

**DEPARTMENT OF BIOTECHNOLOGY  
FACULTY PUBLICATIONS**

**Year (2018-2019)**

**INTERNATIONAL SCI INDEXED JOURNALS WITH IMPACT FACTOR (IF)**

<b>S.No</b>	<b>Name of the Author</b>	<b>Title of papers</b>	<b>Publication details</b>	<b>DOI</b>	<b>Citations</b>	<b>Indexed in Scopus / Web of Science</b>
<b>1</b>	Evangeline Breeta R., Perinba Danisha Jesubatham, V.M. Berlin Grace, S.Viswanathan, S. Srividya,	Non-toxic and non teratogenic extract of Thujaorientalis L. inhibited angiogenesis in zebra fish and suppressed the growth of human lung cancer cell line	Biomedicine & Pharmacotherapy 2018; 106: 699–706.	10.1016/j.biopha.2018.07.010	6	IF: 3.457
<b>2</b>	Pinaki Dey, Parimal Pal, Joseph Dilip Kevin and Diganta Bhusan Das	Lignocellulosic bioethanol production: prospects of emerging membrane technologies to improve the process – a critical review	Reviews in Chemical Engineering, 2018; 1-35	10.1515/revce-2018-0014	-	IF : 4.490
<b>3</b>	Vivek Rangarajan, Gunaseelan Dhanarajan, Pinaki Dey, Dipankar Chattopadh, RamkrishnaSen	Bacillus lipopeptides: powerful capping and dispersing agents of silver nanoparticles	Applied Nanoscience 2018, 1-10	10.1007/s13204-018-0852-3	-	IF: 2.951

4	S. Mitra, A. Das, S. Sen, B. Mahanty	Potential of metabolic engineering in bacterial nanosilver synthesis	World Journal of Microbiology and Biotechnology 2018, <b>34</b> :138	10.1007/s11274-018-2522-8	-	IF: 2.1
5	S.Rex Jeya Rajkumar, G.Gnanavel, MSA Muthukumar Nadar, Rajkumar Sankaranarayanan	Wound healing activity of Morinda tinctoria Roxb aqueous leaf extract	3Biotech (Springer) ISSN: 2190-5738, Vol 8, Issue 8, August 2018	10.1007/s13205-018-1361-5	-	IF : 1.497
6	PinakiDey ,Joginder Singh , JismoleScaria, Athira P. Anand	Improved production of cellulase by Trichoderma reesei (MTCC 164) from coconut mesocarp-	3 Biotech 8:402 (1-13)/(2018)/September	10.1007/s13205-018-1421-x	-	IF : 1.497
7	Sugumar Mani, SathiyaSekar, SaravanaBabu Chidambaram, MuruganSevanan	Naringenin Protects against 1-Methyl-4-Phenylpyridinium- Induced Neuro inflammation	Pharmacogn. Mag. 14 (57) 2018 S458-464 July-September	10.4103/pm.pm-23_18	-	IF: 1.525
8	B. Mahanty	Efficient variable selection algorithm adopting variance inflated resampling weight vector into model population analysis	Journal of Chemometrics Early view: 18 : 2018	10.1002/cem.3099	-	IF: 1.5
9	Mani Sugumar, MuruganSevanan & Sathiya Sekar	Neuroprotective effect of naringenin against MPTP-induced oxidative stress	International Journal of Neuroscience 2018	10.1080/00207454.2018.1545772.	-	IF:1.8

10	Biswanath Mahanty*, Angel Philip John	Development of Robust Partial Least Squares Regression Model for Spectroscopic Determination of Diclofenac Sodium in Environmental Samples	Current Analytical Chemistry 2019, Vol. 15	10.2174/1573411015666181128143727	-	IF:1.00
11	Pandian Suresh kumar and Jibu Thomas	Strategic growth of limnic green microalgae with phyco remediation potential for enhanced production of biomass and biomolecules for sustainable environment	Environmental Science and Pollution Research 2019 (1) January	10.1007/s11356-018-4012-9.	4	IF: 2.8
12	Chikoo Cherian, J. Jannet Vennila and Leena Sharan	Marine Bromophenols as an effective inhibitor of virulent proteins (Peptidyl Arginine Deiminase, Gingipain R and Hemagglutinin A) in Porphyromas gingivalis	Archives of Oral Biology (Elsevier) 100:119-128 Feb 2019	10.1016/j.archoralbio.2019.02.016	-	IF - 2.05
13	Premnath D, Tamil G. Selvan, Israel VMV Enoch, Mosae P. Selvakumar, and M. Indiraleka.	Naphthoyl Derivative of 4-Aminoantipyrine Based Al <sup>3+</sup> Ion Sensor: Molecular Docking and Anticancer Studies	<i>Sensor Letters</i> 17, no. 2 (2019): 110-119.	DOI: 10.1166/sl.2019.4043	-	IF: 0.592

