NDEA) induced Hepatocellular carcinoma (HCC) in Wistar albino rats.
- **DEC 2016** Presented a poster in International conference on "Recent Trends in Microbiology (RTM 2016)" conducted by Department of Microbiology, Science campus, Alagappa University, Karaikudi. Title: Bioremediation of biofouling: A Metagenomic and proteomic approaches.
- JAN 2018 Presented a poster in International conference on "Recent Trends in Microbiology (RTM 2018)" conducted by Department of Microbiology, Science campus, Alagappa University, Karaikudi. Title: Efflux Pump systems in Bacteria: A novel mechanism towards the drug mechanism.
- **FEB 2018** Presented a poster in National symposium cum workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" organized by Department of Bioinformatics, Science campus, Alagappa University, Karaikudi. Title: Effect of lupeol on insulin receptor and glucose transporter 4 expression in adipose tissue of high fat diet and sucrose induced type -2 diabetic rats.
- **FEB 2018** Presented a poster in National symposium cum workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" organized by Department of Bioinformatics, Science campus, Alagappa University, Karaikudi. Title: In silico analysis of Brain penetrant inhibitor against Dual Leucine zipper kinase (DLK) a Potential Alzheimers target.
- **FEB 2018** Presented a poster in on National symposium cum workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" organized by Department of Bioinformatics, Science campus, Alagappa University, Karaikudi. Title: In silico analysis of Elephantiasis inhibitors against UDP-galactopyranose mutase (UDP).

- FEB 2019 Presented a poster in National symposium cum workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" organized by Department of Bioinformatics, Science campus, Alagappa University, Karaikudi. Title: Pharmacophore modeling and atom-based 3D QSAR studies on damantanediperazine 3.47 derivatives as Nucleoprotein inhibitor.
- **FEB 2019** Presented a poster in National symposium cum workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" organized by Department of Bioinformatics, Science campus, Alagappa University, Karaikudi. Title: Structure-based screening of compounds against RNA-dependent RNA polymerase from Lassa virus.
- AUG 2019 presented a paper in the 9th National conference on Natural Sciences Organized by Bose Science Society at Pushkaram College of Agriculture Sciences, Pudukkottai, and Tamil Nadu. Title: Identification of potential inhibitor for COX-2 against Breast cancer.
- **SEP 2019** Oral Presentation in International conference on Environmental and Life Science (ICELS) held in Putrajaya, Malaysia. Title: High Throughput Virtual screening and Molecular dynamics studies for RACK1 inhibitor against Small Cell Lung Cancer.
- **SEP 2019** presented a paper as poster in International conference on Advanced Materials for sustainable energy and sensors organized by Department of Physics, Alagappa University, Science campus, Karaikudi. Title: Anti-Cancer effect of Tangeretin against HepG2 cells- An *In vitro* study.
- **SEP 2019** Presented a poster in 4th Annual Conference of the Society for the Study of Xenobiotics (SSX-2019), organized by IISC, Bangalore. Title: In vitro and In silico investigation on Identification of bioactive compounds and potential inhibitor for Breast cancer from Musa sapientum peel.
- MOV 2019 presented a paper in the World Congress on Leptospirosis organized by ICMR- RMRC jointly with WHO at Port Blair, Andaman & Nicobar Island, India. Title: Identification of potential inhibitor for Leptospirosis A computational approach.
- **DEC 2019** presented a poster in International conference on "Recent Trends in Bioplastics, 2019 conducted by Department of Microbiology, Science Campus, Alagappa University, Karaikudi. Title: Identification of Potential inhibitor against deadly disease Ebola Virus: A Computational approach.
- **DEC 2019** Presented a poster in International conference on Structural Bioinformatics and Computer Aided Drug Design 2019 (ICSBCADD 2019) organized by the Department of Bioinformatics, Alagappa University, Karaikudi. Title: Anti-carcinogenic efficacy of Tangeretin in Liver cancer An In-silico approach.
- **FEB 2020** presented a poster in International Conference on Drug Discovery (ICDD 2020) organized by BITS, Pilani, Hyderabad. Title: A Computational approach to discover the potential inhibitor for TNBC.

