

CONFERENCE SCHEDULE

25th September 2018, Tuesday

0900 – 1700

Pre-Conference Workshops:

Workshop-1 by PhiXGen Pvt. Ltd
Workshop-2 by Agilent Technologies

[KSBT Auditorium]
[KIIT-TBI]

26th September 2018, Wednesday

Venue: Campus-11, Auditorium, KIIT (Deemed University)

0830 – 1000

Registration

1000 – 1030

Inaugural Session

SCIENTIFIC SESSIONS

I. Plenary Session

1030 – 1100

Keynote Speaker

Prof. Rup Lal, University of Delhi

“The Microbiome: Its Impact on Environment, Human Health and Society”

1100 – 1130

Keynote Speaker

Dr. Bente Føreid, Norwegian Institute of Bioeconomy Research

“Bio-gas digestate as fertilizer and its environmental impacts”

1130 – 1150

Tea Break

II. Technical Sessions

Technical Session I : Agricultural Biotechnology

“Sustainable Agriculture Biotechnology for shaping global health & environment”

Chair: Prof. Tapan K. Adhya, School of Biotechnology, KIIT

Co-Chair: Dr. Gopal Chowdhary, School of Biotechnology, KIIT

(1150 – 1310)

1150 – 1210

Dr. Ajay Parida, Institute of Life Sciences, Bhubaneswar

“Food, Health and Nutrition Disconnect”

- 1210 – 1230 **Prof. Sanjib Kumar Panda**, Assam University
“Molecular understanding of Aluminum (Al) stress tolerance in Plants”
- 1230 – 1250 **Dr. Giridhar Kumar Surabhi**, Regional Plant Research Centre (RPRC), Bhubaneswar
“Exploring in-built salt stress tolerance mechanism in plants: a proteome approach”
- 1250 – 1310 **Dr. Mrunmay Giri**, School of Biotechnology, KIIT
“Z-Box Binding Factors (ZBFs): A key transcription factor class, regulates seedling development and disease defense in Arabidopsis”
- 1310 – 1400 Lunch

Technical Session II : Meta-Omics

“Unravelling microbial diversity for innovations in Health and Environment: Genomics, Proteomics and Metagenomics”

Chair: Dr. Hemant J Purohit, NEERI, Nagpur

Co-Chair: Dr. Birendranath Banerjee, School of Biotechnology, KIIT
(1400 – 1640)

- 1400 – 1420 **Dr. Hemant J Purohit**, NEERI, Nagpur
“Optimizing anaerobic bioreactor performance using metagenomic approach”
- 1420 – 1440 **Dr. Belle Damodara Shenoy**, CSIR-NIO
“What’s in a name? Lessons learnt from the taxonomy of fungal genus Colletotrichum”
- 1440 – 1500 **Prof. Pratyosh Shukla**, Maharshi Dayanand University
“Systems biology and metabolic engineering approaches for engineering microbes”
- 1500 – 1520 **Dr. Punyasloke Bhadury**, IISER Kolkata
“Biogeochemistry of arsenic cycling in the Bengal Delta Plains-looking through microbial landscape”
- 1520 – 1540 **Dr. Gurdeep Rastogi**, WRTC, Chilika Development Authority
“Spatiotemporal variation in sediment bacterial communities of Chilika lagoon”

- 1540 – 1600 **Dr. Subrat K. Das**, Institute of Life Sciences, Bhubaneswar
“Microbial Genomics towards Translational Research”
- 1600 – 1620 **Dr. Om Prakash**, National Centre for Cell Sciences, Pune
“Assessment of Protein Extraction Methods for Gut-Proteomics”
- 1620 – 1640 **Dr. Ram Krishan Negi**, University of Delhi
“Insights into the Fish Gut Microbiome”
- 1640 – 1700 Tea Break

POSTER SESSION (PS)

1700 – 1830 ; *Poster Exhibition Area*

*** INSCR Board Meeting**

1700 – 1800 ; *KIIT-TBI Meeting Room*

- 1845 – 2000 Cultural Program
- 2000 – 2200 Dinner

27th September 2018, Thursday

Venue: Campus-11, Auditorium, KIIT (Deemed University)

Technical Session III : Environmental Biotechnology

“Emerging microbial technologies for sustainable environmental resources management”

Chair: Prof. Rup Lal, University of Delhi

Co-Chair: Dr. Vishakha Raina, School of Biotechnology, KIIT
(0900 – 1120)

- 0900 – 0920 **Dr. Prashant Phale**, Indian Institute of Technology-Bombay
“The Evolution of Compartmentalized Carbaryl Degradation Pathway in Pseudomonas sp. strain C5pp.”
- 0920 – 0940 **Dr. Prashant Dhakephalkar**, Agharkar Research Institute
“Genomic and enzymatic insights into enhanced biomethanation of rice straw without thermo chemical pretreatment”

- 0940 – 1000 **Prof. Mallikarjun Shakarad**, University of Delhi
“Genomic heterogeneity and distinctive plant growth promoting potential of Pseudomonas fluorescens PsChi uncovered by comparative genomics study”
- 1000 – 1020 **Dr. Natesan Manickam**, CSIR-IITR
- 1020 – 1040 **Dr. Sanjukta Subudhi**, The Energy and Resources Institute
“Advanced biofuel production: Moving towards use of 2nd and 3rd generation feedstock for sustainable management of Environment”
- 1040 – 1100 **Dr. Surajit Das**, National Institute of Technology, Rourkela
“An insight into bacterial biofilm mediated bioremediation of Polycyclic Aromatic Hydrocarbons”
- 1100 – 1120 **Prof. Tanu Jindal**,
Amity Institute for Environmental Toxicology, Safety And Management (AIETSM)
“Bacterial and Fungal Community of Antarctica with Diverse Biotechnological Applications”
- 1120 – 1145 Tea Break

