

5. CONFERENCES/WORKSHOPS/SEMINAR ATTENDED/PAPERS PRESENTED

i) National:

1. Daboialectin, A Snake From Russell's Viper Venom Induces Cyto-Skeletal Changes Leading to Apoptosis Of Lung-Carcinoma Cells in vitro at the National Symposium on SnakeBite to be held from 16-17th December, 2019 at University of Mysore.
2. Rehan Deshmukh, Sunil Bhand and Utpal Roy (2019) 'A novel molecular quantitative method for sensitive detection of *Escherichia coli* from roof-harvested rainwater', 5th International Conference on Translational Research: "Recent Trends in Pre-translational to Translational Research" held from 07th-09th November 2019 at the National Centre for Cell Science, Pune, India.
3. Kundan Kumar, Rakesh Manuka and Suhas B Karle. Rice With No Lysine Kinase: Genome-wide analysis and characterization in abiotic stress. National Conference on Integrative Plant Biochemistry and Biotechnology (08-09 November 2019)
4. Nilesh L Dahibhate and Kundan Kumar. Polyphenolic analysis, in vitro antimicrobial and antioxidant activity of selected mangrove species from west coast India. 88th Annual Meeting of Society of Biological Chemists (SBCI 2019) (31 Oct-03 November 2019).
5. Presented a poster entitled Studies on the gene regulation involved in the lytic-lysogenic switch in *Staphylococcus aureus* temperate bacteriophage Phi11 in 43rd Indian Biophysical Society Meeting (15-17 March 2019) held in IISER Kolkata.
6. Sneha Bhadouriya, Sandhya Mehrotra and Rajesh Mehrotra, Patterns and evolution of CCGAC & CATGTG repeat *cis*-elements landscape across four plant genomes. In 43rd Indian Biophysical Society meeting: molecules to systems, IISER, Kolkatta, 15th-17th March 2019
7. Professor Vijayashree Nayak chaired an International conference on Biomaterial – based Therapeutic Engineering and Regenerative Medicine 28th Nov – 01th December 2019 – IIT Kanpur , India ..

ii) International:

1. International Conference presentation: Key note speaker Gautma Krishnan "A functional model for predicting *in vitro* chaperone activity of *M. tbAcr*" at 3rd International Conference of Clinical Microbiology - May 1st - 2nd, 2019, Kyoto, Japan
2. Professor Srikanth Mutnuri Chaired the Session: Innovative Treatment Technologies & Applications - Control and applications of biological processes and Poster Presentation "Single household greywater recycling using Constructed wetland in developing countries" at 12th IWA International Conference on Water Reclamation and Reuse, being held on June 16 -20, 2019 in Berlin, Germany
3. Professor Veeky Baths presented a paper title "*Study of Motor imagery based Multiclass BCI with special focus in same limb movement*" at the 18th IEEE International Conference on cognitive Informatics & Cognitive Computing (IEEE

ICCI*CC 2019) between the 23rd and 25th July 2019 at campus *Leonardo* of *Politenico di Milano University, Milano, Italy* (Which is also publication)

7. SEMINAR/ WORKSHOP/CONFERENCE CONDUCTED IN THE DEPARTMENT

1. Malabika Biswas - The course director for BITS BIRAC BioNEST Workshop on Basic Molecular Biology Laboratory Tools and Techniques.
2. Professor Veeky Baths as Convener Organized the third annual Conference for the Association for Reading and Writing in Asia (ARWA 2019) between the 28th February and 1st March 2019.
3. Hackathon titled Open CBR Hack – A Design Thinking Hackathon and Workshop on Collaborative Innovation in Community-Based Rehabilitation was organized jointly by Professor Veeky Baths of BITS, PILANI -K.K. Birla Goa Campus and Professor Samit Chakrabarty of the University of Leeds between the 15th March 2019 to 17th March 2019.
4. Professor Veeky baths as the Convener Organized the Sixth Annual Conference of Cognitive Sciences, (ACCS 2019) between the 10th and 12th December 2019.

