

BIOTECHNOLOGY ENGINEERING

Achievements during ODD Semester 2012

Department Activities

- Inauguration of BEATS association activities of the year and Industry – Academia Interaction by Mr. George Paul from Synthetite Industries LTD, Kolenchery, Kerala on 28th July 2012.
- Industry Academia interaction by Mr. Mr.Faizal Synudhin, Ms.Sumi, Dr.V.I.Bishor from UBIO, Biotechnology Incubation Centre, KINFRA Park on 9th August 2012.
- The students were given an awareness programme on Research Opportunities for Biotechnology students on the topic 'Platelets and Thrombosis' by Mr. Manoj Kumar Valiyaveetil, Walter Reed Army Institute of Research, Washington DC on 13th August, 2012
- The dept conducted an alumni interaction and was inaugurated by Mr. Vicky Varghese from IIT, Chennai on 14th August, 2012
- S7 BT students went on an industrial visit to Synthetite Industries LTD, Kolenchery on 5th Sep 2012 and was addressed by Mr. Vineeth Mathew, HR Manager
- As part of the Engineer's Day celebration on 16th September 2012, Biotechnology students were encouraged to put forward their research ideas.
- Conducted exhibition of projects done by 5th semester students and Best Projects were awarded with cash prize. The project was titled 'Production of Electricity from urine' guided by Ms. Megha.

Staff Achievements

- **Rahna. K. Rathnan**, Sangeetha Gopal, Mariya Thomas, Seby Antony, Celine Thomas and **Ambili Mechoor (2012)** published their paper Effective utilization of an aquatic weed *Salvinia Molesta* as a substart for the production of Cellulase Enzyme –Eradication through utilization in *International Journal of Environmental Sciences*. 3(1): 36-43.
- **Rahna K. Rathnan**, Francis Jose, Irene Pius, Lamia Sathar, Nihil Jimmy, Shwetha Sasidharan and **Ambili Mechoor (2012)** published their paper Comparative Study of Antimicrobial Activity of Leaves and Callus Extract of *Ipomea turpethum* against Antibiotic Resistance Pathogenic Microorganisms in *Research J. Pharm. and Tech*. 5(6): 805-808.
- **Megha P.M** published her paper Efficiency of phytase in degrading phytin in SCET journal of Science and Technology Vol.1 No(1): 2012-32-34.

- **Praveena.P** and Chinnaswamy P. A published their paper study on effect of oral administration of various extracts of unripe *Carica papaya* L. on hormonal stability during pregnancy in Swiss albino mice. Asian Jr.of Microbiol in Biotech. Env.Sc.Vol.14, No.(1):2012:1110-114.
- **Amitha Joy** and Md. Afroz Alam (2012) published their paper Quantitative structure activity relationship (QSAR) of cardiac glycosides: the development of predictive *in vitro* cytotoxic activity model Der Pharmacia Lettre, 1246-1269
- **Rahna K Rathnan, Ambili Mechoor** (2012) published their paper Nucleic acid amplification technologies for Real-time and Simultaneous detection of Chikungunya and Dengue virus of Clinical importance in SCET journal of Science and Technology Vol.1 No(1): 2012-1-6.

Student Achievements

- **Dr.Satheesh John memorial Award of Rs.60,000/-and merit certificate in Manorama Yuva Mastermind 2012** Project - “Bioreactor For The Complete Decolorisation Of Textile Dye Effluents” won by the team of students comprising of MsAnju P Anto, MsChaithra K V, Ms Mary Ros Joy, Ms Neethu Varghese, Ms.Nikitha Balakrishnan and guided by Ms. MEGHA PM
- **First prize of Rs.1 lakh and merit certificate in Techtop 2012** Project - “Bioreactor For The Complete Decolorisation Of Textile Dye Effluents.” won by the team of students comprising of MsAnju P Anto, MsChaithra K V, Ms Mary Ros Joy, Ms Neethu Varghese Ms.Nikitha Balakrishnan guided by Ms. MEGHA PM
- 1st Prize- poster presentation- High Throughput technologies in Bioinformatics, Karunya University” won by the team of students comprising of Mr.Jubil.C.A, Ms.Syama.P.S , Ms.Rohini Menon guided by Ms. AMITHA JOY
- KSCSTE Project grant of Rs.10,000/- ” won by the team of students comprising of Mr.Arjun , Ms.Neenu Mr.Rothish , Ms.Gopika guided by Ms. MEGHA PM
- KSCSTE Project grant of Rs.10,000/- ” won by the team of students comprising of Ms.Celine Thomas, Ms.Sangeetha, Ms.Maria , Mr.Seby guided by Ms. RAHANA RATHNAN
- 43rd All India Student Design Competition – 2012- National Design and Research Forum, the Institution of Engineers (India) has selected Mr Seby Antony for awarding SILVER MEDAL IN Chemical Engineering Category for the Design project Bioconversion of ligno cellulosic waste guided by Ms. RAHANA RATHNAN
- A group of students comprising of Arjun, Neenu, Rothish, Gopika under the guidance of Ms. Megha got selected for the final round of Manorama Yuva competition 2012 for the project titled ‘ Electricity from Urine’ and received a project grant of Rs. 10,000/-