Technical Session IV : Disease Biology

“Role of Translational Innovations in deciphering disease mechanisms: Therapeutics, Detection & Control”

Chair: Prof. Yogendra Singh, University of Delhi

Co-Chair: Dr. Naresh Chandra Bal, School of Biotechnology, KIIT

(1145 – 1305)

- 1145 – 1205 **Prof. Yogendra Singh**, University of Delhi
“Development of Recombinant Anthrax Vaccine”
- 1205 – 1225 **Dr. Sunil Raghav**, Institute of Life Sciences, Bhubaneswar
“NCoR1 regulates the molecular axis for Mycobacterium infection in myeloid cells through autophagic flux”
- 1225 – 1245 **Dr. Chandan Goswami**, NISER Bhubaneswar
“Molecular basis of TRPV ion channel induced genetic disorders”

1245 – 1305 **Dr. Anshuman Dixit**, ILS, Bhubaneswar
“Identification of stage-wise miRNA signature as potential biomarker in Head and Neck Squamous Cell”

1305 – 1340 Lunch

Technical Session V : Nanotechnology

“Nanotechnology & Material Science for impacting solutions for Health and Environment”

Chair: Dr. V. V. Raghavendra Sai, IIT Madras

Co-Chair: Dr. Dindyal Mandal, School of Biotechnology, KIIT

(1340 – 1500)

1340 – 1400 **Dr. Nabin Kumar Dhal**, CSIR-IMMT
“Bioremediation: a green technology for remediation of environmental contaminants”

1400 – 1420 **Dr. Mamata Mohapatra**, CSIR-IMMT
“Challenges and opportunity in analysis of inorganic toxins”

1420 – 1440 **Dr. V. V. Raghavendra Sai**, IIT Madras
“Fiberoptic absorbance biosensor as a biomolecular interaction tool”

1440 – 1500 **Dr. Priti Sundar Mohanty**, School of Biotechnology, KIIT
“Self-and Directed-Assembly - from Living Cells to Responsive Materials”

Young Scientists Colloquium I

(in Parallel with Session IV)

Venue: Conference Room 1 & 2, Campus-11, Auditorium, KIIT (Deemed University)

(1100 – 1200)

Conference Room 1 : Chair: Dr. Bhawna Gupta, School of Biotech, KIIT
Dr. Archana Ghatak, School of Biotech, KIIT

Conference Room 2 : Chair: Dr. Snehasish Mishra, School of Biotech, KIIT
Dr. K. Sony Reddy, School of Biotech, KIIT

Conference Room 1

Conference Room 2

1100 – 1110 **Mr. Sourav Das**
School of Biotechnology, KIIT

Ms. Sonali Mohapatra
CET, Bhubaneswar

1110 – 1120 **Mr. Vipin Gupta**
University of Delhi

Ms. Madhusmita Mohapatra
WRTC, CDA, Govt. of Odisha

1120 – 1130	Ms. Pratiksha Behera WRTC, CDA, Govt. of Odisha	Mr. Utkash Sood University of Delhi
1130 – 1140	Ms. Princy Hira University of Delhi	Ms. Archana Tripathy School of Biotechnology, KIIT
1140 – 1150	Ms. Shweta Khanna School of Biotechnology, KIIT	Dr. Helianthous Verma University of Delhi
1150 – 1200	Dr. Charu Dogra Rawat Ramjas College, University of Delhi	Dr. Chinmayee Choudhury AIIMS, Jodhpur

Young Scientists Colloquium II

(in Parallel with Session V)

*Venue: Conference Room 1 & 2, Campus-11, Auditorium, KIIT (Deemed University)
(1330 – 1430)*

Conference Room 1 :	Chair:	Dr. Srinivas Patnaik, School of Biotech, KIIT Dr. Niladri Ganguly, School of Biotech, KIIT
Conference Room 2 :	Chair:	Dr. Luna Goswami, School of Biotech, KIIT Dr. Satyabrata Si, School of Biotech, KIIT

	Conference Room 1	Conference Room 2
1330 – 1340	Mr. Kunal Samantaray School of Biotechnology, KIIT	Mrs. Swagatika Panda School of Biotechnology, KIIT
1340 – 1350	Mr. Abdul Ahad ILS, Bhubaneswar	Ms. Shuchi Smita ILS, Bhubaneswar
1350 – 1400	Himani Khurana University of Delhi	Dr. Pravas Ranjan Sahoo OUAT, Bhubaneswar
1400 – 1410	Ms. Aarifa Nazmeen Oriental Institute Of Science And Technology (Vidyasagar University)	Ms. Priya Singh University of Delhi
1410 – 1420	Dr. Abhya Bajaj NCCS Pune	Dr. Swagat Kumar Das CET, Bhubaneswar
1420 – 1430	Jeky Chanwala, ILS Bhubaneswar	

II. Plenary Session

Prof. Anil K Tripathi, CSIR-CIMAP

NASI Award Lecture “A journey from PCR-RFLP of 16S rDNA to whole genome
sequences: My tryst with microbial biodiversity”

1500 – 1530

1530 – 1615

VALEDICTORY SESSION