8. INVITED TALKS GIVEN BY BITS FACULTY

1. 2019 International Conference on Graphane and Novel Nanomaterials. July 8th -11th, 2019, Bangkok, Thailand, 'The story of escaping the zone of stresses of human alveolar cells due to exposure to metal oxide nanoparticles and involvement of a few key players'. Professor. Angshuman Sarkar.
2. Seminar on Novel Vistas in Plant Sciences (25th January, 2019), organized by Botany Department, Goa University, Goa. (Professor. Kundan Kumar)
3. Professor Veeky Baths was invited for a research visit to the Cultural Brain group at the Max Planck Institute of Psycholinguistics, Nijmegen, Netherlands between the 28th June and 15th July 2019.
4. Professor Veeky Baths was invited to give a talk titled “Using EEG and Graph theory to decipher consumer choice and consumer behavior” at the University of Ghent on the 8th of July 2019
5. Professor Veeky Baths was invited to give a talk titled “Consumer Neuroscience” at the ‘Cognitive Science in Education: Capacity Building for Teacher Education’ University of Hyderabad,
6. “Transformation and Expression of a Na⁺-dependent high affinity bicarbonate transporter, SbtA in *Nicotiana chloroplasts*” Invited talk by Sandhya Mehrotra in the 3rd world plant genomics and Plant Science Conference” July 15-17, 2019, Osaka, Japan
7. Professor Rajesh Mehrotra delivered a talk on How to design smart question paper in 3rd National Teacher’s congress, 3rd Jan -6th Jan 2019, Pune.
8. Professor Rajesh Mehrotra delivered a talk in IIIE Goa chapter on the topic Green revolution on 28th January 2019 in Goa college of Engineering.
9. Professor Rajesh Mehrotra delivered a talk in 9th Seed congress on February 19th - 21st, 2019. The title of the talk was Seed storage protein gene regulation a jigsaw puzzle.
10. Professor Rajesh Mehrotra delivered a plenary talk entitled ACGT element and its role in stress tolerance at Saurashtra university on 26th February, 2019.
11. Professor Rajesh Mehrotra delivered a talk entitled Chromatin architecture in different stress responses at department of Molecular Plant Science, on 26th June University of Edinburgh, UK.
12. Professor Rajesh Mehrotra delivered an invited talk in International conference on Genomics and breeding for crop improvement on 4th -6th Dec 2019. The title of the talk was ACGT cis regulatory elements in plant gene expression: A comparative Genomics Perspectives
13. Professor Vijayashree Nayak delivered an invited talk in International conference on Biomaterial – based Therapeutic Engineering and Regenerative Medicine 28th Nov – 01st December 2019 – IIT Kanpur, India. The title of the talk was One Pot Synthesis of Pegylated Doxorubicin Loaded Silver Nanoparticles Against Oral Cancer as Drug Delivery System.
14. Professor Meenal Kowshik delivered an invited Talk on “Nanobiotechnology: Prospects and Applications in Medicine” at Krishna Institute of Medical Sciences, Karad, Maharashtra on 31st Aug 2019.

