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KERALA AGRICULTURAL UNIVERSITY
COLLEGE OF AGRICULTURE, VELLAYANI



BIOZION-INTERNATIONAL BIOTECHNOLOGY CONCLAVE
7-11 AUGUST, 2023

INAUGURATION CEREMONY
7th AUGUST 2023 | 02:30PM | Indoor Stadium



INAUGURATION
Prof. Dr. Dr. habil Thomas Braun
Director and Scientific Member
at the Max Planck Institute for Heart
and Lung Research, Germany



CHIEF GUEST
Prof. Dr. Sanjay Behari
Director
Sree Chitra Tirunal Institute for Medical
Sciences And Technology
Thiruvananthapuram



PRESIDENTIAL ADDRESS
Dr. B. Ashok IAS
Jr. Vice Chancellor
Kerala Agricultural University



GUEST OF HONOUR
Prof. Dr. Chandrabhas Narayana
Director
Rajiv Gandhi Centre for Biotechnology
Thiruvananthapuram

KERALA AGRICULTURAL UNIVERSITY
COLLEGE OF AGRICULTURE, VELLAYANI



BIOZION-INTERNATIONAL BIOTECHNOLOGY CONCLAVE
7-11 AUGUST, 2023

We are delighted to extend a cordial invitation to the grand inauguration of BioZion: International Biotechnology Conclave. This momentous event is organized by College of Agriculture, Vellayani with collaborative support from the prestigious Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram. BioZion envisions creating an extraordinary interdisciplinary knowledge-sharing platform. It emphasizes nurturing an ecosystem for excellence and research, where the realms of biotechnology and agriculture converge with other sciences. This conclave promises to be a vibrant forum for addressing societal concerns and exploring the profound impacts of these dynamic fields. We warmly invite you to join us as we embark on this exciting journey towards a future of innovation and collaboration at BioZion.

Dr. Roy Stephen
Dean of Faculty
College of Agriculture
Vellayani

Dr. K. N. Anith
Associate Director of Research
RARS (SZ), Vellayani

Dr. Soni K.B.
Professor and Head
Department of
Molecular Biology &
Biotechnology

BIOZION
KERALA AGRICULTURAL UNIVERSITY
Venue : Indoor Stadium, COA Vellayani

Monday
07.08.2023

PROGRAM SCHEDULE

Invocation Song		College Choir
Welcome Address	02.30 PM- 02.35 PM	Dr. Roy Stephen Dean of Faculty College of Agriculture Vellayani
Presidential Address	02.35 PM- 02.45 PM	Dr. B. Ashok IAS Hon'ble Vice Chancellor Kerala Agricultural University
Program Briefing	02.45 PM- 02.50 PM	Dr. Archana R. Sathyan Assistant Professor Department of Agricultural Extension Education
Inaugural Address	02.50 PM- 03.00 PM	Prof. Dr. habil Thomas Braun Director Max Planck Institute for Heart and Lung Research Bad Nauheim, Germany
Chief Guest	03.00 PM- 03.20 PM	Dr. Sanjay Behari Director SCTIMST
Guest of Honour	03.20 PM- 03.30 PM	Dr. Chandrabhas Narayana Director RGCB
Felicitation	03.30 PM- 03.35 PM	Dr. Thomas George GC Member Kerala Agricultural University
	03.35 PM- 03.40 PM	Dr. K. N. Anith Associate Director of Research RARS (SZ), Vellayani
	03.40 PM- 03.45 PM	Dr. Allan Thomas Professor and Head Department of Agricultural Extension Education
	03.45 PM- 03.50 PM	Dr. Swapna Alex Professor Department of Molecular Biology and Biotechnology
Vote of Thanks	03.50 PM- 03.55 PM	Ms. Keerthana J. Student Convener BioZion: The Biotech Capstone

PROGRAMME SCHEDULE

07 - 08 - 2023

**Venue 1: Seminar Hall - Department of Molecular Biology and Biotechnology,
College of Agriculture, Vellayani**

09.00 - 14.00	Workshop on Techniques in Molecular Biology
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Venue 2: Indoor Stadium, College of Agriculture, Vellayani

14.30 - 16.00	Inaugural ceremony
16.00 - 18.00	Panel discussion
18.30 - 20.00	Cultural night and dinner

08 - 08 - 2023

Venue: Indoor Stadium, College of Agriculture, Vellayani

09.30 - 10.15	Prof. Dr. Dr. habil Thomas Braun Director Max Planck Institute for Heart and Lung Research Bad Nauheim, Germany	Genetic and metabolic reprogramming of cardiomyocytes for regeneration of damaged hearts
10.15 - 10.45	Networking + Tea Break	
10.45 - 11.15	Dr. Renu John Professor and Head Dept. of Biomedical Engineering IIT Hyderabad	Advanced light microscopy applications in clinical practice
11.30 - 12.00	Dr. Mohanan P. V. Professor Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum	Human organs-on-a-chip for preclinical/disease modeling studies
12.00 - 14.00	Lunch Break	
14.00 - 14.30	Dr. Soni Pullamsetti Professor Center for Infection and Genomics of the Lung (CIGL), Justus-Liebig-University, Giessen, Germany	Epigenetics and transcriptional networks in lung diseases: new treatment approaches
14.45 - 15.15	Dr. Sagar Pandit Assistant Professor Indian Institute of Science Education and Research, Pune	Chemical and molecular ecology for agricultural biotechnology