### INTERNATIONAL SCOPUS INDEXED JOURNALS

1	Subha Mary Varghese and Jibu	Polyphenolic constituents in	Pak. J. Pharm. Sci., Vol.32,		-	
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	Thomas	mulberry leaf extract ( <i>m.latifolia</i> .cv.bc259) and its antidiabetic effect in streptozotocin induced diabetic rats	No.1, January 2019, pp.069-074			Scopus
2	R. Beena Kanimozhi1, C.R. Mageshand R.S. David Paul Raj	Pathogenicity Of Pythium Spp. In Forest Nurseries And Its Control Mechanisms: A Review	Asian Journal of Microbiology, Biotechnology and Environmental Sciences Vol. 20, No. (3) : 2018 : 361-368	ISSN 0972-3005	-	Scopus
3	K. Naresh Kumar, Sheni Mable Devadas, S. Murugan, S. Gobi Krishnan and Thayumanavan	Production and Characterization of Bacteriocin by Lactic Acid Bacterium- <i>Pediococcus pentosaceus</i> NKSM1 isolated from Fermented 'Appam' Batter	Journal of Pure and Applied Microbiology Vol. 12(3), p. 1315-1330, 2018	10.22207/JPA M.12.3.34	-	Scopus
4	Vani Chanandrapagasam , Anu Jacob, Christina Lydia Jayachandran	Biocontrol potential of extracellular proteins from <i>Xenorhabdus nematophilus</i> on dengue vectors and the enhancement by response surface methodology	Journal of Applied Pharmaceutical Science Vol. 8(11), pp 131-139, November 2018	10.7324/JAPS. 2018.81119	-	Scopus
5	Jesse Joel T. and Jesvin Shobini	A Plausible Antibacterial Green Synthesized AgNPs from <i>Tridax procumbens</i> Leaf-flower Extract	Journal of Pure and Applied Microbiology 2018,12(4), 2135-2142	10.22207/JPA M.12.4.5	-	Scopus
6	Jesse Joel T, Jagdish Kumar Suluvoy, R. Hiroshini Raja	<i>Morinda citrifolia</i> L. (Noni) as a free radical scavenger and an anticancer agent	Drug Invention Today 10(2), 2018: 3134-3140.	ISSN 0975-7619	-	Scopus

7	Jagadish Kumar Suluvoy, Ebin Philip Thompson, V. M. Berlin Grace	Major weed <i>Parthenium hysterophorus</i> L. as a propitious plant with its free radical scavenging activity and anticancer activity against A549 lung cancer cell line.	Drug Invention Today 2018; Vol 10 (3); 3424-3429	ISSN: 0975-7619	-	Scopus
8	V. Helen Hepzibha, D. Alwin Johnnie, Reya Issac, Lakshmi Prabha	Review on production of biofuel from photosynthetic microorganisms	Drug Invention Today 2018, Vol 10 (3) ,3700 - 3703	ISSN: 0975-7619		Scopus
9	S. Badma Kumar, Reya Issac, M. Lakshmi Prabha	Functional and health-promoting bioactivities of dragon Fruit	Drug Invention Today 2018, Vol 10 (3)	ISSN 0975-7619	-	Scopus
10	Nixon Mendez and Md. Afroz Alam	Virtual screening approaches towards the discovery of multi-target drug for Zika virus	Drug Invention Today 12(1): 13-24, 2019	ISSN 0975-7619	-	Scopus
11	Karthik A., P. Balamurugan and Md. Afroz Alam	Quantitative structure activity relationship predictive models for antimitotic agent through machine learning on high-throughput screening of noscapine derivatives	Drug Invention Today 10(2): 3003-3008, 2019,	ISSN 0975-7619	-	Scopus

