

Department of Biotechnology

Publications

Department of Biotechnology *h-index* is **22**

Department of Biotechnology *citations* is **1063**

S.No	Authors	TITLE OF THE PAPER	JOURNAL NAME	YEAR	DOI	IMPACT FACTOR
1.	Senthil Rethinam, , Sumathi siva Kumar, Chamundeeswari M., Gobi Nallathambi, Wilson Aruni A	Enhanced Bone Regeneration Using An Electrospun Nanofibrous Membrane – A Novel Approach	J of Drug delivery Science and Technology	2019	53(2019)101163	2.36
2.	Preethi Sudhakara , lyappan Sellamuthu and A. Wilson Aruni (2019)..	Bacterial sialoglycosidases in Virulence and Pathogenesis	Pathogens	2019	https://doi.org/10.3390/pathogens8010039	2.93
3.	S.Karthick Raja Namasivayam, A.L.Francis, C.Valli Nachiyar	Bacterial biofilm or biofouling networks with numerous resilience factors from real water supplies of Chennai and their enhanced susceptibility to biocompatible nanoparticles	Journal of Cleaner Production	2019	https://doi.org/10.1016/j.jclepro.2019.05.199	6.34

S.No	Authors	TITLE OF THE PAPER	JOURNAL NAME	YEAR	DOI	IMPACT FACTOR
4.	Aravind Kumar Jagadeesan, Joshua Amarnath Duvuru, Anuradha Jabasingh s, Senthil Kumar Ponnusamy, Vijai Anand Kabali, Narendrakumar Gopakumaran. S.Karthick Raja Namasivayam Selvaraj, Krithiga Thangavelu, Samson Sunny, Purna Pushkala Somasundarama, Yuvarajan Devarajan	One pot Green Synthesis of Nano magnesium oxide-carbon composite: Preparation, characterization and application towards anthracene adsorption	Journal of Cleaner Production	2019	https://doi.org/10.1016/j.jclepro.2019.11.7691	6.34
5.	J.Anita lett, M.Sundareswari, K.Ravichandran, Bavanilatha and Suresh sagadevan	Fabrication and characterization of porous scaffolds for bone replacements using gum tragacanth	Materials Science & Engineering C	2019	https://doi.org/10.1016/j.msec.2018.11.082	4.959
6.	S. Karthick Raja Namasivayam, R.S. Arvind Bharani & Kirithiga K	Insecticidal fungal metabolites fabricated chitosan nanocomposite preparation for the enhanced insecticidal activity.	International Journal of Biological Macromolecules	2019	10.1016/j.ijbiomac.2018.08.130	4.785
7.	Arul maxims Rabel, S.Karthick Raja Namasivayam, M.Prasana, R.S.Arvind Bharani	A green chemistry to produce iron oxide – Chitosan nanocomposite (CS-IONC) for the upgraded bio-restorative and pharmacotherapeutic activities - Supra molecular nanoformulation against drug-resistant pathogens and malignant growth	International Journal of Biological Macromolecules	2019	https://doi.org/10.1016/j.ijbiomac.2019.07.158	4.784
8.	Samrot AV, Angalene JLA, Roshini SM, Stefi SM, Preethi R, Raji P, Kumar AM, Paulraj P, Kumar SS.	Purification, characterization and utilization of polysaccharide of Araucaria heterophylla gum for the synthesis of curcumin loaded nanocarrier	International Journal of Biological Macromolecules	2019	doi.org/10.1016/j.ijbiomac.2019.08.121	4.784
9.	Lett, Anita; Murugan, Sundareswari; Bavanilatha, M.;	Tailoring the morphological features of sol-gel synthesized mesoporous hydroxyapatite using fatty acid as an organic modifier	RSC Advances	2019	10.1039/C9RA00051H	3.049

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10.	Lakshmipathy muthukrishnan, Muralidharn chellapa, Animananda, 'sudhkar, gracyfathima, bavanilatha muthiah, Suresh sagadeven, anita lett	Biofabrication of pigment capped silver nanoparticles encountering antibiotic resistant strains and their cytotoxic effect towards human epidermoid larynx carcinoma cells (hep2)	RSC advances	2019	10.1039/C9RA01072F	2.936
11.	Y.Swarnalatha	Isochamanetin is a Selective Inhibitor for CyclinD1 in SKOV3 Cell Lines.	Journal of Nutrition and Cancer	2019	doi.org/10.1080/01635581.2018.1559933	2.5
12.	Prabavathy D*, Niveditha Ramdoss	Heterogeneity of Small Cell Lung Cancer Stem Cells in Stem Cells Heterogeneity in Cancer (pp. 41-57). Springer, Cham.	Advances in Experimental Medicine and Biology	2019	https://doi.org/10.1007/978-3-030-14366-4_3	2.126
13.	P Raji, Antony V Samrot, D Keerthana, S Karishma	Antibacterial Activity of Alkaloids, Flavonoids, Saponins and Tannins Mediated Green Synthesised Silver Nanoparticles Against Pseudomonas aeruginosa and Bacillus subtilis	Journal of Cluster Science	2019	doi.org/10.1007/s10876-019-01547-2	2.1
14.	Antony V Samrot, J Lavanya Agnes Angalene, SM Roshini, P Raji, SM Stefi, R Preethi, A Jenifer Selvarani, A Madankumar	Bioactivity and Heavy Metal Removal Using Plant Gum Mediated Green Synthesized Silver Nanoparticles	Journal of Cluster Science	2019	doi.org/10.1007/s10876-019-01602-y	2.1
15.	Antony V Samrot, C SaiPriya, J Lavanya Agnes Angalene, SM Roshini, PJ Jane Cypriyana, S Saigeetha, P Raji, S Suresh Kumar	Evaluation of Nanotoxicity of Araucaria heterophylla Gum Derived Green Synthesized Silver Nanoparticles on Eudrilus eugeniae and Danio rerio	Journal of Cluster Science	2019	DOI: 10.1007/s10876-019-01561-4	2.1
16.	P Raji, Antony V Samrot, Karanam Sai Bhavya, M Sharan, Sri Priya, Ponnaiah Paulraj	Greener Approach for Leather Tanning Using Less Chrome with Plant Tannins and Tannins Mediated Nanoparticles	Journal of Cluster Science	2019	DOI: 10.1007/s10876-019-01597-6	2.1

