



**National conference on  
Advances in Life Sciences and Biotechnology  
(27<sup>th</sup>-28<sup>th</sup> February, 2020)**

**LifeTech  
2020**

**TECHNICAL PROGRAMME**

**DAY 1 (27<sup>th</sup> February 2020)**

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9.00 AM- 10.30 AM	Registration
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**INAUGURAL SESSION OF LifeTech-2020 (10.30 AM – 11.30 PM)**

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10.30 AM- 10.35 AM	Lighting of the lamp and Floral tribute to Maa Rama Devi
10.35 AM-10.40 AM	Offering of Flower bouquets
10.40 AM- 10.45 AM	Welcome address by <b>Prof. Sasmita Mohanty</b> , Convener LifeTech-2020
10.45 AM-10.50 AM	Release of conference abstract book
10.50 AM-10.55 AM	Address by Chairperson, PG Council, Rama Devi Women's University
10.55 AM-11.05 AM	Address by Guest of Honour: <b>Prof. Gopal Chandra Kundu</b> , Director, R & D, KIIT University, Bhubaneswar.
11.05 AM -11.15 AM	Address by Chief Guest: <b>Prof. Gitanjali Batmanabane</b> , Director, AIIMS, Bhubaneswar
11.15 AM -11.20 AM	Presidential address by <b>Prof. Padmaja Mishra</b> (Hon'ble Vice Chancellor & Patron, LifeTech-2020)
11.20 AM -11.25 AM	Felicitation of the dignitaries
11.25 AM -11.30 AM	Vote of thanks by <b>Prof. Chandi Charan Rath</b> , Co-Convener LifeTech-2020

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**TEA BREAK (11.30 AM-11.45 AM)**

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## TECHNICAL SESSION I (11.45 AM - 1.15 PM)

**Chairman: Prof. Sampa Anupurba**

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11.45 AM-12.15 PM	Keynote Lecture I: <b>Prof. Sumita Jha, NASI Emeritus Scientist,</b> Dept. of Botany, Calcutta University, Kolkata ( <i>Topic: Cytogenetics of Indian Cucurbits</i> )
12.15 PM- 12.45 PM	Keynote Lecture II: <b>Dr. Alok Krishna Sinha, Staff Scientist F,</b> National Institute of Plant Genome Research, New Delhi ( <i>Topic: Multiple roles of OsMPK3, a mitogen activated protein kinase member in rice</i> )
12.45 PM- 1.00 PM	Young Scientist Lecture I: <b>Dr. Gopal Chowdhary, Asst. Professor</b> KIIT University, Bhubaneswar ( <i>Topic: Plant peroxisomes: a novel strategy for abiotic stress acclimatization</i> )
1.00 PM- 1.15 PM	Young Scientist Lecture II: <b>Dr. Rukmini Mishra, Asst. Professor</b> Centurion University of Technology & Management, Odisha ( <i>Topic: CRISPR/Cas9 genome editing towards crop improvement</i> )

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## LUNCH BREAK (1.15 PM-2.30 PM)

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## TECHNICAL SESSION II (2.30 PM-3.45 PM)

**Chairman: Prof. Sumita Jha**

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2.30 PM-3.00 PM	Keynote Lecture III: <b>Dr. Sampa Anupurba, Professor,</b> Banaras Hindu University, Varanasi ( <i>Topic: Molecular tools for diagnosis of tuberculosis and drug resistance</i> )
3.00 PM-3.30 PM	Keynote Lecture IV: <b>Dr. Dileep Vasudevan, Scientist</b> Institute of Life Sciences, Bhubaneswar ( <i>Topic: Structure-function studies identify a chimeric nucleoplasmin from Arabidopsis thaliana</i> )
3.30 PM -3.45 PM	Young Scientist Lecture III: <b>Dr. Saroj Kumar Das, Asst. Prof., Centre</b> for Biotechnology, Siksha O Anusandhan University ( <i>Topic: Elucidating the underlying mechanism of bisphenol A induced toxicity towards development of neurogenerative phenotypes in Zebrafish</i> )

