

Speakers

Dr. Ruby John Anto

(Honorary Scientist, Institute of Advanced Virology, Thiruvananthapuram)

Prof. Mohamed Hatha Abdulla

(Professor, Department of Marine Biology, Microbiology and Biochemistry, CUSAT)

Dr. Ramchand CN

(CEO/Scientist, Theragen Biologics, Tamil Nadu)

Dr. Manzoor K.

(Professor, Amrita School of Nanosciences and Molecular Medicine, Kochi)

Dr. Saji Uthaman

(Research Scientist, Iowa State University, Ames, Iowa, USA)

Dr. Leny Jose

(Assistant Research Professor, School of Medicine, Indiana University, USA)

Dr. Shijulal Nelson-Sathi

(Scientist C & Co-ordinator, Bioinformatics facility, RGCB, Thiruvananthapuram)

Dr. Sarika A R

(Scientist, Kerala Biotechnology Mission, KSCSTE)

Organizing Committee

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Patron: Prof. M Nasser, Pro Vice Chancellor

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Convener: Dr. Anu Joseph, Head, Dept. of Biotechnology

Scientific Dr. Elyas K K, Professor

Committee: Dr. Gopinathan C, Associate Professor

Dr. Anu Joseph, Head, Dept. of Biotechnology

Organizing Secretary:

Dr. Smitha V B

Assistant Professor, Department of Biotechnology, University of Calicut

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International Conference & Workshop on Current Trends in Biotechnology

17th to 19th January 2024

Organized by
Department of Biotechnology
University of Calicut

Overview

Experience a prestigious international platform at our conference, bringing together academicians, researchers, engineers, industry professionals, and students in the field of biotechnology. Scheduled from January 17-19, 2024, the event fosters collaboration, offering delegates a chance to discuss ideas, share experiences, and establish valuable connections for future research and business endeavors.

Anticipate enlightening talks by distinguished speakers during the forenoon sessions and enriching biotechnology workshop in the afternoons. The workshop will cover key areas such as immunotechnology, bioprocess technology, animal cell culture, gene & protein expression studies through lab demo sessions.

Who should attend?

This conference is tailored for researchers, lecturers, professionals, and post-graduate students in diverse fields, including Biotechnology, Life Sciences, Pharmaceutical Sciences, Molecular Medicine, and more. With a limited capacity of 40 participants, secure your spot to maximize your engagement and learning experience.

When to register?

On or before 10th January 2024

Payment details?

Faculty/Public/Industry	Students
Rs. 1500/-	Research Scholars- Rs. 1000/- PG Students- Rs. 500/-

*Official ID card OR bonafide certificate issued by HOD & signed by principal/dean of the Institution.



Mode of Payment

After confirmation of registration, fee must be paid in favour of General Convener Seminar/Workshop, Department of Biotechnology through account transfer (NEFT/RTGS)

Bank account details:

Beneficiary Name: Dept. of Biotechnology
Bank Name: STATE BANK OF INDIA
Branch: Calicut University Branch
Account No: 57018247969
IFSC Code: SBIN0070200

Accommodation: Limited in-house accommodation (non-AC) will be provided subject to availability on first come first serve basis. Additional charges will be applicable.

Registration Fees: The registration fee covers the workshop participation, workshop protocols, working lunch and refreshments for three days.

Please note that fees paid will not be refundable under any circumstances and there is no spot payment. No TA/DA will be provided.

Program Schedule will be emailed to the participants one day before the commencement of the workshop.

Link for Registration:

<https://forms.gle/eNqkbbZvqLgVgrUWA>

INTERNATIONAL CONFERENCE AND WORKSHOP ON CURRENT TRENDS IN BIOTECHNOLOGY

SCHEDULE

DAY 1 17-01-2024

10.00am-11.00am	Inauguration	
11.15 am 12.15pm	Dr. Ruby John Anto Honorary Scientist, Institute of Advanced Virology, Thiruvananthapuram	Evaluation of the therapeutic potential of Uttroside B, a phytosaponin, against Non-alcoholic Steatohepatitis and Hepatocellular Carcinoma
12.15pm -01.15pm	Dr. Ramchand CN CEO/Scientist, Theragen Biologics, Tamil Nadu	Discovery and development and clinical evaluation of anti VEGF Fab for the treatment of wet AMD and Diabetic retinopathy, a synthetic biology approach
Lunch Break: 01.15pm-02.00pm		
02.00 pm-02.45pm	Lab Session 1	Immunotechnology
02.45pm-03.30pm	Lab Session 2	Immunotechnology
Coffee Break: 03.30pm-03.45pm		
03.45pm-05.00pm	Lab Session 3	Bioinformatics