12	Anu Jacob, Jibu Thomas	Therapeutic potential of dietary flavonoids against viral-borne infections: A review	Drug Invention Today 11 (February) 2019, 469-479	ISSN 0975-7619	-	Scopus
13	Y. Felita Dhaslin, Reya Issac, M. Lakshmi Prabha	Antioxidant, antimicrobial, and health benefits of nutmeg	Drug Invention today Vol 12 issue 1 2019	ISSN 0975-7619	-	Scopus
14	Jissin Mathew, C. Vani, Amala Lizy	Anticancer activity of defense peptides from <i>Galleria mellonella</i> on cervical hela cancer cell line	Drug Invention Today 2019	ISSN 0975-7619	-	Scopus

### NATIONAL SCI INDEXED JOURNALS

1	Berlin Grace V. M., V. Sandeep, S. Viswanathan and B. Esther Sathyabama	DSPC/Cholesterol Nano-formulated 9- <i>cis</i> -Retinoic Acid has Potent Therapeutic Effect on A549 Cell Line	Indian Journal of Pharmaceutical Sciences 2018; Vol.80(6): 1039-1044	10.4172/pharmaceutical-sciences.1000454	-	IF:0.66
2	Leena Sharan and Jannet Vennila	Marine algae as a promising natural resource in treating Periodontitis: Current status and applications	Research Journal of Biotechnology 14(2): 71-82, Feb 2019	ISSN 0973-6263	-	IF: 0.263
3	Suresh Kumar, P., S. Kavitha	Bioprospecting potential of mangrove fungus from Vellar estuary, Southeast coast of India for biocontrol of damping off on mustard	Research Journal of Biotechnology, 2019, 14(3): 72-78	ISSN 0973-6263	-	IF:0.263

### NATIONAL SCOPUS INDEXED JOURNAL

1	Jimcy James and Jibu Thomas	Anticancer activity of microalgae extract on human cancer cell line (mg-63)	Asian Journal of Pharmaceutical and Clinical Research Vol 12, Issue 1, 2019 139-142	10.22159/ajpcr.2019.v12i1.28652	47	Scopus
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<b>INTERNATIONAL SCI INDEXED JOURNALS WITH IMPACT FACTOR (IF)</b>						
1.	Jagadish Kumar, S., K.M. Sakthivel, C. Guruvayoorappan and V. M. Berlin Grace	Protective effect of <i>Averrhoa bilimbi</i> L. fruit extract on ulcerative colitis in wistar rats via regulation of inflammatory mediators and cytokines.	Biomedicine and Pharmacotherapy, 91: 1113–1121, 2017	10.1016/j.biopha.2017.05.057	7	IF: 3.457
2	V.M. Berlin Grace, R. Reshma Mahima and S. Viswanathan	Enhanced expression of tumour suppressor RAR- $\beta$ by DSPC nano-formulated lipo-ATRA in the lung of B16F10 cell-implanted C57BL6 mice and in A549 cells.	Life Sciences, 184: 10–17, 2017	10.1016/j.lfs.2017.07.005	-	IF: 3.234
3	Pinaki Dey and Vivek Rangarajan	Improved fed-batch production of high-purity PHB (poly-3 hydroxy butyrate) by <i>Cupriavidus necator</i> (MTCC 1472) from sucrose-based cheap substrates under response surface optimized conditions	3 Biotech, 7: 1-14, 2017	10.1007/s13205-017-0948-6.	2	IF: 1.497
4	Jibu Thomas, Pandian SureshKumar	Structural insights on bioremediation of polycyclic aromatic hydrocarbons using microalgae : a modelling -based computational study	Environmental Monitoring Assessment, 190:92-97, 2018	10.1007/s10661-017-6459-4		IF: 1.687
5		Alternate deflation and inflation of search	Chemometrics and Intelligent	10.1016/j.chemolab.2018.0	1	IF: 2.701



