International Conference on "Omics of Plant-Pathogen Interaction with their implication"

Mode: Online

November 16-18th, 2020

Free Registration

E-Certificate will be provided

Convenor

Dr. Binod B. Sahu

Department of Life Science

National Institute of Technology Rourkela

About the Conference

Plant pathogen interaction (PPI) impacts agriculture in various useful ways. By this online platform of conference we intend to delve into various advances in the field of omics that have enhanced our knowledge of PPI and therefore served in the advancement of better agricultural practices. The participants will gain insight into the various advances made in the area and also will be able to showcase their research on an international platform.

The Institute

National Institute of Technology, Rourkela is an Institute of National Importance for technical education established by the Government of India. NIT Rourkela is a prestigious institute with a reputation for excellence in research and education at undergraduate, postgraduate and doctoral levels.

The Department

The Department of Life Science is the scientific study associated with living organisms including microorganisms, plants, animals and human beings. The current research focus of the department includes cancer biology, epigenetics, apoptosis and autophagy in cancer, bioremediation, microbial ecology and marine biotechnology, food and bioprocess technology, development of nanoparticles for drug delivery, tissue engineering, proteostasis (protein folding/aggregation in presence of nanoparticle), functional genomics, stem cell biology encompassing cancer and pluripotent stem cells and regulatory RNA biology for deciphering biomolecular regulation at systems level.

Who should attend

- Students and Research scholars
- Young faculty and scientists
- Industry personnel

Important dates

Registration deadline: 15th November 2020

Registration Link (https://forms.gle/ovR1viJsy95wCzRU8)

Joining link and details will be shared with registered participants

Organizing Committee

Patron:

Prof. A. K. Biswas
Director
NIT Rourkela, Patron

Chairman:

Dr. Surajit Das
Head
Department of Life Science

Advisor:

Prof. Samir K. patra

Convener:

Dr. Binod Bihari Sahu

Student Co-ordinators:

Kalpana Dalei
Daraksha Parween
Debasish Pati
Vivekanada mahanta

Opening remarks: 5:30 PM
Welcome address: 5:35 PM
Address by Chairman: 5:40 PM
Inauguration by Director: 5:45 PM
Address by Chief Guest: 5:55 PM

Day 1, 16th Nov, 2020, 5:30-7:00 PM

Chief Guest and Keynote Inaugural speaker

Prof. Madan Kumar Bhattacharyya
Iowa State University, USA
Application of a transcriptomic approach in enhancing broad-spectrum disease and pest resistance in soybean

Distinguished Speakers

Day 2, 17th Nov, 2020, Session I, 9:30-11:30 AM

Dr. Nikhilesh Dhar
University of California Davis, USA
9:30-10:30AM

Dr. Prashant Singh
Banarus Hindu University, Varanasi
Green Vaccination: Smart Plant Health Care for Human Welfare
10:30-1130AM

Session II, 3:00-5:00 PM

Dr. Amol Kumar Solanke
NRCPB, Delhi
Understanding Rice-*Magnaporthe* interaction during panicle blast in resistant and susceptible rice cultivars using a time-course transcriptome analysis
3:00-4:00PM

Dr. Kutubuddin Molla
NRRI, Cuttack
4:00-5:00PM
Replacing one DNA letter with another by CRISPR/Cas tool

Day 3, 18th Nov, 2020, Session I, 9:30-11:30 AM

Dr. Arup Kumar Mukherjee
NRRI, Cuttack
9:30-10:30AM
Rice sheath blight tolerance: prospects

Dr. Sridev Mohapatra
BITS Pilani, Hyderabad
10:30-1130AM
PGPR in plant growth promotion: Application potential

Session II, 3:00-5:30 PM

Dr. M. K. Rajesh
ICAR-CPCRI, Kasargod, Kerala
Deployment of 'omics' tools towards deciphering coconut-*Phytophtora palmivora* interactions
3:00-4:00PM

Dr. Ramesh Namdeo Pudake
Amity University, Noida
4:00-5:00PM
Rhizosphere biology: microbes in action

Vote of thanks and valedictory function
5:00-5:30PM

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