

Publications in Journals

- Goswami M, Bhattacharyya P, **Tribedi P*** (2017) Addition of Rubber to soil damages the functional diversity of soil. **3 Biotech** 7(3): 173 (*Corresponding author) (**IF 2.4**)
- **Tribedi P***, Dey S (2017) Pre-oxidation of low-density polyethylene (LDPE) by ultraviolet light (UV) promotes enhanced degradation of LDPE in soil. **Environmental monitoring and assessment** 189(12): 624 (*Corresponding author) (**IF 2.5**)
- Bhattacharyya P, Agarwal B, Goswami M, Maiti D, Baruah S, **Tribedi P*** (2018) Zinc oxide nanoparticle inhibits the biofilm formation of *Streptococcus pneumoniae*. **Antonie van Leeuwenhoek** 111(1): 89-99 (*Corresponding author) (**IF 2.2**)
- Dey S, **Tribedi P*** (2018) Microbial functional diversity plays an important role in the degradation of polyhydroxyl butyrate (PHB) in soil. **3 Biotech** 8(3): 171 (*Corresponding author) (**IF 2.4**)
- Chakraborty P, Joardar S, Ray S, Biswas P, Maiti D, **Tribedi P*** (2018) 3, 6-Di (pyridin-2-yl)-1, 2, 4, 5-tetrazine (pytz)-capped silver nanoparticles (TzAgNPs) inhibit biofilm formation of *Pseudomonas aeruginosa*: a potential approach toward breaking the wall of biofilm through reactive oxygen species (ROS) generation. **Folia Microbiologica** 63 (6): 763-772 (*Corresponding author) (**IF 2.0**)
- Chakraborty P, Daware AV, Kumari M, Chatterjee A, Bhattacharyya D, Mitra G, Akhter Y, Bhattacharjee S, **Tribedi P*** (2018) Free tryptophan residues inhibit quorum sensing of *Pseudomonas aeruginosa*: a potential approach to inhibit the development of microbial biofilm. **Archives of microbiology** 200(10): 1419-25 (*Corresponding author) (**IF 2.5**)
- Goswami M, Chakraborty P, Mukherjee K, Mitra G, Bhattacharyya P, Dey S, **Tribedi P*** (2018) Bioaugmentation and biostimulation: a potential strategy for environmental remediation. **Journal of Microbiology & Experimentation** 6: 223-23 (*Corresponding author)
- Chakraborty P, **Tribedi P*** (2019) Functional diversity performs a key role in the isolation of nitrogen-fixing and phosphate-solubilizing bacteria from soil. **Folia Microbiologica** 64 (3): 461-470 (*Corresponding author) (**IF 2.0**)
- Chakraborty P, Sarker RK, Roy R, Ghosh A, Maiti D, **Tribedi P*** (2019) Bioaugmentation of soil with *Enterobacter cloacae* AKS7 enhances soil nitrogen content and boosts soil microbial functional-diversity. **3 Biotech** 9(7): 253 (*Corresponding author) (**IF 2.5**)
- Chakraborty P, Dastidar DG, Paul P, Dutta S, Basu D, Sharma SR, Basu S, Sarker RK, Sen A, Sarkar A, **Tribedi P*** (2019) Inhibition of biofilm formation of *Pseudomonas aeruginosa* by caffeine: a potential approach for sustainable management of biofilm. **Archives of Microbiology** 27:1-3 (*Corresponding author) (**IF 2.5**)
- Chakraborty P, Dave R, Paul P, Dutta S, Sarkar S, **Tribedi P*** (2020) Exploration of strategies to increase the nitrogen and phosphate content of solid waste landfill soil. **Environmental Monitoring and Assessment** 192(4): 1-3 (*Corresponding author) (**IF 2.5**)
- Sarker RK, Chakraborty P, Paul P, Chatterjee A, **Tribedi P*** (2020) Degradation of low-density poly ethylene (LDPE) by *Enterobacter cloacae* AKS7: a potential step towards

sustainable environmental remediation. **Archives of Microbiology** 202: 2117-2125 (*Corresponding author) (IF 2.5)

