

| S.No | Title of the paper | Name of the author(s) | Journal name | Vol (iss): page no | Year | Month | Impact factor | Index |
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| | 2020 | | | | | | | |
| 1. | Actinobacteria and their bioactive molecules for anti-WSSV activity: A mini review. | Namitha, R., R. Vasantharaja, M. Radhakrishnan, and K. Govindaraju. | Aquaculture Research | 1-7 | 2020 | OCT | 1.7 | Scopus & Web of Science |
| 2. | Nanoremediation of dimethomorph in water samples using magnesium aluminate nanoparticles | Kumaran. S, S. Bharathi, Uttra. V, Rajasekar T, Gopi .V, Prasannabalaji. N, Pugazhvendan. S.R, Wilson Auni, Deivasigamani. B. | Environmental Technology & Innovation | 1706:16:00 | 2020 | OCT | 3.3 | Scopus&Web of Science |
| 3. | Bioactive metabolites produced from <i>Streptomyces enissocaesilis</i> SSASC10 against fish pathogens | Kumaran. S, S. Bharathi, Uttra. V, Rajasekar T, Gopi .V, Prasannabalaji. N, Pugazhvendan. S.R, Wilson Auni, Deivasigamani. B | Biocatalysis and Agricultural Biotechnology | 1716:42:00 | 2020 | OCT | ** | Scopus&Web of Science |
| 4. | <i>In vitro</i> screening of antimicrobial, antioxidant, cytotoxic activities, and characterization of bioactive substances from freshwater cyanobacteria <i>Oscillatoria</i> sp. SSCM01 and <i>Phormidium</i> sp. SSCM02. | Prasanna Balaji Niangua, Anahas Perianaika Matharasi Antonyraj, Kumaran Subramanian, Sowparthani Kaliyaperumal, Suresh Gopal, Pugazhvendan Sampath Renuka, Wilson Aruni | Biocatalysis and Agricultural Biotechnology | 101772 | 2020 | OCT | ** | Scopus&Web of Science |
| 5. | Identification of biostimulant and microbicide compounds from <i>Streptomyces</i> sp. UC1A-3 for plant growth promotion and disease control. | Manigundan, K., Joseph, J., Ayswarya, S., Vignesh, A., Vijayalakshmi, G., Soyton, K., Gopikrishnan, V. and Radhakrishnan, M. September 2020. | International Journal of Agricultural Technology. | 16(5):1125-1144 | 2020 | Sep | ** | Scopus |

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| 6. | Luciferase Reporter Phage (LRP) assay for anti TB screening: Current status and challenges. | Anbarasu Sivaraj, Revathy Sundar, Krupakar Parthasarathy, Jerrine Joseph, Vanaja Kumar and Radhakrishnan Manikkam. | Biosci Biotech Res Commun., | 13 (3):-1236-1244 | 2020 | Sep | ** | Web of Science |
| 7. | Antimicrobial and antitubercular activity of endophytic actinobacterium, <i>Streptomyces</i> sp. SACC 4 isolated from the mangrove plant <i>Rhizophora apiculata</i> | Ayswarya, S., G. Vijayalashmi, A. Vignesh, K. Manigundan, V. Gopikrishnan, S. Anbarasu, Jerrine Joseph, and M. Radhakrishnan* . | Bioscience Biotechnology Research Communications | 13(3).1050-1054 | 2020 | Sep | ** | Web of Science |
| 8. | Evaluation of inhibitory activity of bacteriocins from <i>Enterococcus italicus</i> BLN48 against <i>Mycobacterium fortuitum</i> and its toxicity profiling | Revathy Kalyanasundaram, Manikkam Radhakrishnan* and Sivaraj Anbarasu. | Biosci. Biotech.Res. Commun. | 13 (3): 1156-1161 | 2020 | Sep | ** | Web of Science |
| 9. | Novel strain of <i>Nocardiosis</i> sp. CN2 from Andaman Nicobar Islands: Isolation, taxonomy, fermentation and antiproliferative effect on cervical cancer cells. | Chandrakumar, D., K. Gopalakrishnan, V. Karuppiah, N. Rajendra Prasad, M. Radhakrishnan*, K. Sivakumar, and R. Balagurunathan. | Biomedical and Biotechnology Research Journal. | 4(3) 200-208 | 2020 | Sep | ** | Scopus |
| 10. | Anti infective potential of marine actinobacteria against carbapenem resistant <i>Klebsiella pneumoniae</i> ATCC13882 | Sukanthkumar Ezhakil, Vijayalakshmi Ganesan, Manigundan Kari, Bharathi Selvaraj, Gopikrishnan Venugopal, Jerrine Joseph, Radhakrishnan Manikkam* | Research J. Pharmacy and Technology | 13(8):3653-3660 | 2020 | Aug | ** | Scopus |
| 11. | Discovery of a novel Mycobacterial F-ATP synthase inhibitor and its potency in combination with diarylquinolines | Adam Hotra, Priya Ragunathan, Pearly Shuyi Ng, Pattarakiat Seankongsuk, Amaravadhi Harikishore, Jickky Palmae Sarathy, Saw Wuan Geok, Umayal Lakshmanan, | Angew. Chem | 132, (32) 2020:13397-1340 | 2020 | Aug | 12.25 | Web of science |