Workshop Participated

- JAN 2008 Workshop on "Thesis Writing and Scientific Paper Publishing" Conducted by Science City, Tamil Nadu Government, Chennai
- MAY 2008 Training on Chromatography and Molecular Biology Techniques organized by the school of Biotechnology, Chemical and Biomedical Engineering, VIT University, Vellore
- APR 2009 Participated in the workshop on "PATENT AWARENESS" organized by the patent information cell, University of Madras in association with Tamil Nadu state council for science & technology held at Guindy campus of the University of Madras
- MAR 2011 International Symposium & Workshop on "The Current Trends in Clinical Genetics and Genomic Medicine" held at Chettinad University, approved by National Academy of Medical Sciences, India
- MAR 2012 Participated in the one-day technical workshop on "Recent Advancements in PCR" organized by the Department of Industrial Biotechnology, Bharath University, Chennai
- **FEB 2012** Participated in workshop on Ajax enabled web applications conducted by Bharath University, Chennai.
- **SEP 2016** International workshop on "Molecular Physiology, Therapeutics and Experimental Medicine" (MPTEM 2016) organized by Department of Animal Health and Management, Alagappa University, Karaikudi
- **SEP 2016** International workshop on "Data Science & Analytics" organized by Department of Computer Science, Alagappa University, Karaikudi
- **DEC 2016** National Level Workshop on Gas Chromatography (GC- DMB 2016) organized by Department of Microbiology, Alagappa University, Karaikudi
- MAR 2017 Training Programme on Business Resource of solid waste management through vermicomposting organized by Department of Animal Health and Management, Alagappa University, Karaikudi
- OCT 2017 Short Term Training Programme on Research Publication and Anti-Plagiarism organized by the Department of English and Foreign Languages & Centre for Technical and Academic Writing, Alagappa University, Karaikudi
- JAN 2018 Participated in the four days on "Commercialization Prospects of Microbial Formulates" Jointly organized by Department of Microbiology & University Business Collaboration (UBCC), Alagappa University during 22-25 January, 2018

- AUG 2018 Participated in the CME cum Workshop on ANA Diagnostics IIFA organized by the Department of Microbiology, Sri Manakula Vinayagar Medical College and Hospital, Pondicherry and Accredited by The Tamil Nadu Medical Council
- **DEC 2018** Participated in Two Days National workshop on Indigenous cow management and their value-added products
- **FEB 2019** Participated in one day workshop on "Technical and Scholarly Writing" sponsored by RUSA Phase 2.0 Scheme at Alagappa University, Karaikudi
- MAR 2019 Participated in the CME cum Workshop on "Cell Culture and Molecular Techniques in Research and Diagnostic Microbiology" organized by the Department of Microbiology & CRL, Sri Manakula Vinayagar Medical College and Hospital, Pondicherry and Accredited by The Tamil Nadu Medical Council
- APR 2019 Two days Short Term Training Programme on Mobile Apps organized by University Business Collaboration Centre and Department of Computer Applications, Alagappa University, Karaikudi
- APR 2019 Participation in Hands-on Training in cancer cell culture Techniques and cell- based assays conducted by Cancer Biology Lab of Centre for Nanoscience and Nanotechnology, International Research Centre, Sathyabama Institute of Science and Technology, Chennai.
- JUN 2019 Attended Three Days Workshop on Research Methods and Latex organized by Alagappa University, Karaikudi
- JUN 2019 Participated in workshop on Biomedical Applications in Translational Research (BATR-2019) Department of Biomedical Sciences, Science campus, Alagappa University, Karaikudi

Conference & Symposium Attended

- **FEB 2004** Indo-Australian conference on "Biotechnology in medicine" held at Indian Institute of Science, Bangalore
- JUL 2004 Awareness programme on "Applications of Radioisotopes and radiation technology for societal development" held at Anna University, Chennai
- FEB 2007 National conference on "Genomics: Impact on human health" held at Andhra Pradesh Akademi of sciences, Hyderabad
- MAR 2007 National seminar on "Current trends in Nanotoxicology" held at department of Pharmacology and Environmental Toxicology, University of Madras, Chennai
- **AUG 2007** Science seminar "Basic sciences: Scope and hope" organized by University of Madras, Chennai