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## HIGH TEA (3.45 PM-4.00 PM)

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### TECHNICAL SESSION III (4.00 PM-5.15 PM)

**Chairman: Prof. Chandi Charan Rath**

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| 4.00 PM- 4.30 PM | Keynote Lecture V: <b>Dr. E. Subudhi, Professor,</b><br>Centre for Biotechnology, Siksha O Anusandhan University<br>( <b>Topic:</b> <i>The curious case of Chryseobacterium gallinarum</i> )                               |
| 4.30 PM- 5.00 PM | Keynote Lecture VI: <b>Prof. K. Tayung, Professor,</b><br>Dept. of Botany, Guwahati University<br>( <b>Topic:</b> <i>Biotechnological applications of endophytic fungi in agriculture and medicine</i> )                   |
| 5.00 PM- 5.15 PM | Young Scientist Lecture IV: <b>Dr. Sanatan Majhi, Asst. Professor</b><br>Utkal University, Bhubaneswar<br>( <b>Topic:</b> <i>Molecular characterization of H9N2 Avian Influenza virus</i> )                                |
| 5.15 PM- 5.30 PM | Young Scientist Lecture V: <b>Dr. Santosh K Sahu, Asst. Prof.,</b><br>Dept. of Zoology, North Orissa University<br>( <b>Topic:</b> <i>Biological model membranes: An emerging tool in basic and applied life Science</i> ) |
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### CULTURAL PROGRAMME (5.30 PM- 6.30 PM)

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### DAY 2 (28<sup>th</sup> February 2020)

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### TECHNICAL SESSION IV (10.00 AM-11.30 AM)

**Chairman: Prof. K. Tayung**

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| 10.00 AM- 10.30 AM | Keynote Lecture VII: <b>Prof. P. K. Naik, Professor,</b><br>Dept. of Biotechnology & Bioinformatics, Sambalpur University<br>( <b>Topic:</b> <i>Noscapinoids as novel and promising tubulin-binding anticancer agents</i> )                                  |
| 10.30 AM-11.00 AM  | Keynote Lecture VIII: <b>Dr. Bijesh Biswal, Asst. Professor</b><br>National Institute of Technology, Rourkela<br>( <b>Topic:</b> <i>Plumbagin reduces proliferation and survival of non-small cell lung carcinoma irrespective of gefitinib resistance</i> ) |
| 11.00 AM- 11.30 AM | Keynote Lecture IX: <b>Dr. Chanakya Nath Kundu, Professor,</b><br>KIIT School of Biotechnology, KIIT University<br>( <b>Topic:</b> <i>A novel cell-adhesion protein Nectin-4 induced metastasis and angiogenesis in breast cancer</i> )                      |
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### TEA BREAK (11.30 AM-11.45 AM)

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## TECHNICAL SESSION V (11.40 AM-1.00 PM)

Chairman: Prof. P. K. Naik

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11.45 AM- 12.15 PM	Keynote Lecture X: <b>Dr. Debasmita Pankaj Alone, Assoc. Professor,</b> <b>National Institute of Science Education and Research,</b> <b>Bhubaneswar</b> ( <i>Topic: Novel insights into altered gene regulation underlying disease pathogenesis of Pseudoxfoliation glaucoma</i> )
12.15 PM- 12.45 PM	Keynote Lecture XI: <b>Dr. Pramod Kumar Sahoo, Scientist E,</b> <b>Central Institute of Freshwater Aquaculture, Bhubaneswar</b> ( <i>Topic: Understanding Argulus biology towards developing control measures</i> )
12.45 PM- 1.00 PM	Young Scientist Lecture VI: <b>Dr. Aliva Pattnaik, Asst. Prof.,</b> <b>School of Life Sciences, Sambalpur University</b> ( <i>Topic: Vermifiltration in the treatment of waste water</i> )
1.00 PM -1.10 PM	Young Scientist Lecture VII: <b>Dr. Swati Shree Padhi, Scientist,</b> <b>inDNA Life Sciences Pvt. Ltd., Bhubaneswar.</b> ( <i>Topic: Development of screening panels of the cut-margins for disease free survival in HNSCC patients</i> )
1.10 PM -1.20 PM	Young Scientist Lecture VIII: <b>Dr. Elssa Pandit, Res. Associate</b> <b>ICAR-NRRI, Cuttack.</b> ( <i>Topic: Development of flash-flood tolerant and durable bacterial blight resistant versions of mega rice variety 'Swarna' through marker-assisted backcross breeding</i> )
1.20 PM -1.30 PM	Young Scientist Lecture IX: <b>Dr. Biswaranjan Paital, Asst. Prof.,</b> <b>Dept. of Zoology, OUAT, Bhubaneswar.</b> ( <i>Topic: Modulation of active oxygen species metabolism, haematology, and gill histology in the climbing perch Anabas testudineus as a function of graphene oxide</i> )