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| 12. | Bioconversion of chitin and concomitant production of chitinase and N-acetylglucosamine by novel <i>Achromobacter xylosoxidans</i> isolated from shrimp waste disposal area | Kumaran Subramanian, Balamurugan Sadaippan, Wilson Aruni, Alagappan Kumarappan, Rajasekar Thirunavukarasu, Guru Prasad Srinivasan, Selvaraj Bharathi, Prasannabalaji Nainangu, Pugazhvendan Sampath Renuga, Anandajothi Elamaran, Deivasigamani Balaraman & Mahendran Subramanian | Nature Scientific Reports | 208:18:00 | 2020 | July | 4.1 | Scopus/Web of Science |
| 13. | A review on pathogenesis, prevention and control of novel Corona virus of Covid-19. | Subramanian Kumaran, Anahas Perianaika Matharasi Antonyraj, Prasannabalaji Nainangu, Pugazhvendan Sampath Renuka, Rajasekar Thirunavukarasu, Sadaippan Balamurugan, Bharathi Selvaraj, Suresh Gopal, Guru Prasad Srinivasan, Praveen Kumar Elango, Balasubramanian Balakrishnan and Wilson Aruni | Oriental Journal of Chemistry | 36,(4) | 2020 | July | 0.136 | Web of Science |
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| 15. | Antiseptic efficacy of combination of essential oils against multidrug-resistant pathogens. | Jerrine Joseph , R. Devadarshini, A. Suresh, M. Radhakrishnan , T. Rajasekar, V. Gopikrishnan , S. Shakila* and Wilson Aruni | Biosci Biotech Res Commun., | 13 (2); 565-570 | 2020 | June | ** | Web of Science |