	Biswanath Mahanty	space in reweighted sampling: An effective variable selection approach for PLS model	Laboratory Systems 174:45-55, 2018	1.005		
6	Sugumar Mani, Sathiya Sekar, Rajamani B., Thamilarasan M., A.J. Thenmozhi, Murugan S., S.B. Chidambaram, Musthafa M. Essa, Gilles J. Guillemin and K.S. Meena	Naringenin Decreases $\alpha$ -Synuclein Expression and Neuroinflammation in MPTP-Induced Parkinson's Disease Model in Mice	Neurotoxicity Research February 2018 33(3):656-670	10.1007/s12640-018-9869-3	6	IF: 2.942
7	A. Sankar Vinayaka, Biswanath Mahanty, Eldon R. Rene & Shishir Kumar Behera	Biodiesel production by transesterification of a mixture of pongamia and neem oils	Biofuels,1: 1-5, 2018	10.1080/17597269.2018.1464874		IF: 0.784
8	M. Ishwarya, R. T. Narendhirakannan	HPTLC method for quantitative determination of hydroxycinnamic acid derivatives in <i>Solanum lycopersicum</i>	Bangladesh Journal of Pharmacology, 13(2): 1-5,2018	10.3329/bjp.v13i2.34461		IF:1.052
9	S. Viswanathan, V.M. Berlin Grace	Reduced RAR- $\beta$ gene expression in Benzo (a) Pyrene induced lung cancer mice is upregulated by DOTAP lipo-ATRA treatment.	Gene, 668: 18-26, 2018	10.1016/j.gene.2018.05.051	1	IF: 2.498
10	Sayak Mitra, Ashmita Das, Shampa Sen, Biswanath Mahanty	Potential of metabolic engineering in bacterial nanosilver synthesis	World Journal of Microbiology and Biotechnology, 34:138-145, 2018	10.1007/s11274-018-2522-8.		IF: 2.1
11	Jehun Kwak, Soonuk Yoon, Biswanath Mahanty & Chang-Gyun Kim	Redox-mediator-free degradation of sulfathiazole and tetracycline using <i>Phanerochaete</i>	Journal of Environmental Science and Health, Part A52 (13):	10.1080/10934529.2017.1356191		IF: 1.561

		<i>chryso sporium</i>	1211-1217, 2017			
12	Premnath, D., D. Akila, and M. Indiraleka	A comparative meta-genomic analysis of hpv strains: a step towards the design, synthesis and characterization of noval quenzoline derivative for antiviral activity	Computational biology and chemistry (2018). 75:213-220			IF:1.331
13	Thangaraj, S. Eugene, Eva Janet Antony, Sameena Yousuf, P. Mosae Selvakumar, Premnath D, and Israel VMV Enoch	Binding interaction of a fluoranthene–thiol on gold nanoparticles with $\beta$ -cyclodextrin and DNA	Journal of Experimental Nanoscience (1): 1-10, 2017			IF: 0.863
14	Kirubavathy, S.J., Velmurugan, R., Karvembu, R., Bhuvanesh, N.S.P., Enoch, I.V., Selvakumar, P.M., Premnath, D. and Chitra, S.	Structural and molecular docking studies of biologically active mercaptopurimidine Schiff bases	Journal of Molecular Structure, 1127: 345-354, 2017			IF: 2.011

### INTERNATIONAL SCOPUS INDEXED JOURNALS

1	Gilbert Ross Rex K. and David Paul Raj R.S	Determination of Soil Aggregating Efficacy of Exopolysaccharides Producing Bacteria Isolated from Pristine Soils of Siruvani Forests	Asian Jr. of Microbiol. Biotech. Env. Sc. 19 (3): 1-6, 2017	ISSN: 0972-3005		Scopus
2	Jenela Priscy, Jesvin Shobini and Reya Issac	Heavy metal pollution in wetlands around Coimbatore	International Journal of chem tech Research10: 119-128, 2017	ISSN 0974 4920		Scopus
3	Jibu Thomas, P. Sureshkumar, J.Sivasubramanian	Rapid method for simultaneous discrimination of microalgae and determination on	International Journal on Algae, 19:385-396, 2017	10.1615/Inter JAlgae.v19.i4 .80	1	Scopus

		biochemical composition based on vibrational spectroscopy				
4	S.Murugan, Neetu P John	Biofilm adhesion genes in Methicillin Resistant <i>Staphylococcus aureus</i> and their association with antibiotic resistance	Flora and Fauna- An international research journal of biological sciences, 23(1) : 387-392, 2017	ISSN 0971 6920		Indian Citation Index
5	Padmanabhan D. and S. Kavitha	Prevalence of arsenicosis in arsenic contaminated tube wells of 24 north parganas (West Bengal)	Research Journal of Chemistry and Environment, 22(3): 8-11, 2018	ISSN 0972-0626		Scopus / Web of Science
6	Karthick, A., P. Balamurugan and Md. Afroz Alam	Quantitative structure activity relationship predictive models for antimetabolic agent through machine learning on high throughput screening of nospine derivatives	Drug Invention Today, 10(2), 3003-3006, 2018			Scopus

