

## Publications of the department

Title	Name	Publication in Vancouver style	Indexed	Impact Factor	Any awards for publications ?
Dr.	Arun V	Lavanya R and Arun V. Standardization of DNA extraction protocol and Screening of Begomovirus in Chilli and Tomato plants. Journal of Plant Diseases and Protection. April 2019, 10.1007/s41348-019-00228-6	Yes	0.6	No
Dr.	Arun V	Preethi Jenifer, Mangathayaru Kalachaveedu, Arun Viswanathan, Arumugam Gnanamani and Mubeena. Fabricated approach for an effective wound dressing material based on a natural gum impregnated with Acalypha indica extract Journal of Bioactive and Compatible Polymers (2018) Vol 33 (6) 612-628. DOI: 10.1177/0883911518801046	Yes	1.9	No
Dr.	Arun V	P. Kumar, V. Arun, T. S. Lokeswari. Cloning of BBTV (Banana Bunchy Top Virus) components and screening of BBTV using functionalized gold nanoparticles 3 Biotech (2017) 7:225. DOI 10.1007/s13205-017-0849-8	Yes	1.78	No
Dr.	Arun V	Shanmugasundaram D, Duraiswamy A, Viswanathan A, Sasikumar CS, Cherian SM, Cherian KM. Development of an antidiabetic polyherbal formulation (ADPHF6) and assessment of its antioxidant activity against ROS-induced damage in pUC19 and human lymphocytes – an in vitro study. J Complement Integr Med. 2016 Sep 1;13(3):267-274. doi: 10.1515/jcim-2015-0028.	Yes	0.47	No
Dr.	Arun V	Shanmugasundaram D, Duraiswamy A, Viswanathan A, Sasikumar CS, Cherian SM, Cherian KM. Development of an antidiabetic polyherbal formulation (ADPHF6) and assessment of its antioxidant activity against ROS-induced damage in pUC19 and human lymphocytes—an in vitro study. Journal of	Yes	0.33	No

		Complementary and Integrative Medicine. 2016 Sep 1;13(3):267-74.			
Dr.	Arun V	Uma Sekar, Mariappan Shanthi, Balaraman Sekar, Arun Vishwanathan, VM Vidhya, Kamalanathan Arunagiri and DijiSara Varghese. Concurrent occurrence of Amp C and Cefotaxime (CTX)-M in clinical isolates of enterobacteriaceae. Journal of The Academy of Clinical Microbiology 16(1):11 - 16. 2014. DOI:10.4103/0972-1282.134456.	No		No
Dr.	Arun V	Sekar, Uma & Mariappan, Shanthi & Sekar, Balaraman & Viswanathan, Arun & Vidhya, VM & Arunagiri, Kamalanathan & Varghese, DijiSara. (2014). Concurrent occurrence of Amp C and Cefotaxime (CTX)-M in clinical isolates of enterobacteriaceae. Journal of The Academy of Clinical Microbiologists. 16. 11. 10.4103/0972-1282.134456.	No		No
Mr.	Benedict Paul C	Hemalatha, C. R., P. A. Abhinand, Maithreyi Iyer, Benedict C. Paul, Anupma Jyoti Kindo, Thyagarajan Ravinder, and P. Dhanapalan. "Phytochemical derivatives targeting fliJ flagellar protein from Escherichia coli." Bioinformation 14, no. 9 (2018): 465-470.	Yes	0.6	No
Mr.	Benedict Paul C	M. Prasanth, Meera Raju, S. Divakar, S. Abirami, H. Hajarah, K. Uma Harini, S. Senthilnathan, Benedict Paul C. (2016). Detection of gelE and factors affecting gelatinase activity of enterococcus faecalis isolates. Asian Jr. of Microbiol. Biotech. Env. Sc., 18(1), 257–261.	Yes	0.12	No
Mr.	Benedict Paul C	Paul CB, Sudandiradoss C. Functional and structural characterization of deleterious nsSNPs of cyp19a1 based on binding affinity and stability-A computational approach. Gene Reports. 2016 Dec 1;5:34-9.	Yes	0.217	No