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**LUNCH BREAK (1.30 PM-2.30 PM)**

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**STUDENT AWARD SESSION (Poster / Oral presentation) (2.30 PM-3.30 PM)**

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**TEA BREAK (3.30 PM-3.45 PM)**

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**VALEDICTORY SESSION & CELEBRATION OF NATIONAL SCIENCE DAY  
(3.45 PM – 5.30 PM)**

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3.45 PM- 3.50 PM	Lighting of the lamp and Floral tribute to Maa Rama Devi
3.50 PM- 3.55 PM	Offering of Flower bouquets to the dignitaries
3.55 PM- 4.00 PM	Presentation of conference report by <b>Dr. Shikha Singh</b> , Co-organizing Secretary, LifeTech-2020.
4.00 PM- 4.05 PM	Welcome address by <b>Prof. S. Mohanty</b> , Convener, LifeTech-2020 and Vice-President, Science Society
4.05 PM- 4.10 PM	Address by <b>Dr. Sarita Supkar</b> , Chairperson, PG Council, Rama Devi Women's University
4.10 PM- 5.00 PM	Presentation by Chief Guest: <b>Prof. Lalu Mansinha</b> , Professor Emeritus, University of Ontario, London, Canada.
5.00 PM- 5.05 PM	Concluding remarks by <b>Prof. Padmaja Mishra</b> , Hon'ble Vice Chancellor, Rama Devi Women's University
5.05 PM- 5.20 PM	Presentation of award for best poster and oral presentation and awards for various events organized by Science Society
5.20 PM- 5.25 PM	Felicitation of the dignitaries
5.25 PM- 5.30 PM	Vote of thanks by <b>Dr. Raj Kumar Joshi</b> , Organizing Secretary, LifeTech-2020.

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**AWARD SESSION (Oral presentation) (2.30 PM-3.05 PM)**  
**Dt. 28-02-2020**

<b>TIME</b>	<b>SPEAKER</b>	<b>TOPIC</b>
2.30 PM-2.35 PM	JATINDRA NATH MOHANTY	Cross-kingdom regulation of putative miRNAs derived from <i>Aegle marmelos</i> involved in diabetes via system biology approach
2.35 PM-2.40 PM	PADMANAV BEHERA	Stimulation of autoimmune response with multiple low doses of streptozotocin (stz) in genetically predisposed nod/ shiltj mice
2.40 PM-2.45 PM	ASHWINI BELLARY	Spray drying of papaya processing waste and its effect on physical and nutritional properties
2.45 PM-2.50 PM	BERHANU GIRMA	Investigation on a plant growth promoting and potential salt tolerant rhizobacteria isolated from Konark coast, Odisha, India
2.50 PM-2.55 PM	APARAJITA SWAIN	Study the effect of plant extract on extended spectrum beta-lactamases (esbl), metallo beta lactamase (mbl), & efflux pump positive bacteria
2.55 PM-3.00 PM	CHITA RANJAN SAHOO	Cyanobacterial bioactive compound, norharmane and derivatives as breast cancer inhibitor
3.00 PM-3.05 PM	TANDRIMA MITRA	Transcriptomic response of a catfish in a cocktail of riverine pollutants