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| 16 | Andrographolide As Potential Inhibitor of SARS-CoV-2 Main Protease: An In Silico Approach | Sukanth Kumar Enmozhi, Kavitha Raja, Irudhayasamy Sebastine, Jerrine Joseph* | Journal of Biomolecular Structure and Dynamics | https://doi.org/10.1080/07391102.2020.1760136 | 2020 | May | 3.3 | Web of Science |
| 17 | Extracellular synthesis of nanoselenium from fresh water bacteria <i>Bacillus</i> sp., and its validation of antibacterial and cytotoxic potential | S.Bharathi, S. Kumaran, G. Suresh, M. Ramesh, V. Thangamani, S.R. Pugazhvendan | Biocatalysis and Agricultural Biotechnology | https://doi.org/10.1007/s42770-020-00263-8 | 2020 | May | ** | Web of Science |
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| 19 | <i>Pseudomonas aeruginosa</i> synthesized silver nanoparticles inhibit cell proliferation and induce ROS mediated apoptosis in thyroid cancer cell line (TPC1) | Jinmei Yang, Qiang Wang, Chunxiao Wang, Ruiyi Yang, Mukhtar Ahmed, Subramanian Kumaran , Periyannan Velu, and Bo Li | Artificial Cells, Nano Medicine and Biotechnology | DOI:10.1080/21691401.2019.1687495. | 2020 | May | 3.3 | Web of Science |
| 20 | Microbial degradation, spectral analysis and toxicological assessment of malachite green dye by newly isolated actinobacterium, <i>Streptomyces chrestomyeticus</i> (S20). | Vignesh. A, Manigundan. K, Santhosh kumar. J, Shanmugasundaram, T, Gopikrishnan. V , Radhakrishnan. M*, Jerrine Joseph, Ayyasamy. P.M, Govindaraj Dev Kumar, and Balagurunathan, R. | Bioprocess and Biosystems Engineering | https://doi.org/10.1007/s00449-020-02339-z | 2020 | April | 2.3 | Web of Science |
| 21 | Purification and characterization of bacteriocins active against <i>Mycobacterium tuberculosis</i> from lactic acid bacteria. | Anbarasu S, , Vanaja Kumar, Uma Rani, Revathy Kalyanasundram and Radhakrishnan Manikkam. | Research Journal of Biotechnology | Vol. 15 (4) | 2020 | April | ** | Web of science |

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| 23 | <i>In vitro</i> activity of selected medicinal plant extracts against <i>Mycobacterium tuberculosis</i> and other Non Mycobacterial pathogen | Vaishnavi C., R. Anusha, M. Radhakrishnan, S. Anbarasu, Wilson Aruni and Jerrine Joseph. | Bioscience Biotechnology Research Communications | 13(1): 113-118 | 2020 | March | ** | Web of Science |
| 24 | <i>In-vitro</i> anti-inflammatory and in-silico anti-aging properties of <i>Psidium guajava</i> Leaves | Raghavi R, Mohamoodha N., Chalapandian K., Rajasekar T, Wilson Aruni and Jerrine Joseph* | Biosc. Biotech. Res. Comm . Vol | 13 (1) - March 00-00 2020 | 2020 | March | ** | Web of Science |
| 25 | Mycosynthesis of anticancer drug taxol by <i>Aspergillus oryzae</i> , an endophyte of <i>Tarenna asiatica</i> characterization, and its activity against a human lung cancer cell line | Gopal Suresh, Dhanasegaran Kokila, Thriunavaukarasu Chitrikha Suresh, Subramanian Kumaran, Palanivel Velmurgan, Kaliyaapan Amballandi Vedhanayakisri, Subramainaian Sivakumar | Biocatalysis and Agricultural Biotechnology | 24, 101525 | 2020 | March | ** | Web of Science |
| 26 | Actinobacterial-mediated fabrication of silver nanoparticles and their broad spectrum antibacterial activity against clinical pathogens | Devagi, P., T. Chitrikha, R.V. Sandhiya, M. Sairandhry, S. Bharathi, P. Velmurugan, M. Radhakrishnan, T. Sathiamoorthi and G. Suresh | J Nanoscience and Nanotechnology | 20; 2902-2910 | 2020 | February | 1.34 | Web of Science |
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| 31 | Apoptotic induction and anti-metastatic activity of eugenol encapsulated chitosan nanopolymer on rat glioma C6 cells via alleviating the MMP signalling pathway | Zhenjiang Li; Vishnu Priya Veeraraghavan; Surapaneni Krishna Mohan; Srinivasa Rao Bolla; Hariprasath Lakshmanan; Subramanian Kumaran; Wilson Aruni; Aref Ali Mohammed Aladresi; Omar H.M. Shair; Sulaiman Ali Alharbi; Arunachalam Chinnathambi | Journal of Photochemistry and Photobiology B: Biology | 203, 11177. | 2020 | January | 4.06 | Scopus |
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