- MOV 2008 1ST International stem cell summit India, organized by the Indian Institute of Technology Madras & Lifeline Hospitals, held at IITM, Chennai
- **FEB 2009 One** day seminar on "Stress Management" held at Dr. ALM Post Graduate Institute of Basic Medical Sciences, University of Madras, Sekkizhar Campus, Chennai
- MAR 2011 National conference on "Recent biotechnological perspectives in human diseases and therapeutics" held at Bharath University
- **MAR 2011** International conference on "Emerging trends in Bio-Engineering" held at Bharath University
- AUG 2011 International Seminar on Fermentation Technology conducted by Department of Industrial Biotechnology, Bharath University, Chennai
- **SEP 2011** Faculty development programme conducted by Department of Industrial Biotechnology, Bharath University, Chennai
- **SEP 2014** International Fertility Colloquium 2014 conducted by Chettiand Hospital and Research Institute, Kelambakkam, Chennai
- MAR 2015 National Symposium on "Genomics and Human Health" conducted by Department of Genetics, Institute of Basic Medical Sciences, Taramani, Chennai
- APR 2016 International Conference on "Recent Trends in Biosciences" (ICRTB 2016) organized by the Biosciences Departments, Science Campus, Alagappa University, Karaikudi
- **OCT 2016** World Animal Day organized by Department of Animal Health & Management, Science Campus, Alagappa University, Karaikudi.
- **DEC 2016** Participated in International conference on "Recent Trends in Microbiology (RTM 2016)" conducted by Department of Microbiology, Science campus, Alagappa University, Karaikudi
- JAN 2017 Participated in the Faculty development (Enrichment) programme "Accreditation Quality Enhancement" held in Alagappa University
- FEB 2017 Attended the National Seminar on Nanomaterials for Specialized Applications (NMSA 2017) & "World Standards Day" Organized by Department of Nanoscience and Technology, Alagappa University, Karaikudi
- **MAR 2017** Participated in the one-day conference on Exploring Commercialization of Biosensors in India organized by the Department of Bioelectronics and Biosensors, Alagappa University, Karaikudi.
- **SEP 2017** Participated in UGC Sponsored National Conference on Trends in Microbiology (NCTM-2017) organized by Department of Microbiology, Science campus, Alagappa University, Karaikudi.
- **OCT 2017** Participated in World Animal Day organized by Department of Animal Health & Management, Science Campus, Alagappa University, Karaikudi.

- JAN 2019 Participated in International conference on "Recent Trends in Microbiology (RTM 2019) conducted by Department of Microbiology, Science Campus, Alagappa University, Karaikudi
- MAR 2019 Participated in International conference on Applied Nanoscience & Nanotechnology conducted by Department of Nanoscience and Technology, Science campus, Alagappa University, Karaikudi
- APR 2019 Participated in International conference on Bioplastics- 2019 conducted by Department of Microbiology, Science campus, Alagappa University, Karaikudi under RUSA 2.0
- AUG 2019 Participated in the Theme Meeting on "Environmental Receptivity of Industrial Effluents and Their Influence on Marine Ecology & DAE Technologies for Water Treatment" organized by the Department of Biotechnology, Alagappa University, Karaikudi

Webinar Participated

- May 2020 participated in "International webinar on Biotechnology: Application areas and Development process" organized by the Directorate of Distance Education Biotechnology wing, Alagappa University, Karaikudi.
- **May 2020** participated in "International webinar on Novel approaches: Human therapy and Animal nutrition" organized by the Directorate of Distance Education Microbiology wing, Alagappa University, Karaikudi.
- June 2020 participated in "National level Webinar on Learning Management system using Canvas in structure" organized by the Department of Computer Application, Don Bosco College of Arts and Science.
- Aug 2020 participated in "Webinar on the Response of the DBT's Autonomous Institutes to COVID-19 Part I" organized by India Alliance.
- Oct 2020 participated in "DBT webinar: Showcasing Demonstrated Waste-To-Value Technologies" organized by India Alliance.
- Oct 2020 participated in "Webinar on the Response of the DBT's Autonomous Institutes to COVID-19 Part III" organized by India Alliance.
- Oct 2020 participated in "Webinar on Emerging diagnostics techniques in pathogen identification organized by the Department of Genetic Engineering, SRM Institute of Science and Technology, Chennai
- MOV 2020 participated in "IRMI Webinar on Research costing as a tool for enabling a sustainable research environment" organized by India Alliance.

Other Training Programs

- Participated in 100th Orientation Programme conducted by UGC- Human Resource Development Centre, Bharathidasan University, Tiruchirappalli.
- Participated in Refresher Course in Life Sciences conducted by UGC- Human Resource Development Centre, Bharathidasan University, Tiruchirappalli.
- Faculty Development Program on Research, Publication and Patent Filing Organized by Department of Basic Medical Sciences, Sathyabama Dental College and Hospital (10-08-2020 to 15-08-2020) Tamil Nadu, India
- Inter-Disciplinary Online Two Week Refresher Course/Faculty Development Programme on "Managing Online Classes & Co-creating MOOCS 7.0" from 05-August-2021 to 19th August 2021 Organized by Teaching Learning Centre, Ramanujan College, University of Delhi Under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching in collaboration with CMS College, Kottayam, Kerala.