### NATIONAL SCI INDEXED JOURNALS

1	Jibu Thomas and Reena Josephine	Discrimination of plant beneficial rhizosphere microbes by Amplified Ribosomal DNA Restriction (ARDRA) for molecular taxonomy	Research Journal of Biotechnology 13: 3-7, 2018	ISSN 0973-6263		IF: 0.263
2	Helen Hencida Thangamony, Ravindran Kumar, Chinnappan Palaniappan Thangavelu, Mani Mariappa, Berlin Grace Viswanathan	Nonspecific Amplification of Human DNA by <i>Streptococcus pneumoniae</i> LytA Primer	Indian Journal of Medical Microbiology, 36(1):1-5, 2018	10.4103/ijmm.IJMM_17_342.		IF: 1.149

	Mariamall , Kootallur Narayanan Brahmadathan					
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<b>INTERNATIONAL SCI INDEXED JOURNALS WITH IMPACT FACTOR (IF)</b>						
1.	Grace Nirmala, J., Akila,S., M.S.A. Muthukumar, R.T. Narendhirakannan and S. Chatterjee	Biosynthesis <i>Vitis vinifera</i> seed gold nanoparticles induce apoptotic cell death in A431 skin cancer cells	<i>RSC Advances</i> . 6: 82205 - 82218, 2016		12	IF: 3.289
2.	Sandeep K. S. and Pinaki Dey	An overview of simultaneous saccharification and fermentation of starchy and lignocellulosic biomass for bio-ethanol production	<i>Biofuels</i> 13(14): 1-6, 2016	10.1080/17597269.2016.1193837	2	IF: 0.784
3.	Neha Atale, Shaarad Saxena, J Grace Nirmala, RT Narendhirakannan, Sujata Mohanty, Vibha Rani	Synthesis and Characterization of <i>Syzygium cumini</i> Nanoparticles for Its Protective Potential in High Glucose-Induced Cardiac Stress: a Green Approach.	<i>Applied Biochemistry and Biotechnology</i> 10:22-28, 2016	10.1007/s12010-016-2274-6	7	IF: 1.606
4.	C. Umadevi, P. Kalaivani, H.Puschman, S.Murugan, P.S. Mohana R.Prabhakaran	Substitutional impact on biological activity of new water soluble Ni(II) complexes: Preparation, spectral characterization, X-ray crystallography, DNA/protein binding, antibacterial activity and in vitro cytotoxicity	<i>Journal of Photochemistry and Photobiology, B: Biology</i> , 167: 45-57, 2017	10.1016/j.jphoto.2016.12.015	10	IF: 3.035

5.	Atale, N., Saxena, S., G. Nirmala, Narendhirakannan R.T., Mohanty, S. and V. Rani	Synthesis and Characterization of <i>Syzygium cumini</i> Nanoparticles for Its Protective Potential in High Glucose-Induced Cardiac Stress: a Green Approach	Appl Biochem Biotechnol (Springer), 181:1140–1154, 2017	10.1007/s12010-016-2274-6.	7	IF: 1.606
6.	Soon Uk Yoon, Biswanath Mahanty and Chang Gyun Kim	Adsorptive Removal of Carbamazepine and Diatrizoate in Iron Oxide Nanoparticles Amended Sand Column Mimicking Managed Aquifer Recharge	Water, 9(4): 250, 2017	10.3390/w9040250	2	IF: 1.687
7.	J. Grace Nirmala, S. Akila, R.T. Narendhirakannan and Suvro Chatterjee	<i>Vitis vinifera</i> peel polyphenols stabilized gold nanoparticles induce cytotoxicity and apoptotic cell death in A431 skin cancer cell lines	Advanced Powder Technology, 28 (4): 1170-1184, 2017	10.1016/j.apmt.2017.02.003	10	IF: 2.478
8.	N. Bhuvanesh, K. Velmurugan, S. Suresh, P. Prakash, Neethu John, S.Murugan, T.D. Thangadurai and R. Nandhakumar	Naphthalene based fluorescent chemosensor for Fe <sub>2+</sub> ion detection in microbes and real water samples	Journal of Luminescence, 188: 217–222, 2017	10.1016/j.jlumin.2017.04.026	9	IF: 2.686
9.	Megha P.U., P.S. Harikumar and S.Murugan	Isolation and Characterization of Lytic Coliphages from Sewage Water	Journal Of Pure And Applied Microbiology, 11 (1): 559-565, 2017	ISSN: 0973-7510		IF: 0.073
10	Grace Nirmala, J. and R.T. Narendhirakannan	<i>Vitis vinifera</i> peel and seed gold nanoparticles exhibit chemopreventive potential, antioxidant activity and induce apoptosis through mutant p53, Bcl-2 and pan cytokeratin down-regulation in experimental animals.	Biomedicine and Pharmacotherapy, 89: 902-917, 2017	10.1016/j.biopha.2017.02.049	1	IF: 2.759
11	Suluvoy JK. And V.M. Berlin Grace	Phytochemical profile and free radical nitric oxide (NO)	3 Biotech, 7:85, 2017	10.1007/s13205-017-0678-9.	2	IF: 1.497