- Sarkar S, **Tribedi P**, Bhadra, K (2021). Structure-activity insights of harmine targeting DNA, ROS inducing cytotoxicity with PARP mediated apoptosis against cervical cancer, anti-biofilm formation and in vivo therapeutic study. **Journal of Biomolecular Structure and Dynamics**: 1-23 (IF 3.5).
- Roy R, Mukherjee G, Gupta AD, **Tribedi P***, Sil AK (2021) Isolation of a soil bacterium for remediation of polyurethane and low-density polyethylene: a promising tool towards sustainable cleanup of the environment. **3 Biotech** 11(1):1-4. (*Corresponding author) (IF 2.5)
- Paul P, Chakraborty P, Chatterjee A, Sarker RK, Dastidar DG, Kundu T, Sarkar N, Das A, **Tribedi P*** (2021) 1,4-Naphthoquinone accumulates reactive oxygen species in *Staphylococcus aureus*: a promising approach towards effective management of biofilm threat. **Archives of Microbiology** 203: 1183-1193. (*Corresponding author) (IF 2.5)
- Chakraborty P, Paul P, Kumari M, Bhattacharjee S, Singh M, Maiti D, Dastidar DG, Akhter Y, Kundu T, Das A, **Tribedi P*** (2021) Attenuation of *Pseudomonas aeruginosa* biofilm by thymoquinone: an individual and combinatorial study with tetrazine-capped silver nanoparticles and tryptophan. **Folia Microbiologica** 66(2): 255-271. (*Corresponding author) (IF 2.0)
- Sarker RK, Paul P, Das S, Chatterjee S, Chakraborty P, **Tribedi P*** (2021) Exploration of Strategies for the Enhanced Biodegradation of Low-Density Polyethylene (LDPE) by A Soil Bacterium *Enterobacter Cloacae* AKS7. **Journal of Pure and Applied Microbiology** (<https://doi.org/10.22207/JPAM.15.3.16>) (*Corresponding author) (IF 0.2)
- Paul P, Das S, Chatterjee S, Shukla A, Chakraborty P, Sarkar S, Maiti D, Das A, **Tribedi P*** (2021) 1, 4-Naphthoquinone disintegrates the pre-existing biofilm of *Staphylococcus aureus* by accumulating reactive oxygen species. **Archives of Microbiology** 17:1-2. (*Corresponding author) (IF 2.5)
- Paul P, Chakraborty P, Sarker RK, Chatterjee A, Maiti D, Das A, Mandal S, Bhattacharjee S, Dastidar DG, **Tribedi P*** (2021) Tryptophan interferes with the quorum sensing and cell surface hydrophobicity of *Staphylococcus aureus*: a promising approach to inhibit the biofilm development. **3 Biotech** 11(8):1-2 (*Corresponding author) (IF 2.5)
- Chatterjee S, Paul P, Chakraborty P, Das S, Sarker RK, Sarkar S, Das A, **Tribedi P*** (2021) Cuminaldehyde exhibits potential antibiofilm activity against *Pseudomonas aeruginosa* involving reactive oxygen species (ROS) accumulation: a way forward towards sustainable biofilm management. **3 Biotech**. (*Corresponding author) (IF 2.4)
- Das S, Paul P, Chatterjee S, Chakraborty P, Sarker RK, Das A, Maiti D, **Tribedi P*** (2021) Piperine exhibits promising antibiofilm activity against *Staphylococcus aureus* by accumulating reactive oxygen species (ROS). **Archives of Microbiology**. (*Corresponding author) (IF 2.5)
- Sarker RK, Chakraborty P, Sarkar S, Ghosh MM, **Tribedi P*** (2021) Bioaugmentation of *Enterobacter cloacae* AKS7 causes an enhanced degradation of Low Density Polyethylene (LDPE) in soil: a promising approach for the sustainable management of LDPE-waste. **Archives of Microbiology**. (*Corresponding author) (IF 2.5)

- Majumder D, Sarkar C, Debnath R, **Tribedi P**, Maiti D (2022) Mechanistic insight into the synergism of IL-27 and IL-28B in regulation of benzo (a) pyrene-induced lung carcinogenesis associated ROS/NF- κ B/NLRP3 crosstalk. **Chemico-Biological Interactions** 354: 109807. (IF 5.2)