

A. Publication in Peer reviewed journals (2006-2008):

1. N. Gera, R. Uppaluri, VenkataV. Dasu and **Shampa Sen (2008)** Growth kinetics and production of glucose oxidase using *Aspergillus niger* NRRL 326', *Chemical and Biochemical Engineering Q.*, 22, 315-320.
2. **Bedabrata Saha**, Saswati Chakraborty and Gopal Das (**2008**) Trimesic acid coated alumina: An efficient multi-cyclic adsorbent for toxic Cu(II), *Journal of Colloid and Interface Science*, 329, 30-39.
3. **Bedabrata Saha**, Saswati Chakraborty and Gopal Das (**2008**) A comparative metal ion adsorption study by trimesic acid coated alumina: A potent adsorbent, *Journal of Colloid and Interface Science*, 323, 26-32.
4. **Jayashree Nath**, Mihir K. Chaudhuri (**2008**) Boric acid catalyzed bromination of a variety of organic substrates: an eco-friendly and practical protocol, *Green Chemistry Letters and Reviews*, 1(4), 223-230.
5. H. Ghosh, R. Yella, **Jayashree Nath**, and Bhisma K. Patel (**2008**) Desulfurization Mediated by Hypervalent Iodine (III): A Novel Strategy for the Construction of Heterocycles, *European Journal of Organic Chemistry*, 6189-6196.
6. Bhaskar. J. Deka, **Biju P. Sahariah** and Saswati Chakraborty (**2008**) Anaerobic-anoxic-aerobic three stages attached growth system for removal of ammonia, *Journal of Environmental research and development* 3 (2), 442-448.
7. **Shampa Sen**, VenkataV. Dasu and Biplab Mandal (**2007**) Developments in Directed Evolution for Improving Enzyme Functions, *Applied Biochemistry and Biotechnology*, 143, 212-223.
8. Sharad Gokhale, **Suresh Pandian (2007)** A semi-empirical box model approach for predicting the carbon monoxide concentrations at an urban traffic intersection, *Atmospheric Environment*, 41, 7940-7950.
9. **Shampa Sen**, Dasu, Venkata V. Dasu and Bisnupada Mandal. (**2007**). Developments in directed evolution for improving enzyme functions. *Applied Biochemistry and Biotechnology*, 143, 212-223.

B. CONFERENCES AND SEMINARS (2009):

1. Ashish Sharma, Nadeem Akhtar, **Deepmoni Deka**, Arun Goyal and Dinesh Goyal (**2008**) Isolation and characterization of cellulose degrading bacteria. "International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics (49th Annual Conference of Association of Microbiologists of India)", December 18-20, 2008, University of Delhi, Delhi 110 007, India. p348