Mr.	Benedict Paul C	Benedict Paul, C. S. AROMATASE INHIBITORS - TYPES AND ADVANTAGES. Int J Pharm Pharm Sci [Internet]. 2016Jun.1 [cited 2020Jan.6];8(8):1-. Available from: <a href="https://innovareacademics.in/journals/index.php/ijpps/article/view/10971">https://innovareacademics.in/journals/index.php/ijpps/article/view/10971</a>	Yes	0.28	No
Mr.	Benedict Paul C	Manohar P, Kumar G G, Hussain H, Paul C B. Distribution Of Virulence Factors Among Vancomycin Resistant Enterococcus Faecalis From Dental Isolates. Asian J Pharm Clin Res [internet]. 2016may1 [cited 2020jan.6];9(3):103-5. Available From: <a href="https://innovareacademics.in/journals/index.php/ajpcr/article/view/10327">https://innovareacademics.in/journals/index.php/ajpcr/article/view/10327</a>	Yes	0.655	No
Mr.	Benedict Paul C	Markandeyan D, Kannaiyan S, Suresh S, Nimmakayala R, Ilamurugan R, Santhalingam K, Paul B. Virtual Screening Of Phytochemicals For Methotrexate Like Dihydrofolate Reductase And Aminoimidazole-4-carboxamide Ribonucleotide (aicar) Transformylase Inhibitory Property Using Molegro Virtual Docker. Int J Pharm Pharm Sci [internet]. 2016mar.15 [cited 2020jan.6];8(5):83-7. Available From: <a href="https://innovareacademics.in/journals/index.php/ijpps/article/view/10451">https://innovareacademics.in/journals/index.php/ijpps/article/view/10451</a>	Yes	2.029	No
Mr.	Benedict Paul C	Markandeyan DE, Santhaligam K, Kannaiyan SU, Sanmathi S, Benedict P. Virtual screening of phytochemicals of morinda citrifolia as anti-inflammatory and anti-Alzheimer agents using Molegro virtual docker on p38 $\alpha$ mitogen-activated protein kinase enzyme. Asian J Pharm Clin Res. 2015;8(6):141-5.	Yes	0.655	No
Dr.	Charles Emmanuel Jebaraj W	Zioni Sangeetha Shankaran, Charles Emmanuel Jebaraj Walter, Kotteeswaran Ramachandiran, Venkatesh Babu Gurramkonda and Thanka Johnson. Association of microRNA-146a rs2910164 polymorphism with type II diabetes mellitus in a South Indian population and a meta-analysis. Gene Reports 18 (2020) March, 100567.	Yes	0.22	No

		<a href="https://doi.org/10.1016/j.genrep.2019.100567">https://doi.org/10.1016/j.genrep.2019.100567</a>			
Dr.	Charles Emmanuel Jebaraj W	Christy Priyadharshini J, Thirumal Kumar D, Sneha P, Siva R, Charles Emmanuel Jebaraj W, George Priya Doss C and Hatem Zayed. An integrative bioinformatics pipeline to demonstrate the alteration of the interaction between the ALDH2*2 allele with NAD+ and Disulfiram. J Cell Biochem. (2019) 20(10):17030-17041. doi: 10.1002/jcb.28964	Yes	3.448	No
Dr.	Charles Emmanuel Jebaraj W	Durairajan S, Walter CE, Samuel MD, Palani D, Pasupati S, Johnson T. Differential expression of NF-κB heterodimer RelA/p50 in human urothelial carcinoma. PeerJ. (2018) Sep 13;6:e5563.	Yes	2.35	No
Dr.	Charles Emmanuel Jebaraj W	Kumar DT, Emerald LJ, Doss CG, Sneha P, Siva R, Jebaraj WC, Zayed H. Computational approach to unravel the impact of missense mutations of proteins (D2HGDH and IDH2) causing D-2-hydroxyglutaric aciduria 2. Metabolic brain disease. (2018) 33(5):1699-710.	Yes	2.411	No
Dr.	Charles Emmanuel Jebaraj W	Himani Tanwar, P.Sneha, D.ThirumalKumar, R.Siva, Charles Emmanuel Jebaraj W, C.GeorgePriyaDoss. A Computational Approach to Identify the Biophysical and Structural Aspects of Methylenetetrahydrofolate Reductase (MTHFR) Mutations (A222V, E429A,andR594Q) Leading to Schizophrenia. Advances in Protein Chemistry and Structural Biology (2017) 108, pg 106-125. <a href="http://dx.doi.org/10.1016/bs.apcsb.2017.01.007">http://dx.doi.org/10.1016/bs.apcsb.2017.01.007</a>	Yes	1.17	No
Dr.	Charles Emmanuel Jebaraj W	Krishnan TR, Velusamy P, Srinivasan A, Ganesan T, Mangaiah S, Narasimhan K, Chakrapani LN, Thanka J, Walter CE, Durairajan S, Saravanabavan SN. EGCG	Yes	3.08	No