Membership in Professional Bodies

- Indian Association of Biomedical Scientists (Life Member)
- National Academy of Biological Sciences (Life Member)
- Society of Biological Chemist, India (Life Member)
- The Indian Science Congress Association (Life Member)
- Bioinformatics & Drug Discovery Society (Life Member)
- ♥ Bose Science Society (Life Member)

Resource persons in various capacities

- Guest Lecture on "Molecular Basis of Hepatocellular Carcinoma" on 27-Feb-2018 organized by Science Club, Mannar Thirumalai Naicker College, Madurai.
- EME Scientific Talk on **"Primary Liver Cancer Diagnostics and Therapeutics"** at Department of Medical microbiology, Quest International University Perak, Malaysia on 2nd May 2018
- Guest Lecture on "Molecular Biology Techniques" on 22-Feb-2019 organized by Department of Microbiology, Kandaswami Kandar's College, Velur, Namakkal.
- Special Lecture on "Computational Studies in Drug Designing against the deadly disease Cancer" on 09-Nov-2020(Biochemistry Association Inaugural Guest Lecture) organized by Department of Biochemistry, St.Joseph's College, Tiruchirappalli

- Resource Person for National Virtual Seminar on New Era in *In silico* Biology and DNA polymorphism in Health and Diseases on 13-March-2021 organized by Department of Biochemistry, St.Joseph's College, Tiruchirappalli. **Title: Bioinformatics The Commencement of a New Era of Biology**.
- Resource Person for **State Level Symposium on Implications for Health and Design** on 3rd April 2021 organized by PG and Research Department of Microbiology, Kandaswami Kandar's College, Velur, Namakkal.
- Guest Lecture on "Bioinformatics Approaches for the Treatment of Cancer" on 24-Dec-2021 organized by Department of Microbiology, AVS College of Arts and Science, Salem
- Invited talk on "Pathways and Biomarkers of Cancer" organized by University of Madras, MHRD-RUSA 2.0 Entrepreneurship & Career Hub under skill-based internship programme on molecular diagnostic techniques on 09-03-202
- Seminar on "Cancer Biology and Cancer Informatics An overview" Organized by Department of Biotechnology, Sri Ganesh College of Arts and Science, Ammapet, Salem.
- Delivered a lecture in one day Lecture Workshop on New Look to Phytomedicine Research and Technology for Bio-Entrepreneurship organized by PG & Research Department of Biochemistry, Vivekanandha College of Arts & Sciences for Women (Autonomous), Namakkal. Title of the Lecture: **Promising Strategy of Phytocompounds for cancer prevention and treatment.**

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
- Received **Dr.APJ Abdul Kalam Award for Scientific Excellence for the Year 2019** from Marina Labs, Chennai.

Recent Publications

- 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. (IF: 3.246)
- Sangeetha, R. Premkumar, S.S. Maithili, C. Kirubhanand, S. Gowthamkumar, P. Sangavi, K. LANGESWARAN.Quantum Chemical, Vibrational, Spectroscopic, UV-Vissolvent effect, Molecular Docking and Molecular Dynamics Simulation investigation on phytocompounds from *Elettaria cardamomum* against Covid 19. *Journal of Polycyclic Aromatic Compounds*. 2022; (IF: 2.195)
- Sri Varshini G, Harshini S,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.

- 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. *Current Drug Metabolism* 2022; 23(4): 299-316. (IF: 3.731)
- 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.
- 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.
- 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. Current Enzyme Inhibition 2022; 18(2):
- Anitha R, Sangeetha R, ArockiaJeyaYasmi 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* 2021; doi: 10.1080/07391102.2021.2015445. (IF: 5.235)
- 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. *International Journal of Polymer Science* 2021; (9): 5682182, 1-12. (IF: 2.973)
- Sangeetha R, LANGESWARAN K, ArockiaJeyaYasmi Prabha E,Sangavi P. Potential target identification for Hepatocellular Carcinoma (HCC) from *Ocimumbasilicum* and Structural, Vibrational, Quantum and Chemical investigation of lead molecule Campesterol. *Journal of Biomolecular Structure and Dynamics2021*; doi: 10.1080/07391102.2021.1997816. (IF: 5.235)
- Gowtham Kumar S, Santhosh Kumar Y, LANGESWARAN K. Anti-angiogenic role of natural flavonoids and their molecular mechanism: an update. The Egyptian Journal of Internal Medicine. 2021; 33: 29.
- A 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.
- ArockiaJeyaYasmi 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. *Journal of Biomolecular Structure and Dynamics* 2022; 40(13): 5903–5916. (IF: 5.235)
- Sangavi P, Rajapriya R, SannathulFirthous, 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.
- 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.

