



International Conference (Virtual Mode)  
on

## Emerging Trends in Life Sciences (ICETLS-2020)

15<sup>th</sup> - 16<sup>th</sup> Dec 2020

Organized by

Department of Botany

Telangana University

Nizamabad

Registration link

<https://forms.gle/JR7qPCwffXtB4KVL8>

### Resource persons

#### International

**Dr. Shyam Bandari**, The University of Alabama at Birmingham, AL, U.S.

**Dr. Santhosh Kumar J.U.**, Chulalongkorn University, Bangkok, Thailand

**Dr. Ajay Kumar**, Agriculture Research Organization, Volcani Centre, Israel

**Dr. Harish Handral**, National University of Singapore (NUS), Singapore

#### National

**Prof. Altaf Ahmad**, Aligarh Muslim University, Aligarh

**Dr. Irfan Ahmad Ghazi**, School of Life Sciences, University of Hyderabad

**Dr. M. Thippeswamy**, Dept. of Botany, Davangere University, Davangere

**Dr. Mohd. Akif**, School of Life Sciences, University of Hyderabad

**Dr. A. Sabitha Rani**, Osmania University

**Dr. Insaf Ahmed Qureshi**, School of Life Sciences, University of Hyderabad

**Dr. Ahmad Ali**, Dept. of Life Sciences, University of Mumbai

**Dr. G. Swathi**, Govt. Degree College, Puttur, A.P.

**Biju Dharmapalan**, CSIR-NISCAIR, New Delhi

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## Department of Botany

### Telangana University

(A State University Established under the Act No.28 of 2006, A.P.  
Recognized by UGC under 2(f) and 12 (B) of UGC Act 1956)  
Accredited 'B+' (2.61) By NAAC

Dichpally, Nizamabad-503 322, Telangana State

#### TENTATIVE PROGRAM

Day 1 (Tuesday Dec 15, 2020)

10.00-10.30 AM

#### **Inaugural Session**

Opening Address: Dr. Mahtab Bamji, Depty. Director Grade (Retd.), NIN

Overview of Conference

Address: Hon'ble Registrar, Telangana University

#### **Technical Session – I**

10.30-11.00 AM

#### **SMALL extracellular vesicles – next BIG thing**

Speaker: **Dr. Shyam Kumar Bandari**, The University of Alabama, U.S.A

11.00-11.30 AM

#### **Medicinal Plants and their Trade: How safe are raw herbal drugs?**

Speaker: **Dr. Santhosh Kumar J.U.**, Chulalongkorn University, Bangkok, Thailand

11.30-12.00 AM

#### **Development of novel multi-epitope vaccine against SARS-CoV-2 using immunoinformatics approaches**

Speaker: **Dr. Insaf Ahmed Qureshi**, Dept. of Biotechnology & Bioinformatics,  
SLS, University of Hyderabad

#### **Technical Session – II**

12.00-12.30

#### **Molecular Biology for understanding complexities of life**

Speaker: **Biju Dharmapalan**, CSIR-NISCAIR, New Delhi

12:30-13:00

#### **RT-PCR and its applications in crop plants**

Speaker: **Dr. M. Thippeswamy**, Davangere University, Davangere

13.00-13.30

#### **Stem cells and additive manufacturing: the next generation of pharmaceutical screening platform**

Speaker: **Dr. Harish Handral**, National University of Singapore, Singapore

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#### TENTATIVE PROGRAM

Day 2 (Wednesday Dec 16, 2020)

#### Technical Session - III

- 10.00-10.30 **Rice genomics and Bioinformatics for disease resistance**  
Speaker: **Dr. Irfan Ahmed Ghazi**, Dept. of Plant Sciences, SLS, University of Hyderabad
- 10.30-11.00 **Nutritional and Health benefits of *Spirulina***  
Speaker: **Dr. Ahmad Ali**, SLS, University of Mumbai
- 11.00-11.30 **Genetically encoded FRET-based Nanosensors –A tool for *in vivo* measurement of metabolites in living cells**  
Speaker: **Prof. Altaf Ahmad**, Aligarh Muslim University

#### Technical Session - IV

- 11.30-12.00 **Structure based identification of natural compound inhibitor against *M. tuberculosis* thioredoxin reductase: insights from molecular docking and dynamics simulation**  
Speaker: Dr. Mohd. Akif, Dept. of Biochemistry, SLS, University of Hyderabad
- 12.00-12.30 **New Dimensions in understanding Ageing process**  
Speaker: **Dr. G. Swathi**, GDC, Puttur
- 12.30-1.00 **Biotechnological approaches for *in vitro* production of secondary metabolites for sustainable utilization of medicinal plants**  
Speaker: Dr. A. Sabitha Rani, Osmania University

Vote of Thanks