2. **Deepmoni Deka**, Shweta Sinha, Ashish Sharma, Minakshi Datta, Arun Goyal and Dinesh Goyal (2008) Comparative characterization and optimization of cellulase activity of different bacterial and fungal strains. “National Conference on New Horizons in Biotechnology”, February 8-9, 2008, Swami Vivekanand Mahavidyalaya, Udgir, Maharashtra, India, p43.
3. **Shampa Sen**, Bisnupada Mandal and Venkata V.Dasu (2008). Applications of alkaline protease from a newly isolated *Bacillus pseudofirmus* SVB1 in slaughter house waste biodegradation. International society of Biotechnology, December 28-30, Gangtok, INDIA.
4. **Anandkumar J** and Mandal, B. (2008). Study on the Preparation of Cashew Husk Adsorbents and Biosorption of Cr⁶⁺ from Aqueous Solution. “International Congress on Environmental research” (ICER-2008), December 18-20, Goa, INDIA.
5. **Naresh K. Sahoo**, Kanan Pakshirajan, Pranab K. Ghosh (2008) Screening of media constituents for chlorophenol biodegradation by *Arthrubactor chlorophenolicus* A6 employing full factorial design of experiments (Oral). ChEmference’08, organized at Department of Chemical Engineering of Indian Institute of Technology Kanpur, 5-6 July 2008.
6. **Anandkumar, J** and Mandal, B. (2008). Adsorption of chromium (VI) from aqueous solution using Bael fruit (*Aegle marmelos correa*) shell as an adsorbent. “The Indian Chemical Engineering Congress” (CHEMCON-2008), Dec 26-30, Chandigarh, INDIA.
7. **Deepmoni Deka**, Mohammad Jawed and Arun Goyal (2008) Screening, isolation, biochemical characterization and enzymatic assays of cellulolytic microorganism isolated from soil. “International Congress on Bioprocesses in Food Industries (5th Convention of Biotech Research Society of India”, November 6-8, 2008, Osmania University, Hyderabad, India. p97-98.
8. **B.P. Sahariah**, B.J. Deka and S. Chakraborty (2008). Anaerobic-anoxic-aerobic three stages attached growth system for removal of ammonia. *International Congress on Environmental Research (ICER-2008)*, Birla Institute of Technology and Science (BITS) Pilani, Goa Campus, December 18-20, India.
9. **Shampa Sen**, Venkata V.Dasu and Bisnupada Mandal. (2008). Potential application of alkaline protease from *Bacillus pseudofirmus* SVB1 for removal of pathogens from sewage sludge and its solubilisation. International Congress of Environmental Research (ICER-2008). December 18-20, Goa, INDIA.
10. **Shampa Sen**, Venkata V.Dasu and Bisnupada Mandal (2008) The efficiency of crude alkaline protease from newly isolated *Bacillus pseudofirmus* SVB1 in removing protein residues from model solid (mica) surface. International congress on Bioprocesses in Food Industries & 5th BRSI Convention of the Biotech Research Society, November 6-8, Hyderabad, INDIA.

11. **Shampa Sen**, Dasu, Venkata V.Dasu and Bisnupada Mandal (2008) Ecofriendly applications of alkaline protease from newly isolated *Bacillus pseudofirmus* SVB1. ChEmference-08, July 5-6, 2008, Kanpur, INDIA.
12. **Shampa Sen**, Venkata V.Dasu and Bisnupada Mandal (2007). Studies on Effect of Fermentation Medium Components on Production of Alkaline Protease from Tannery Waste Soil Isolate. Paper to be presented in The Indian Chemical Engineering Congress (CHEMCON-2007), Dec 27-31, Kolkata, INDIA.
13. **Shampa Sen**, Venkata V.Dasu and Bisnupada Mandal (2007). Screening of medium components for alkaline protease production from a newly isolated microorganism using Plackett-Burman experimental design. The International Conference on New Horizons in Biotechnology (NHBT-2007), Nov 26-29, Trivandrum, INDIA.
14. **Naresh K. Sahoo**, Kanan Pakshirajan, Pranab K. Ghosh (2007) Evaluation of actinomycetes and bacteria isolated from soil samples in biodegradation of chlorophenols (Poster). 48th Annual conference of AMI, Organized by Department of Biotechnology of Indian Institute of Technology Madras, Chennai, 18-21 December 2007.
15. **Deepmoni Deka**, Sangeeta Bharali, Mohammad Jawed, C.M.G.A. Fontes and Arun Goyal (2006) Molecular cloning, expression and characterization of a bifunctional cellulase from *Clostridium thermocellum*. "75th Annual Meeting of Society of Biological Chemists of India (SBCI)", December 8-11, 2006, Jawahar Lal Nehru University, New Delhi, India, pp 42-43.
16. **Shampa Sen**, Venkata V.Dasu and Bisnupada Mandal (2006) Studies on effect of physical process parameters on production of alkaline protease from tannery waste soil isolate. The Indian Chemical Engineering Congress (CHEMCON-2006), Dec 27-31, Gujarat, INDIA.