- ArockiaJeyaYasmi Prabha E, Sangeetha R, LANGESWARAN K, Athimoolam S. Structural, Vibrational, Quantum chemical and Thermal investigation of a nutraceutical drug in new zwitterionic cocrystal form (Nicotinic acid: Catechol) with enhanced cytotoxic activity in Cervical cancer HeLa cell line. *Journal of Biomolecular Structure & Dynamics* 2021; 1-14. (IF: 5.235)
- 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.
- Sangavi P, LANGESWARAN K. Anti-tumorigenic efficacy of Tangeretin in Liver Cancer An insilico approach. Journal of Current Computer-Aided drug design. 2021; 17(3): 337-343. (IF: 1.639)
- 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 2021; 32(1): 1-5.
- Venkatramanan M, Sankar Ganesh P, Senthil R, Akshay J, Veeraravi A, LANGAESWARAN K, Vadivelu J, Nagarajan S, Rajendran K, Shankar EM. Inhibition of quorum sensing and biofilm formation in *Chromobacteriumviolaceum* by fruit extracts of *Passiflora edulis*. *ACS Omega*. 2020; 5(40): 25605–25616. (IF: 4.132)
- Divya M, Gayathri N, Shakthisree N, Sharon Benita Stephena, Sindhu V, LANGESWARAN K, GowthamKumarSubbaraj. Association of interleukin1β, interleukin1 receptor antagonist, interleukin 6 and angiotensin II receptor typeIgene polymorphisms with end stage renal disease: A meta-analysis. *Gene Reports*. 2020; 21: 100856.
- 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. (IF: 5.235)
- Revathy R, LANGESWARAN K, Balasubramanian MP· Toxicological perspective of cadmium on Estuarine Edible Crab *Scylla serrata* regarding ovarian Maturation. *Biomedical Research*. 2019; 30(6):1-14.
- Perumal S, LANGESWARAN K. Diosmin anti-tumour efficacious against Hepatocellular Carcinoma. Research Journal of Pharmacy and Technology. 2019; 13(4): 1-8.
- 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.
- Mannikannan M, Selvaraj J, LANGESWARAN K, Suresh A. Inhibition Studies of HBV DNA polymerase using seed extracts of *Pongamia pinnata*. *Bioinformation*. 2019; 15(7):506-515. (IF: 0.31)
- ♣ LANGESWARAN K, Santhosh Kumar S, Gavaskar S. Antioxidant, anti-microbial and anti-cancer effectiveness of marine macro alga *Ulva fasciata* Delile. *Biomedical Research*. 2019; 30 (4): 617-627.
- A Dharani N, **LANGESWARAN K**, Santhoshkumar S. Identification of novel inhibitor targeting Fyn kinase using molecular docking analysis. *Bioinformation*. 2019; 15(6): 419- 424. (IF: 0.31)

- LANGESWARAN K, Jeyakanthan J, Jegannath Babu R, Abir Biswas, Dhurgadevi KR. Identifying Dual Leucine Zipper Kinase (DLK) inhibitors using E-Pharamacophore screening and molecular docking. *Journal of Receptors and Signal Transductions*. 2019; 39(1):1-7. (IF: 2.092)
- **LANGESWARAN** K, JeyakanthanJeyaraman, Abir Biswas, Gowtham Kumar Subbaraj, Santhoshkumar S. Identification of potential inhibitors for Penicillin binding protein (PBP) from *Staphylococcus aureus*. *Bioinformation*. 2018; 14(9):471-476. (IF: 0.31)
- 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). *Bioinformation*. 2018; 14(5):219-231. (IF: 0.31)
- Perumal S, LANGESWARAN K, Selvaraj J, Ponnulakshmi R, Shyamaladevi B, Balasubramanian MP. Effect of diosmin on apoptotic signalling molecules in N-nitrosodiethylamineinducedhepatocellular carcinoma in experimental rats. *Journal of Molecular and Cellular Biochemistry*. 2018; 449(1-2):27-37. (IF: 3.396)
- **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.
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