		mediated downregulation of NF-AT and macrophage infiltration in experimental hepatic steatosis. <i>Experimental Gerontology</i> . (2014) 57:96-103.			
Dr.	Charles Emmanuel Jebaraj W	Bhuvanewari Ranganathan and Charles E Jebaraj Anti cancer activity of <i>Strychnos Potatorum</i> in cervical cancer cell lines. <i>Online Journal of BioSciences and Informatics</i> . (2014) Vol.1, Issue 2, Pg. 85-94. ISSN, 2320-2912.	No		No
Dr.	Elavarashi E	Elavarashi E, Kindo AJ, Kumar P. Optimization of keratinase production by dermatophytes using poultry feathers in-vitro. <i>Asian. Jr. of Microbial Biotech. Env. Sc.</i> 2018; 20(4): 1195	Yes	0.12	No
Dr.	Elavarashi E	Elavarashi E, Kindo AJ, Rangarajan S. Enzymatic and non-enzymatic virulence activities of dermatophytes on solid media. <i>Journal of Clinical and Diagnostic Research: JCDR</i> . 2017 Feb;11(2):DC23.	Yes	0.35	No
Dr.	Elavarashi E	Ramaraj V, Vijayaraman RS, Elavarashi E, Rangarajan S, Kindo AJ. Molecular strain typing of clinical isolates, <i>Trichophyton rubrum</i> using non transcribed spacer (NTS) region as a molecular marker. <i>Journal of Clinical and Diagnostic Research: JCDR</i> . 2017 May;11(5):DC04.	Yes	0.35	No
Dr.	Elavarashi E	Elavarashi E, Kindo AJ, Kalyani J, Sudha R. Application of PCR fingerprinting using (GACA) 4 primer in the rapid discrimination of dermatophytes. <i>Indian journal of medical microbiology</i> . 2014 Jul 1;32(3):236.	Yes	0.95	No
Mrs.	Kalaivani	Sivanandan RN, Veni A, Kalaivani D, Kumari A. Anti-Salmonella Activity And Cytotoxicity Studies On The Methanolic Leaf Extract Of <i>Swietenia Mahagoni</i> . <i>Indo American Journal of Pharmaceutical Research</i> . 2016;6(4).	No		No
Dr.	Kumar P	Elavarashi E, Kindo AJ, Kumar P. Optimization of keratinase production by dermatophytes using poultry feathers in-vitro. <i>Asian. Jr. of Microbial Biotech. Env. Sc.</i> 2018; 20(4): 1195	Yes	0.12	No

Dr.	Kumar P	P. Kumar, V. Arun, T. S. Lokeswari. Cloning of BBTV (Banana Bunchy Top Virus) components and screening of BBTV using functionalized gold nanoparticles 3 Biotech (2017) 7:225. DOI 10.1007/s13205-017-0849-8	Yes	1.78	yes
Dr.	Magesh R	Thirumal Kumar.D ,S. Udhaya Kumar, Ahmed Shaikh Nishaat Laeeque, Shivalkar Apurva Abhay, R. Bithia, R. Magesh, Maignana Kumar, Hatem Zayed, C.George Priya Doss (2019). Computational Model to Analyze and Characterize the Functional Mutations of NOD2 Protein Causing Inflammatory Disorder – The Blau Syndrome , 2019, doi.org/10.1016/bs.apcsb.2019.11.005	Yes	3.783	No
Dr.	Magesh R	Shailaja VL, Christina VS, Mohanapriya CD, Sneha P, Sundaram RL, Magesh R, Doss CG, Gnanambal KM. A natural anticancer pigment, Pheophytin a, from a seagrass acts as a high affinity human mitochondrial translocator protein (TSPO) ligand, in silico, to reduce mitochondrial membrane Potential ( $\Delta \psi_{mit}$ ) in adenocarcinomic A549 cells. Phytomedicine. 2019 Aug 1;61:152858.	Yes	3.61	No
Dr.	Magesh R	Ashish KumarAgrahari, George Priya C. Doss, R.Siva, R.Magesh, HatemZayed.Molecular insights of the G2019S substitution in LRRK2 kinase domain associated with Parkinson's disease: A molecular dynamics simulation approach Journal of Theoretical Biology, 2019 May, Vol 469, I, B 163-E 171	Yes	2.049	No
Dr.	Magesh R	Reddy P. R. K, Durairaj P, Palaniyandi T, Ramasamy M, Reddy R. Essentials and Importance of Breast Cancer. Biomed Pharmacol J 2017;10(4).	Yes	0.14	No

