

Thesis related publications

(till May 2010)

- Sur S, A Sen & AK Bothra (2010). "Symbiotic nitrogen fixation- a bioinformatics perspective". *'Biotechnology'* DOI=biotech.0000.19779.19779
- Sen A, S Sur, LS Tisa, AK Bothra, S Thakur & UK Mondal (2010) "Homology modeling of the *Frankia* nitrogenase iron protein". *'Symbiosis'* 50:37-44. DOI=10.1007/s13199-009-0035-9
- Sur S, B Bajwa, M Bajwa, B Bashistha, AK Bothra & A Sen (2009). "Investigation of codon and amino-acid usages in a *Rhizobium* phage". *'NBU Journal of Plant Sciences'* 3: 49-51.
- Sur S, AK Bothra, M Bajwa, LS Tisa & A Sen (2008). "*InSilico* analyses of *Chlorobium* genomes divulge insights into the subsistence of the bacteria". *'Research Journal of Microbiology'* 3 (10): 600-613.
- Sur S, M Bhattacharya, AK Bothra, LS Tisa & A Sen (2008). "Bioinformatic analysis of codon usage patterns in a free living diazotroph, *Azotobacter vinelandii*". *'Biotechnology'* 7:242-249.
- Sen A, S Sur, AK Bothra, DR Benson, P Normand & LS Tisa (2008) "The implication of life style of codon usage patterns and predicted highly expressed genes for three *Frankia* genomes". "*Antonie van Leewenhoek International Journal of General and Molecular Microbiology*" DOI 10.1007/S10482-007-9211-1. 93: 335-346.
- Bajwa B, M Gill, S Sur, AK Bothra & A Sen (2008). "Molecular Systematics of *Frankia*-Actinorhizal Symbiosis". In *Microbial Biotechnology*, Ed. R. Salkia, 377-405 New India Publishing Agency.
- Ghosh MK, S Sur & A Sen (2007). "Nitrogen fixation in various microorganisms with special reference to *Frankia*". In *Rhizosphere Biotechnology: Plant Growth-Retrospect and Prospect*, Ed. A.K. Roy, 167-182 Scientific Publishers.
- Sur S, A Sen & AK Bothra (2007) "Codon usage analysis of some archaeal (methanogenic) nitrogen fixing genes: relationship to gene expression and biasness". *'Bioinformatics Trends'*. 2: 47-60.
- Sur S, A Sen & AK Bothra (2006) "Codon usage profiling and analysis of intergenic association of *Frankia* EuIK1 *nif* genes". *'Indian Journal of Microbiology'*. 46 (4): 363-369.
- Sur S, A Pal, AK Bothra & A Sen (2005) "Moderate codon bias attributed to translational selection in nitrogen fixing genes of *Bradyrhizobium japonicum* USDA110". *'Bioinformatics India'*. 3(2): 59-64.