Department of Microbiology

St Francis College for Women

Papers Published/Presented:

- **Dr. M.Shailaja Raj published a paper titled "Periplasmically located alpha santonin binding protein in *Sphingomonas paucimobilis* strain SATCC 43388" in Indian Journal of Microbiology, Springer International Publication, December Issue,2007,Vol 47 No.4 page 358-363.**
- **Dr. M. Shailaja Raj, Sunitha D "Biofertilizers International journal of Biological sciences and Engineering, 2011.**
- **Dr .M. Shailaja Raj, Roselin.P Gayathri .Y "Nanotechnology in public health "International journal of Biological sciences and Engineering, 2011. (In press).**
- **Dr .M. Shailaja Raj, Roselin.P "Biowaste as substrate for Ethanol production" International journal of Biological sciences and Engineering, 2011. (In press).**
- **Anitha Thomas, Roselin. P, Gayathri.Y, Dr. M. Shailaja Raj " Gender specific implications of climate change" Environmental Science, an Indian Journal, 2011.(in press)**
- **Annapoorna, Dr. Supriya Sarkar, Dr. M. Shailaja Raj "Impact of climate change on Biodiversity of Microorganisms" Research and Reviews in Bioscience, 2011. (in press)**
- **Anitha Thomas, Sudha Reddy. P have communicated a paper titled "Tissue culture studies in banana, *Musa paradisiaca"* Biotechnology, an Indian journal, 2011.**
- **Gayathri.Y, Dr. Supriya Sarkar "Studies on media reutilization and media optimization" Biotechnology, an Indian journal, 2011. (in Press)**
- **Dr .M. Shailaja Raj, Roselin.P have communicated a paper titled "Antibacterial activity of ZnO nanoparticles against *Propionibacterium acnes*" Biomaterials 2011**
- **Supriya Sarkar, S.Girisham and S.M.Reddy.Host –pathogen interaction in relation to four varieties of banana (*Musa paradisiaca* L.) Proc. National Academy of Sciences. India.80: 56-59. 2010.**
- **Supriya Sarkar, S.Girisham and S.M.Reddy. Incidence of toxigenic fungi in rotting fruits of banana. An Indian journal of Biotechnology.5 (1), pp: 1-4, 2011.**
- **Supriya Sarkar, S.Girisham and S.M.Reddy. Influence of Temperature and relative humidity on the development of post-harvest rot of banana Proc. National Academy of Science letters. India (In press)**

- **Supriya Sarkar, S.Girisham and S.M.Reddy. Studies on oxidative enzymes (polyphenol oxidase & peroxidase) in four varieties of banana under the pathogenesis of three fruit-rot fungi. Indian Phytopathology (In press)**
- **Supriya Sarkar, S.Girisham and S.M.Reddy. Cellulase activity in four varieties of banana fruits infected with three pathogenic fungi: Effect of different synthetic media on cellulase production. Journal of Recent Advances in Applied Sciences (An international Journal) 6, pp: 13-18, 2011.**
- **Supriya Sarkar, S.Girisham and S.M.Reddy. Production of Lipase by three fruit-rot fungi of banana on different synthetic media. International Journal of Biological Sciences & Engineering.Vol: 1, pp: 107-110, 2011.**
- **Supriya Sarkar, S.Girisham and S.M.Reddy. Identification of three fruit-rot fungi of banana by 28S ribosomal DNA sequencing. Journal of plant pathology.**
- **Supriya Sarkar, S.Girisham and S.M.Reddy. Efficacy of plant extracts and bioagents against three fruit-rot fungi of banana *(Musa paradisiaca* L.) Journal of Plant Disease Science (Communicated, ^{9th} July).**