		scavenging activity of <i>Averrhoa bilimbi</i> L. fruit extract				
12	Reji, R.M., Siddikazzaman and V. M. Berlin Grace	ATRA entrapped in DSPC liposome enhances anti-metastasis effect on lung and liver during B16F10 cell line metastasis in C57BL6 mice.	Anti-Cancer Agents in Medicinal Chemistry, 17(6): 875-884, 2017	10.2174/1871520616666160927103458.	2	IF: 2.556
13	V. M. Berlin Grace and S. Viswanathan	Pharmacokinetics and therapeutic efficiency of a novel cationic liposome nano-formulated All Trans Retinoic Acid in lung cancer mice model.	Journal of Drug Delivery Science and Technology, 39: 223–236, 2017	10.1016/j.jddst.2017.04.005	5	IF: 2.297
14	Kadarkarai Govindana, Hrisheekesh T. Chandranc , Mohan Raja, Subramanian Uma Maheswari, Murali Rangarajana	Electron scavenger-assisted photocatalytic degradation of amido black 10B dye with Mn3O4 nanotubes: A response surface methodology study with central composite design	Journal of Photochemistry and Photobiology A: Chemistry 341 (2017) 146–156			IF: 2.891
15	S. Uma Maheshwari, B.C. Pillaic , K. Govindand , M. Rajae,f , A. Rajab , M.B.S. Pravinb , S. Vasanth Kumar	Development of Low Resistance Thermal Interface Material (TIM) Using Nanomaterials	International Journal of Engineering Science Invention, 39-46,2017			IF: 2.297

### INTERNATIONAL SCOPUS INDEXED JOURNALS

1	J. Senthil Kumar, Rajasekaran P, David Paul Raj & N.O.Gopal	Trial Based Method for Detection of Shigella spp and <i>E.coli</i> by MALDI – TOF Mass Spectrometry	Int. J. Pharm. Sci. Rev. Res., 39(1):1-6, 2016	ISSN 0976 – 044X		Scopus
2	J. Senthil Kumar, Rajasekaran P, David Paul Raj & N.O.Gopal	Impact of MPN of coliforms on the wholesomeness of drinking water.	Research Journal of Pharmaceutical, Biological and Chemical Sciences, 7(4): 2261-2265, 2016	ISSN:0975-8585		Scopus
3	Padmani, G., Levin Anbu Gomez, C.	Isolation and Characterization of	International Journal of	10.15680/IJIRSET.201		Science Citation

