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- **Publications**

1. Ipsita Chakravarty, Kanika Kundu , Sumedha Ojha and Subir Kundu (2017)
“Development of Various Processing Strategies for New Generation Antibiotics Using Different Modes of Bioreactors”. **JSM Biotechnol Bioeng** 4(1): 1073.
2. Anwasha Barua, Ipsita Chakravarty, Kanika Kundu, Sukhendra Singh and Subir Kundu (2015), "Sustainable and Effectual Bio Fabrication of Gold Nanoparticles for Screening of Milk Adulteration". **J Nanomater Mol Nanotechnol**, 4:5, 2015,
3. Ipsita Chakravarty, Roshan J. Pradeepam, Kanika Kundu, Pankaj Kumar Singh and Subir Kundu, (2015) "Mycofabrication of Gold Nanoparticles and Evaluation of their Antioxidant Activities". **Current Pharmaceutical Biotechnology**, 16(8),747-755.
4. Subir Kundu, Sukhendra Singh, Sumedha Ojha and Kanika Kundu. (2015) "Role of Biorefining and Biomass Utilization in Environmental Control". World Academy of Science, Engineering and Technology, International Science Index 97, **International Journal of Environmental, Ecological, Geological and Marine Engineering** 9(1), 15 - 18.
5. Subir Kundu, Sukhendra Singh, Sumedha Ojha and Kanika Kundu. (2015) "Efficient utilization of Biomass for Bioenergy in Environmental Control". World Academy of Science, Engineering and Technology, International Science Index, **International**

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6. Sumedha Ojha, Kanika Kundu and Subir Kundu, (2014) "In Silico Docking Studies of Conventional and Non Conventional Antibiotics with *Staphylococcus aureus*", **International Journal of Basic and Applied Biology**, 2(2), 50-54.
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11. Kumar Gaurav, Kanika Kundu and Subir Kundu (2007). Microbial production of 7-aminocephalosporanic acid and new generation cephalosporins by different processing strategies. **Artificial Cells, Blood Substitutes and Biotechnology**, 35, 345.

12. Subir Kundu., Amulya C. Mahapatra, Vinod K. Nigam,., and Kanika Kundu (2003)
"Continuous production of Cephalosporin-C by immobilized microbial cells using symbiotic mode in a packed bed bioreactor." **Artificial Cells, Blood Substitutes and Biotechnology** - International Journal (Marcel Dekker Publication, New York), 31(3) 313 - 327.
13. Amulya .C., Mahapatra, Kanika Kundu., Vinod K Nigam,., M.V.P. Mandava, and Subir Kundu (2002) "Comparative studies of CPC production by free and immobilized cells of Cephalosporium acremonium in different modes of Bioreactors." **Indian J. Microbiology**, 42, 319-322.
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Book Chapters (Internationally Published)

1. Ipsita Chakravarty, Kanika Kundu, Sumedha Ojha and Subir Kundu (2017) "Design and Development of Antibiotic Fermentation Using Different Processing Strategies: Challenges and Perspectives": in the Book Entitled "Bio-process Technologies:

Principles and applications"

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2. Ipsita Chakravarty, Kanika Kundu, Subir Kundu (2015), "Daptomycin: Discovery, Development and Perspectives": The Battle Against Microbial Pathogens: Basic Science, Technological Advances and Educational Programs- ISBN 978-966-8736-05-6, Formatex Publications.
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4. Kumar Gaurav, Sourish Karmakar, Kanika Kundu, and Subir Kundu, (2012). "Design, Development and Synthesis of Novel Cephalosporin Group of Antibiotics. In Antibiotic Resistant Bacteria - A Continuous Challenge in the New Millennium". Marina Pana (Ed.), pp. 487-501. InTech Publishers, Croatia. (ISBN 978-953-51-0472-8).
5. Sourish Karmakar, Arka Pravo Kundu, Kanika Kundu and Subir Kundu, (2012). "Microbial wastewater treatment for heavy metal, oil and radioactive contamination". In Wastewater Treatment: Advanced Processes and Technologies, D.G. Rao, R. Senthilkumar, J. Anthony Byrne, and S. Feroz (Ed.), pp. 185-210. CRC Press, Taylor & Francis Books Inc., London. (ISBN 9781439860441 & e-Book ISBN 9781439860458).
6. Kumar Gaurav, Kanika Kundu, Sourish Karmakar and Subir Kundu (2011). "Development of New Generation Cephalosporins". Recent advances in life sciences. A.K. Rai (Ed.), 173-186, I. K. Publishers, India.
7. Sourish Karmakar, Kanika Kundu and Subir Kundu, (2010). "Development and Designing of Microbial Fuel cells", Microbiology Book Series, Vol. 2: Current Research, Technology and Education Topics in Applied Microbiology and Microbial Biotechnology, A. Mendez- Vilas (Ed.), pp. 1029-1034. Formatex Research Center, Spain. (ISBN (13): 978-84-614-6195-0).

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