

Name: **ANUMITA SARKAR**

Designation: **Assistant Professor in Botany, WBES.**

Educational qualification: **M.Sc**

Teaching Experience: **3+ years**

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Area of specialization: **Microbiology, Environmental microbiology in relation with sustainable development, Plant growth promoting rhizobacteria (PGPR).**

Total publications: **11**

List of some recent publications:

1. A halotolerant *Enterobacter* sp. displaying ACC deaminase activity promotes rice seedling growth under salt stress
A Sarkar, PK Ghosh, K Pramanik, S Mitra, T Soren, S Pandey, MH Mondal, TK Maiti. *Research in microbiology*, 2017 (Elsevier) 169 (1), 20-32. **(I.F.- 2.7)**
2. Characterization of cadmium-resistant *Klebsiella pneumoniae* MCC 3091 promoted rice seedling growth by alleviating phytotoxicity of cadmium
K Pramanik, S Mitra, A Sarkar, T Soren, TK Maiti
Environmental Science and Pollution Research, 2017 (Springer) 24 (31), 24419-24437 **(I.F.- 2.7)**
3. Microbial assisted (*pseudomonas* sp.) production of novel bio-surfactant rhamnolipids and its characterisation by different spectral studies
MH Mondal, A Sarkar, TK Maiti, B Saha
Journal of Molecular Liquids, 2017 (Elsevier) 242, 873-878 **(I.F.- 3.6)**
4. Alleviation of phytotoxic effects of cadmium on rice seedlings by cadmium resistant PGPR strain *Enterobacter aerogenes* MCC 3092
K Pramanik, S Mitra, A Sarkar, TK Maiti
Journal of hazardous materials, 2018 (Elsevier) 351, 317-329 **(I.F.- 6.3)**
5. Characterization of Cd-resistant *Klebsiella michiganensis* MCC3089 and its potential for rice seedling growth promotion under Cd stress
S Mitra, K Pramanik, PK Ghosh, T Soren, A Sarkar, RS Dey, S Pandey TK Maiti.
Microbiological research, 2018 (Elsevier) 210, 12-25 **(I.F.- 3.1)**
6. Bioaccumulation of cadmium by *Enterobacter* sp. and enhancement of rice seedling growth under cadmium stress
S Mitra, K Pramanik, A Sarkar, PK Ghosh, T Soren, TK Maiti
Ecotoxicology and environmental safety, 2018 (Elsevier) 156, 183-196 **(I.F.- 3.7)**