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**List of recent 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.jbiomac. (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  $\beta$ -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 Phrmacotherapy, 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).