

JAIN UNIVERSITY

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In-House Symposium

CPGS, 18/3, 9th main, Jayanagar 3rd Block, Bangaluru

Date/Day: 3rd August, 2011 (Wednesday)

Venue: CGPS

09:00 - 09:03 'Welcome' by Srividya Shivakumar (Convenor: Life Sciences)

09:03 - 09:05 Invocation by Priya

09:05 - 09:20 'Opening Remarks' by Sudha Deshmukh (Director, PG Studies, Dean Sciences)

Session – I Industrial Applications of Biology (Chair: S.B. Sullia)

09:20 – 09:40 'Production, Purification, characterization and kinetic studies of a novel Poly (β) hydroxybutyrate (PHB) depolymerase PHAZ_{Pen} from *Penicillium expansum*'. **Srividya Shivakumar**

09:40– 10:00 Reactive Red 120 dye degradation by free and immobilized cells of *Pseudomonas aeruginosa*' **Usha M. S.**

10:00-10:20 'Response surface methodology as a tool for optimization of β -glucosidase production using tamarind seed powder as substrate'. **Rashmi R** and Siddalinga Murthy K R.

10:20-10:40 An expeditious, bidirectional synthesis of furofuranones: a new application of Morita-Baylis-Hillman adducts. **Suresh Kumara T.H.**

10-40-11.00 Tea/Coffee

Session – II Plant Biotechnology (Chair: Shivakumar Swamy)

11:00-11:20 Antioxidant and antiglycation potential of *Costus pictus*. **Mala Majumdar**

11:20-11:40 Identification and Characterization of Newly Isolated Strains of *Pseudomonas* spp. from the Rhizosphere of Marigold Plant. **Kumudini Belur Satyan**

Session- III Health Sciences (Chair: Leela Iyengar)

- 11:40-12:00** Antiproliferative effects of selected vegetable plants. **Varalakshmi KN**
- 12:00-12:20** Molecular modeling of neuraminidase (NA) of Influenza virus -2009 and its mutants and docking of herbal based anti-viral compounds
Ramesh K V and Sudha Deshmukh,
- 12:20-12.40** The role of antioxidants in attenuating oxidative stress in erythrocytes of rats exposed to intermittent hypobaric hypoxia. **Vani R.**
- 12.40:13:15** **Lunch**

Session IV Current Research In Physics at CPGS (Chair: C. Raghavendra Rao)

- 13:15-13:35** Phase symmetry and measurement of molecular parameters of oriented solutes - Effect of biaxiality. **H.S. Vinay Deepak**
- 13:35-13:55** Fabrication of low energy DC accelerator - **A.T.Seshadri**
- 13:55-14:15** Study of Bubble Nebula using IUE high resolution spectra. **M.Y.Anand,** Jayant Murthy and B.A.Kagali.
- 14:15-14:35** Elucidation of bioorganic molecular structure by X-ray technique. **K.T. Vasudevan**
- 14:35-14.55** Meson Production in Hadron Collisions **G. Ramachandran**
- 14:55-15:25** **‘Valedictory Talk’ by P.C. Deshmukh**
on ‘Population Dynamics of Biological species’
- 15.25-15.30** **Vote of Thanks by M.Y. Anand (Convenor: Physical Sciences)**