Dr.	Magesh R	Sneha. P, Thirumal Kumar.D, Saini. S, Kajal. K, Magesh R, Siva.R, George Priya Doss.Analyzing the effect of V66M Mutation in giant muscle protein titin: A computational screening and molecular dynamics approach. Advances in Protein Chemistry and Structural Biology, 2017, Vol 108, I -, B 85-B 103.	Yes	2.43	No
Dr.	Magesh R	Thirumal Kumar D, George Priya Doss C, Sneha P, Tayubi IA, Siva R, Chakraborty C, Magesh R. Influence of V54M mutation in giant muscle protein titin: a computational screening and molecular dynamics approach. Journal of Biomolecular Structure and Dynamics. 2016 Apr 4;35(5):917-28.	Yes	3.3	Yes
Dr.	Magesh R	Doss CG, Rajith B, Magesh R, Kumar AA. Influence of the SNPs on the structural stability of CBS protein: Insight from molecular dynamics simulations. Frontiers in biology. 2014 Dec 1;9(6):504-18.	Yes	0.47	No
Dr.	Magesh R	Magesh R, Doss CG. Computational pipeline to identify and characterize functional mutations in ornithine transcarbamylase deficiency. 3 Biotech. 2014 Dec 1;4(6):621-34.	Yes	1.786	No
Dr.	Magesh R	Doss CG, Magesh R. Computational identification of pathogenic associated nsSNPs and its structural impact in UROD gene: A molecular dynamics approach. Cell biochemistry and biophysics. 2014 Nov 1;70(2):735-46.	Yes	2.323	Yes
Dr.	Magesh R	Doss CG, Rajith B, Chakraborty C, Balaji V, Magesh R, Gowthami B, Menon S, Swati M, Trivedi M, Paul J, Vasan R. In silico profiling and structural insights of missense mutations in RET protein kinase domain by molecular dynamics and docking approach. Molecular BioSystems. 2014;10(3):421-36.	Yes	3.13	Yes
Dr.	Mary Elizabeth Gnanambal K	Shailaja VL, Christina VS, Mohanapriya CD, Sneha P, Sundaram RL, Magesh R, Doss CG, Gnanambal KM. A natural	Yes	4.18	Yes

		anticancer pigment, Pheophytin a, from a seagrass acts as a high affinity human mitochondrial translocator protein (TSPO) ligand, in silico, to reduce mitochondrial membrane Potential ( $\Delta \psi_{mit}$ ) in adenocarcinomic A549 cells. Phytomedicine. 2019 Aug 1;61:152858.			
Dr.	Mary Elizabeth Gnanambal K	RamyaDevi. K. C, Lakshmi Sundaram. R Sivamurugan. V, Vidya Vasudevan, Mary Elizabeth Gnanambal. Krishnan. Structure elucidation and proposed de novo synthesis of an unusual mono-rhamnolipid by Pseudomonas guguanensis from Chennai Port area, Nature Scientific Reports, volume 9, (2019) 5992	Yes	4.2	No
Dr.	Mary Elizabeth Gnanambal K	Asha D, Vasudevan V, Krishnan ME. Demonstration of bioprocess factors optimization for enhanced mono-rhamnolipid production by a marine Pseudomonas guguanensis. International journal of biological macromolecules. 2018 Mar 1;108:531-40.	Yes	4.784	Yes
Dr.	Mary Elizabeth Gnanambal K	Vasudevan V, Gayathri KV, Krishnan ME. Bioremediation of a pentacyclic PAH, Dibenz (a, h) Anthracene-A long road to trip with bacteria, fungi, autotrophic eukaryotes and surprises. Chemosphere. 2018 Jul 1;202:387-99.	Yes	5.108	Yes
Dr.	Mary Elizabeth Gnanambal K	Sathyanathan CV, Jyothirmayi B, Sundaram LR, Abhinand PA, Eswaramoorthy R, Gnanambal KM. Pheophytin a isolated from the seagrass Syringodium isoetifolium plausibly blocks umuC proteins of select bacterial pathogens, in silico. Journal of applied microbiology. 2016 Dec;121(6):1592-602.	Yes	2.683	Yes
Dr.	Mary Elizabeth Gnanambal K	Lakshmipathy SV. Dictyoceratidan poisons: Defined mark on microtubule-tubulin dynamics. Life sciences. 2016 Mar 1;148:229-40.	Yes	3.448	Yes



Dr.	Mary Elizabeth Gnanambal K	Gnanambal KM, Patterson J, Patterson EJ. Isolation of a novel antibacterial phenyl thioketone from the seagrass, <i>Cymodocea serrulata</i> . <i>Phytotherapy research</i> . 2015 Apr;29(4):554-60.	Yes	3.766	Yes
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