

# ABOUT US

The Indian Institute of Spices Research (IISR) is an autonomous organization engaged in agricultural research related to spices in India. It is a subsidiary of Indian Council of Agricultural Research (ICAR), New Delhi, under the Ministry of Agriculture, India. The Student-Scientist Interface, the fourth in the series, is organized by Division of Crop Protection which is one of the three divisions in IISR dealing with research on pests and diseases affecting spice crops.



Division of Crop Protection  
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4th  
**STUDENT-SCIENTIST  
INTERFACE**



## **DIGITAL BIOLOGY** UNRAVELLING THE BIOLOGICAL PUZZLES

**26 APRIL 2022, 10 a.m. - 4 p.m.**

## ORGANISING COMMITTEE

*Patron*

**J. REMA**

*Director (Acting),  
ICAR-IISR, Kozhikode*

*Chairman*

**SANTHOSH J. EAPEN**

*Head  
Div. of Crop Protection*

*Conveners*

**A.I. BHAT**

*Principal Scientist*

**R. PRAVEENA**

*Senior Scientist*

**C. SELLAPERUMAL**

*Scientist*



## ABOUT THE INTERFACE

Today Digital Biology is transforming biological research. Computers are enabling researchers to improve data quality and laboratory efficiency, extend their ability to probe and model complex biological phenomena. The discovery driven by computers has the potential to increase scientific breakthroughs and unravel hitherto unknown biological puzzles.

Fourth in the series, this Student-Scientist interface aims to bring together leading researchers who work on various aspects of digital biology and aspiring young researchers from Kozhikode on a common platform. Attendees of the interface will receive first-hand information from prominent experts on the recent advances and challenges faced by computational biologists for solving complex biological phenomena which will enable the students to envisage and plan their future.

## Who can attend?

Postgraduate students, research scholars studying Botany / Zoology / Biotechnology / Bioinformatics / Life sciences and interested young faculty.

## How to register?

Online participants must register through the link, <https://bit.ly/3tSa5UQ> or by scanning the QR code. Offline participants are requested to register by email (Praveena.R@icar.gov.in/ C.Sellaperumal@icar.gov.in) on or before 20th April 2022. There is no registration fee. Lunch, refreshments, and participation certificates will be provided.

## SPEAKERS



**Chief Guest & Inauguration**

**DR. NASSER M.**

*Pro-Vice Chancellor, Calicut University*



**DR. RAKESH PANDEY**

*Emeritus Scientist  
CSIR-Central Institute of Medicinal and Aromatic Crops,  
Lucknow, U.P.*

**Topic:** *Caenorhabditis elegans - A unique experimental tool for biomedical sciences*



**DR. VINOD SCARIA**

*Principal Scientist  
CSIR - Institute for Genomics and Integrative Biology,  
New Delhi*

**Topic:** *From personal genomes to populations and back*



**DR. ROSANA O. BABU**

*Post-Doctoral Scientist  
Centre for Computational Biology, Medical Research  
Council, University of Oxford, UK*

**Topic:** *Bioinformatics: Accelerating biological and biomedical research*



**DR. SANTHOSH J. EAPEN**

*Principal Scientist & Head  
Division of Crop Protection, ICAR - Indian Institute of  
Spices Research, Kozhikode*

**Topic:** *Understanding secrets of life through wriggling worms*