	Vani and A. Micheal	Antibodies Challenging <i>Escherichia coli</i> from Japanese Quail	Innovative Research in Science, Engineering and Technology 5(8): 1-5, 2016	6.0508005		Index
4	Gandepalli Pratap Kumar, R. Amos Sam Kumar, D. Premnath and R.S. David Paul Raj	Molecular docking and dynamic simulation studies of pentacyclic triterpenoids from euphorbiaceae plants with snake venom phospholipase A2 and acostatin proteins	International Journal of Pharma and Biosciences 7:402-411, 2016	ISSN:0975-6299		Scopus
5	Ida Sharon, Levin Anbu Gomez, C. Vani & A. Michael	Isolation and Characterization of Antibodies challenging <i>Staphylococcus aureus</i> using Japanese Quail	International Journal of Life Science & Pharma Research, 6 (4): 1-5, 2016	ISSN:2250-0480	1	Scopus
6	Pinaki Dey and W. Lhakpa	Bioconversion of Starchy Potato waste to Ethanol by Simultaneous Saccharification and fermentation (SSF) process using <i>Aspergillus niger</i> MTCC 281 and <i>Saccharomyces cerevisiae</i> MTCC 170	Asian Journal of Microbiology, Biotechnology & Environmental Sciences, 18 (3): 655-661, 2016	ISSN: 0972-3005		Scopus
7	Vani C, Jaya Deepika S and Kalidass Subramaniam	<i>In Vivo</i> biocompatibility study of zirconium dioxide nanoparticles for its application in dental treatment	International journal of Pharma biosciences, 8(1) :382-389, 2016	10.22376/ijpbs.2017.8.1.b382-389		Scopus
8	Megha P.U., P.S. Harikumar and S.Murugan	Estimation of Safe Setback Distance Between Well and Contamination Source Using Bacteriophage - A Case Study	Asian Journal of Microbiology Biotechnology and Environmental Science, 19(1): 173-181, 2017	ISSN: 0972-3005		Scopus

### NATIONAL SCI INDEXED JOURNALS

1	Iswarya,M., Narendhirakannan	Effect of Cardio protective Polyherbal	Indian Journal of Experimental	ISSN 0975 - 1009		IF 1.165
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	R.T., Sharma,S. and Emillin Renitta	Formulation on Isoproterenol Induced Myocardial Infarction in Experimental Animals	Biology, 55 (06): 357-364, 2017			
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**NATIONAL SCOPUS INDEXED JOURNALS**

1	Subha Varghese and Jibu Thomas	Quantitative Determination of Biochemical Constituents and Evaluation of Antioxidant Potential of Different Cultivars of Mulberry Species	Indian Journal of Natural Sciences, 7 (39): 1-5, 2016	ISSN: 0976 – 0997		Scopus
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**Year (2015-2016)**

S.No	Name of the Faculty & Designation	Title of papers	Publication details	DOI	Citations	Citation Index / Impact Factor
<b>INTERNATIONAL SCI INDEXED JOURNALS WITH IMPACT FACTOR (IF)</b>						
1	Premnath,D., P.Mosae Selvakumar, P.Ravichandiran, G.Tamil Selvan, M.Indiraleka, J.Jannet Vennila	Synthesis and spectroscopic characterization of fluorescent 4-aminoantipyrine analogues: Molecular docking and in vitro cytotoxicity studies	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 153: 118-123, 2015	10.1016/j.saa.2015.08.008	8	IF: 2.353
2	Palaniselvam Kuppusamy, R.S David Paul Raj, Soundharrajan Ilavenil, Balasubramanian Kaleeswaran, Natanamurugaraj Govindan, Gaanty Pragas Maniam, Sivanesan Ravikumar	Evaluation of Antihypercholesterolemic effect using <i>Memecylo nedule</i> Roxb Ethanolic extract in cholesterol induced Swiss albino mice	Journal of Acute Medicine, 5: 85-91, 2015	10.1016/j.jacme.2015.09.001	1	IF :0.16
3	Kadarkarai Govindana, *, Mohan Rajab,c , Subramanian Uma Maheshwarid , Michael Noela , Yoram Oren	Comparison and understanding of fluoride removal mechanism in Ca <sup>2+</sup> , Mg <sup>2+</sup> and Al <sup>3+</sup> ion assisted electrocoagulation process using Fe and Al electrodes	Journal of Environmental Chemical Engineering 3 (2015) 1784–1793			IF:1.385
<b>INTERNATIONAL SCOPUS INDEXED JOURNALS</b>						
1	S. Jagadish kumar, Shino Shaji, V.M. Berlin Grace	Antilymphoma activity of <i>Averrhoa bilimbi</i> fruit extract in swiss albino mice	Asian Journal of Pharmaceutics, 10(2) :183-188, 2016	10.22377/ajp.v10i2.643		Scopus
2	S. Kavitha, R.Shilpa, D.Padmanbhan, A. Angelin	Preparation and characterization of SiO <sub>2</sub> nanoparticles doped carbonized	International Journal of Chemtech Research, 8(11):	ISSN: 0974-4304		Scopus

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