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17.	Saravanan, K. Gobi ; vishwakarma, Vinita; A.M, Kamalan Kirubaharan; Poornima, Subanithi; Muthiah, Bavanilatha	Characterization and Electrochemical Behavior of ZrO ₂ /CSZ Coated 316L SS before and after Incubation with Calcium Precipitating Oral Bacteria	Materials Research Express	2019	https://doi.org/10.1016/j.msec.2018.11.082	1.5
18.	Pushparaj Selvadoss, P., Nellore, J., Balaraman Ravindran, M., Sekar, U.	Novel pyochelin-based PEGylated liposomes for enhanced delivery of antibiotics against resistant clinical isolates of Pseudomonas aeruginosa	Artificial Cells, Nanomedicine and Biotechnology	2018	doi: 10.1080/21691401.2017.1408119	4.462
19.	Pradeep Pushparaj Selvadoss, Jayashree Nellore, Malathy Balaraman Ravindran, Uma Sekar & Jayakrishna Tippabathani	Enhancement of antimicrobial activity by liposomal oleic acid-loaded antibiotics for the treatment of multidrug-resistant Pseudomonas aeruginosa	Artificial Cells, Nanomedicine and Biotechnology	2018	doi: 10.1080/21691401.2017.1307209.	4.462
20.	Gobi Saravanan Kaliaraj,, Vinita Vishwakarma,, Kamalan Kirubaharan,, T. Dharini,, D. Ramachandran, Bavanilatha Muthiah	Corrosion and biocompatibility behaviour of zirconia coating by EBPVD for biomedical applications	Surface & Coatings Technology	2018	https://doi.org/10.1016/j.surfcoat.2017.11.047	3.192
21.	Gowrisankar K, S. Karthick Raja namasivayam	In vitro, In silico and In vivo Antitumor Activity of Crude Methanolic Extract of Tetilla dactyloidea (Carter, 1869) on DEN Induced HCC in a Rat Model	Biomedicine & Pharmacotherapy	2017	https://doi.org/10.1016/j.biopha.2017.08.054	3.743
22.	Y. Swarnalatha	Rosmarinic acid plays a protective role in the embryogenesis of zebrafish exposed to food colours through its influence on aurora kinase A level. Biomedicine & Pharmacotherapy	Biomedicine & Pharmacotherapy	2017	10.1016/j.biopha.2017.03.004	3.743
23.	Valli Nachiyar, Narendrakumar, Swetha Sunkar	Exopolysaccharide: Production, characterization and bioactivities.	International Journal of Biological Macromolecules	2016	http://dx.doi.org/10.1016/j.ijbiomac.2016.02.001	4.784

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24.	Gobi saravanan kaliraj M ,Bavanilathamuthiah,kamalan kirubbaharan,,D.Ramachandran, T.Dharini,D.Viswanathan and Vinita vishwakarma	Bio-inspired YSZ coated titanium by EB-PVS for Biomedical applications	Surface CoatingsTechnology	2016	DOI: 10.1016/j.surfcoat.2016.08.039	3.192
25.	Ramasamy Subbaiya, Andavar Raja Priya, Konathala Ravi Shankar, Masilamani Selvam, Muhammad Ovais, Ramachandran Balajee, Hamed Barabadi, Muthupandian Saravanan	Biomimetic synthesis of silver nanoparticles from Streptomyces atrovirens and their potential anticancer activity against human breast cancer cells	IET Nanobiotechnology	2017	DOI: 10.1049/iet-nbt.2016.0222	2.059
26.	Jayakrishna Tippabathani, Jayshree Nellore, Vaishnavie Radhakrishnan, Somashree Banik, and Sonia Kapoor	Identification of NURR1 (Exon 4) and FOXA1 (Exon 3) Haplotypes Associated with mRNA Expression Levels in Peripheral Blood Lymphocytes of Parkinson's Patients in Small Indian Population	Parkinson's Disease	2017	https://doi.org/10.1155/2017/6025358	2.27
27.	D.Inbakandan,C.Kumar,M.Bavanilatha,Dune Naga Ravindra and R.Kirubakaran	Ultrasonic assisted green synthesis of flower like silver nanocolloids using marine sponge extract and its effect on oral biofilm bacteria and oral cancer cell lines	Microbial Pathogenesis	2016	doi: 10.1016/j.micpath	2.581