

Publications/ Abstract/ Proceedings, Culture deposition and Sequences deposited to databases

(A) Publications

1. Mandal AK, Yadav KK, Sen IK, **Kumar A**, Chakraborti S, Islam SS and Chakraborty R. 2012. Partial characterization and flocculating behavior of an exopolysaccharide produced in nutrient-poor medium by a facultative oligotroph *Klebsiella* sp. PB12. *Journal of Bioscience and Bioengineering*. PMID: 22944200. doi: 10.1016/j.jbiosc.2012.08.006.
2. **Kumar A**, Ince İA, Kati A and Chakraborty R. 2012. *Brevibacterium siliguriense* sp. nov., a novel facultatively oligotrophic bacterium, isolated from river water. *International Journal of Systematic and Evolutionary Microbiology* (in press). PMID: 22523163. doi:10.1099/ij.s.0.038281-0.
3. **Kumar A**, Chakraborti S, Joshi P, Chakrabarti P and Chakraborty R. 2011. A multiple antibiotic and serum resistant oligotrophic strain, *Klebsiella pneumoniae* MB45 having novel *dfrA30*, is sensitive to ZnO QDs. *Annals of Clinical Microbiology and Antimicrobials*, 10:19. PMID: PMC3118321.
4. **Kumar A**, Mukherjee S and Chakraborty R. 2010. Characterization of a novel trimethoprim resistance gene, *dfrA28*, in class 1 integron of an oligotrophic *Acinetobacter johnsonii* strain, MB52, isolated from River Mahananda, India. *Microbial Drug Resistance*, 16: 29-37. PMID: 20192821.

(B) Symposia/conference/Congress

1. **Kumar A**, and Chakraborty R. 2012. Nanobiotic solution to control a potentially pathogenic β -Hemolytic *Aeromonas* sp. strain MRA221, resistant to Human Serum and Multiple Antibiotics. In abstract volume of "National conference on Biology and Bioinformatics of Economically Important Plants and Microbes" held at from 17-19 February, organized by, DRS Department of Botany, Bioinformatics facility, University of North Bengal, Siliguri, West Bengal, India. (Oral).
2. **Kumar A**, Chakraborti S, Chakrabarti P and Chakraborty R. 2011. A potentially pathogenic oligotrophic *Aeromonas* strain MB21 is sensitive to ZnO Quantum Dots. In abstract volume of "4th Congress of European Microbiologists, FEMS 2011 held at Geneva, Switzerland. June 26 -30. (Poster No. 126).
3. Chakraborty R, **Kumar A**, Bhowal S, Mukherjee S, Sarkar S, Kumar D, Mandal AK, Tiwary BK, Singh P. 2011. Fluidity of gene cassettes in antibiotic sensitive and resistant oligotrophic bacteria of river Mahananda at Siliguri, India. In abstract volume of "4th Congress of European Microbiologists", FEMS 2011 held at Geneva, Switzerland. June 26 -30. (Poster No. 6).
4. **Kumar A**, Chakraborti S, Joshi P, Chakrabarti P and Chakraborty R. 2011. Title: Molecular Characterization and Expression of a Novel Dihydrofolate Reductase Gene (coding for Trimethoprim Resistance) from a New Multi-Drug Resistant Strain of *Klebsiella pneumoniae*". In abstract volume of "Young Researchers conference 2011, held at Institute of Chemical Technology (A grade by MHRD), University of Mumbai during January 13-14. (Poster).
5. Mandal AK, **Kumar A**, Chakraborti S and Chakraborty R. 2011. Testing the Efficacies of ZnO-QDs as Potential Antibacterial Agent for Multi-Drug Resistant Enteropathogens. In abstract volume of "Young Researchers conference 2011", held at Institute of Chemical Technology, University of Mumbai during January 13-14. (Poster).
6. Mandal AK, **Kumar A**, and Chakraborty R. 2010. Towards Explaining the Molecular physiology and Resistance to Hydrogen Peroxide and Nano-Particle Killing of A Gram Negative Facultative oligotrophic Strain PB12, Isolated from the River Mahananda, Siliguri, India". In abstract volume of "Diversity and Prospects of Microbial Resources" from 26-28 February, organized by, Department of Microbiology, University of North Bengal, Siliguri, West Bengal, India. (Poster).

7. **Kumar A.**, Mukherjee S, Bhowal S and Chakraborty R. 2008. Diversity of oligotrophic riverine bacteria carrying gene cassette capturing genetic devices in their genome. *In* abstract volume of “*Diversity and Functionality of Plant and Microbes*” held at Jan 24-25, 2008 at Dept. of Botany, University of North Bengal, W.B, India. (Poster).

(D) Bacterial cultures deposited in culture Banks:

Kumar A., Ince İA, and Chakraborty R. 2010. *Brevibacterium siliguriense* strain MB18^T deposited under following accession numbers provided by respective culture collection centers-

- **BCCMTM/LMG** Bacteria Collection, University Gent-Laboratorium voor Microbiologie, Gent Belgium, Ac. No. **LMG 25772**, and
- **DSMZ** Inhoffenstraße 7 b 38124 Braunschweig Germany, Germany, Ac. No. **DSM 23676**.

(E) Nucleotide Sequences submitted to GenBank/ EMBL database:

Accession numbers: AM937241 to AM937247, AM997271 to AM997282, AM991326 to AM991334, FM179325 to FM179328, FM955254, FM955483, FM955255, FM958478, FM998811, FM865443 to FM865447, FM865448, FM865635, FN178516, FN178517, FN178520, FN263373, FN263374, FN396607, FN396608, FR677018, FR677019, FR677020, FR677021, HE650979 ,to HE650986, HF562221 to HF562233, HM989848.

