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List of Publications

1. M. Sanjivkumar, T. Silambarasan, R. Balagurunathan and G. Immanuel.2018. Biosynthesis, molecular modeling and statistical optimization of xylanase from a mangrove associated actinobacterium *Streptomyces variabilis* (MAB3) using Box-Behnken design with its bioconversion efficacy. Journal of Biological Macromolecules doi.org/10.1016/j.ijbiomac. (IF. 3.67).
2. M. Sanjivkumar, A. Brindashini, M. Deivakumari, A. Palavesam and G. Immanuel.2018. Investigation on saccharification and bioethanol production from pre-treated agro residues using a mangrove associated actinobacterium *Streptomyces variabilis* (MAB3). Waste and Biomass Valorization. Vol.9:969-984 (IF.1.337).
3. P.Prema, S. Thangapandiyan and G. Immanuel. 2017. CMC stabilized nano silver synthesis, characterization and its antibacterial and synergistic effect with broad spectrum antibiotics. Carbohydrate Polymers. Vol.158,141-148 (IF.4.31).
4. M. Sanjivkumar, S.Tamil Selvan, A. Palavesam and G. Immanuel. 2017.Bioconversion and bioethanol production from agro-residues through fermentation process using mangroveassociated actinobacterium *Streptomyces olivaceus* (MSU3). Biofuels. DOI 10.1080/17597269.2017.1309853(IF.1.16)
5. A. M. Suganya, M. Sanjivkumar, M.Navin, A.Palavesam and G. Immanuel. 2017. Pharmacological importance of sulphated polysaccharide carrageenan from red seaweed *Kappaphycus alvarezii* in comparison with commercial carrageenan. Biomedicine and Pharmacotherapy, Vol.84,1300-1312 (IF.2.75)

6. M. Sangivkumar, T.S. Silambarasan, A. Palavesam and G. Immanuel. 2016. Biosynthesis, purification and characterization of β -1,4 xylanase from a novel mangrove associated actinobacterium *Streptomyces olivaceus* (MSU3) and its application. *Protein expression and Purification*, Vol.130, 1-12 (IF. 1.35)
7. S. Prakash, R. Ramasubburayan, V.S. Ramkumar, E. Kannapiran, A. Palavesam and G. Immanuel. 2016. In vitro Scientific evaluation on antimicrobial, antioxidant, cytotoxic properties and phytochemical constituents of traditional coastal medicinal plants. *Biomedical and Pharmacotherapy*, Vol.83, 648-657 (IF. 2.75).
8. P. Prema, P.A. Iniya and G. Immanuel.2016. Microbial mediated, synthesis, characterization, antibacterial and synergistic effect of gold nanoparticles using *Klebsiella pneumoniae* (MTCC4030). *The journal of Royal Society of Chemistry*, Vol.6, 4601-4607. (IF. 3.84).
9. S. Prakash, R. Rammasubburayan, P. Iyapparaj, A.R. Arthi, N.K. Ahila, V.S. Ramkumar, G. Immanuel and A. Palavesam. 2016. Environmentally benign antifouling potentials of triterpene- glycosides from *Streptomyces fradiae*: a mangrove isolate *The journal of Royal Society of Chemistry*, Vol.5, 29524-29534 (IF. 3.84).
- 10.S. Prakash, R. Rammasubburayan, P. Iyapparaj, N.K. Ahila, V. Sri Ramkumar, A.Palavesam, G. Immanuel and E. Kannapiran. 2016. Influence of physicochemical and nutritional factors on bacterial diversity in mangrove sediments along the southwest coast of Tamilnadu, India. *Environmental monitoring and assessment*, Vol. 187, 562-579 (IF. 1.68).