DAY 2 18-01-2024

10.00am-11.00am	Dr. Saji Uthaman Research Scientist, Iowa State University, USA	Inhibiting Ulcerative Colitis with Reactive Oxygen Species Responsive Micelles
11.15am-12.15pm	Dr. Shijulal Nelson Sathi Scientist C, Rajiv Gandhi Center for Biotechnology, Thiruvananthapuram	Recent trends in bioinformatics
12.15pm-01.30pm	Central Sophisticated Instrumentation Facility (CSIF) visit	
Lunch Break: 01.30pm-02.30pm		
02.30pm-03.30pm	Lab Session 1	Animal Cell Culture
Coffee Break: 03.30pm-03.45pm		
03.45pm-05.00pm	Lab Session 2	Molecular Biology Techniques

DAY 3 19-01-2024

10.00am-11.00am	Dr. Leny Jose Assistant Research Professor, School of Medicine, Indiana University, USA	The Role of Viral E2 Protein in the Papillomavirus Life Cycle
11.15am-12.15pm	Dr. Manzoor K Professor, Amrita School of Nano sciences and Molecular Medicine, Kochi	
12.15pm-01.15pm	Dr. Mohammed Hatha Professor, Department of Marine Biology, Microbiology, and Biochemistry, CUSAT	Versatility of Microbes - an efficient tool in the bioremediation of polluted soil and water ecosystems
Lunch Break: 01.15pm-02.00pm		
02.00pm-02.45pm	Lab Session 1	Bioprocess technology
02.45pm-03.30pm	Lab Session 2	Bioprocess technology
Coffee Break: 03.30pm-03.45pm		

Valedictory function:03.45pm-04.30pm

INTERNATIONAL CONFERENCE REPORT

The Department of Biotechnology University of Calicut organized an International Conference and Workshop on “Current Trends in Biotechnology” from 17-19 January 2024. The conference was tailored for researchers, lecturers, professionals and post graduate students in diverse fields including Biotechnology, Life Sciences, Pharmaceutical Sciences, Molecular Medicines and more. The conference was anticipated with enlightening talks by distinguished speakers during the forenoon sessions and an enriching Biotechnology workshop in the afternoon. The workshop covered the key areas such as immunotechnology, bioprocess technology, animal cell culture, gene and protein expression studies and bioinformatics through lab demo sessions. Around 50 participants joined the Conference.

The conference was inaugurated by Prof. M Nasser, Pro -Vice chancellor. The felicitation speech was delivered by Dr. Anu Joseph (HoD Biotechnology), Dr. Elyas K K (Prof. Dpmnt. of Biotechnology), Dr. Gopinathan C (Associate Prof.) and Dr. Smitha V B (Assistant Prof. Dpmnt. of Biotechnology).

First talk was on the topic “Evaluation of the therapeutic potential of Uttroside B, a phyto saponin, against non-alcoholic steatohepatitis and hepatocellular carcinoma” given by Dr. Ruby John Anto, honorary scientist Institute of Advanced Virology, Trivandrum. The next session was about the topic “Discovery and Development and Clinical Evaluation of Anti VEGF Fab for the treatment of wet AMD and Diabetic retinopathy, a synthetic biology approach”. It was delivered by Dr. Ramchand C N, CEO/Scientist Theragen Biologics.

On the second day the first session was given by Dr. Saji Uthaman, Research scientist, Iowa state University, USA on the topic “Inhibiting ulcerative colitis with reactive oxygen species responsive micelles”. The final session of the day was on “Recent Trends in Bioinformatics” by Dr. Shijulal Nelson Sathi, Scientist C, Rajiv Gandhi Centre for Biotechnology, Trivandrum.

The talk on the final day started with Dr. Leny Jose, Asst. Research Prof., School of Medicine, Indiana University, USA on the topic “The role of Viral E2 protein in the papillomavirus life cycle”. The next session was given by Dr. Sariga A R, Senior scientist, Kerala Biotechnology Commission, on various Job and research opportunities in the field of Biotechnology. The last session of the conference was about the topic “Versatility of Microbes- an efficient tool in the bioremediation of polluted soil and water ecosystem”. All the sessions were very informative and useful for the participants and they gave positive feedback. Many of them were able to clear doubts regarding different topics.

Certificates for participants were given in the valedictory function. The conference offered delegates a chance to discuss ideas, share experience and establish valuable connection for future research and business endeavors.