15. Professor Meenal Kowshik delivered an invited talk on “Biotechnological Applications of nanoparticles” at Department of Biotechnology, Goa University, as part of Science Day celebrations on 6th March 2019.
16. Professor Meenal Kowshik invited as a resource person during the Refresher Course in Life Sciences organized by UGC-Human Resource Development Centre, Goa University from 13th November to 6th December, 2019.
17. Professor Judith M. Braganca delivered 2 lectures entitled “Role of Archaea in Heavy Metal Bioremediation” and “Emerging Technologies in Microbial Bioremediation” at the National Seminar on “Microbial Bioremediation”; held at St. Xavier’s College of Arts and Science, Mapuca, Goa on 27th and 28th February 2019.
18. Professor Judith M. Braganca delivered 2 lectures entitled “Recent Advances in Haloarcheal Research” and “Microbial Polyhydroxyalkanoates as a Biomaterial in tissue engineering” at Refresher Course in Life Sciences for College/University Teachers on 21 st November, 2019 at the UGC-Human Resource Development Centre, Goa University.
19. Professor Judith M. Braganca was the Judge for Oral Presentations at the National Conference on “Frontiers in Biopesticides and Biofertilizers”; on 6 th December, 2019 at the Department of Microbiology of P.E.S.’s R.S.N. College of Arts and Science, Farmagudi, Ponda in collaboration with Directorate of Higher Education, Government of Goa.
20. Professor. Judith M. Braganca is on the Editorial Board of the journal Frontiers in Microbiology as a Review Editor for Extreme Microbiology.
21. Professor Srikanth Mutnuri Invited has a speaker to our 16th World Conference on Anaerobic Digestion (AD-16) to be held in Delft, the Netherlands, between June 23-27, 2019

9. INVITED TALKS/DISTINGUISHED LECTURES ARRANGED BY THE DEPARTMENT

1. Prof BJ Rao. Prof Rao delivered a guest lecture on "Why Science-Why Biology? & "Nucleolar switch & Tissue homeostasis that control cellular life-death decisions"., 10 th October 2019.
2. Dr. Jagadeesh Bayry, Director of Research, Institut National de la Santé et de la Recherche Médicale (INSERM), Sorbonne University, PARIS, FRANCE. delivered a guest lecture on "Immune homeostasis by regulatory T cells and circulating immunoglobulins", 31st July 2019
3. Dr. Michel Torrijos, Research Engineer, Technology Development and Innovation, Laboratory of Environmental Biotechnology from INRA, Narbonne, France delivered a guest lecture on "Technology transfer at INRA-LBE and socio-economic analysis of its impacts". 16th May 2019
4. Dr. K Kemparaju, Dept of Biochemistry, University of Mysore will delivered a a guest lecture on " Insights towards the mechanism of Echis carinatus venom-induced sustained tissue necrosis; an emphasis on NETosis". 15 th May, 2019
5. Prof Santanu Kumar Ghosh, Dept. of Biosciences and Bioengineering, Indian Institute of Technology, Bombay. will delivered a a guest lecture on : "A prion-like property of p53". 09th April, 2019
6. Prof. Dirk Weichgrebe, Division Head of Waste Management at ISAH Institut fur Sanitary Engineering and Waste Management, Leibnitz University Hannover will delivered a a guest lecture on "German approach in biogas technology (with focus on straw digestion by mimicking ruminants gastrointestinal tract)" 19th February 2019
7. Prof Ulo Mander, Head of Chair, Professor of Physical Geography and Landscape Ecology , University of Tartu, Estonia will delivered a a guest lecture on "Constructed wetland for treating polluted runoff from agricultural catchments" 6th Feb 2019.
8. Prof Ulo Mander, Head of Chair, Professor of Physical Geography and Landscape Ecology , University of Tartu, Estonia will delivered a a guest lecture on "Microbial Electrolysis Cell technology to enhance denitrification in constructed wetlands". 7th Feb 2019.
9. Prof Ulo Mander, Head of Chair, Professor of Physical Geography and Landscape Ecology , University of Tartu, Estonia will delivered a a guest lecture on "Beyond Paris Agreement - do natural sources of greenhouse gases accelerate global warming?". 8th Feb 2019.
10. Professor Kala Vairavamoorthy, Executive Director of the International Water Association, The Hague, Netherlands will delivered a a guest lecture on "International Water Association and its activities". 10th January 2019
11. Prof. Pradeep Parrack, Scientist from Bose Institute will delivered a a guest lecture on "The function of the E.coli HflX" 5th January 2019