15.30 - 16.00	Dr. Narayanan Namboodiri Professor Dept. of Cardiology Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum	Application of biotechnology in management of cardiac rhythm disorders
15.15 - 15.30	Tea Break	
18.00 - 18.40	Interactive Session with Prof. Dr. Dr. habil Thomas Braun	
Display of all Posters		

09 - 08 - 2023

Venue 1 : Council Hall, College of Agriculture, Vellayani

09.30 - 10.30	Interactive Session with Prof. Dr. Dr. habil Thomas Braun
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Venue 2 : New UG Block (Ground floor), College of Agriculture, Vellayani

10.30 - 11.00	Dr. Ani S. Das Director Centre for Bioresources and Agro Services Government of Kerala	Advanced light microscopy applications in clinical practice
11.00 - 11.30	Tea Break	
11.30 - 12.00	Dr. Guruvayoorappan C. Associate Professor Regional Cancer Centre, Trivandrum	Targeted drug delivery for cancer treatment
12.00 - 12.30	Dr. Binuja Thomas Principal Scientist Kerala State Council for Science, Technology and Environment	Quality assurance and food safety management system
12.30 - 13.00	Dr. Sarika A. R. Scientist Kerala Biotechnology Commission	Biotechnology R&D and entrepreneurship initiatives of Kerala Biotechnology Commission
13.00 - 14.00	Lunch Break	
14.00 - 14.40	Dr. G. Madhumathy Nair Project Scientist II Division of Molecular Medicine St. John's Research Institute, Bangalore	Low cost liquid biopsy based assays for disease monitoring in breast cancer
15.00 - 15.40	Dr. Nisha P. Principal Scientist Agro Processing and Technology Division, CSIR - NIIST, Trivandrum	Sustainability of nutraceutical/herbal/ayurvedic industries: A circular economy approach
15.45 - 16.00	Tea Break	

Venue 3 : Seminar Hall, Agricultural Extension Education**College of Agriculture, Vellayani**

10.00 - 12.00	Oral Presentation - Agriculture
14.00 - 16.00	Oral Presentation - Biotechnology

10 - 08 - 2023**Venue 1 : New UG Block (Ground floor), College of Agriculture, Vellayani**

10.00 - 10.40	Dr. Soni K. B. Professor and Head Department of Molecular Biology and Biotechnology, CoA, Vellayani	Exploring the potential of genome editing for stress tolerance in crops
10.40 - 11.00	Tea Break	
12.00 - 12.40	Dr. Radhakrishnan E. K. Assistant Professor School of Biosciences Mahatma Gandhi University	Opportunities and challenges with use of microbiome for sustainable applications
12.40 - 14.00	Lunch Break	
14.00 - 15:00	Oral Presentation – NRM and Climate change	
15.00 - 16.30	Paper Presentation (UG)	

Venue 2 : New UG Block (First floor), College of Agriculture, Vellayani (ONLINE)

09.00 - 09.30	Dr. Suzane Jacobs Research Associate Centre for International Development and Environmental Research (ZEU) Justus-Liebig-University, Giessen, Germany	Participatory monitoring to support sustainable water resources management in tropical mountain regions
09.30 - 09.45	Tea Break	
10.00 - 13.30	Abstract Writing – Competition	
13.30 - 14.00	Lunch Break	
14.00 - 14.40	Dr. Christoph Funk Post Doc- SDGnexus Network Centre for International Development and Environmental Research Justus-Liebig-University, Giessen, Germany	Reading between the lines: The intersection of research attention and sustainable development goal
15.30 - 17.00	Bony De Kumar Director of Operations, Yale Center for Genome Analysis USA	Next generation sequencing

**Venue 3 : Seminar Hall, Advanced Research Centre for Plant Disease Diagnosis,
College of Agriculture, Vellayani**

10.00 - 10.40	Dr. Balakumaran P. A. Scientist Microbial Processes and Technology Division CSIR- NIIST, Trivandrum	Biotech industry expectations: opportunities and knowledge gap
10.40 - 11.00	Tea Break	
11.00 - 11.40	Dr. Binod Parameswaran Senior Scientist Microbial Processes and Technology Division CSIR-NIIST, Trivandrum	Microbial biotechnology for sustainable development
13.00 - 14.00	Lunch Break	
14.00 - 16.00	Ideathon	

11 - 08 - 2023

**Venue 1 : Seminar Hall, Agricultural Extension Education
College of Agriculture, Vellayani**

11.30 - 13.00	Valedictory Function
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Venue 2 : New UG Block (Ground floor), College of Agriculture, Vellayani

CAREER CONNECT

09.30 - 10.15	Mr. Jagan Gopinath Vice President - Arvind Limited, Ahmedabad	Demystifying agribusiness and commodity trading
10.15 - 10.45	Mr. Ajay Gupta CEO, Rural Naukri.com (Foods & Agri Headhunter)	Recruitment cycles in food and agribusiness
10.45 - 11.30	Mr. Ashish Kumar Manager- Public Sector Consultant Grand Thornton Bharat LLP	Career opportunity in agriculture and livelihood consultancy
11.30 - 14.00	Aptitude/skill assessment by selected agribusiness company representatives	
14.00 - 15.00	Federal Bank Session Talent Development & Training Division	Equipping students to the corporate world
15.00 - 17.00	Aptitude/skill assessment by selected agribusiness company representatives	

Invited Guests



Prof. Dr. Dr. habil Thomas Braun
Director
Max Planck Institute for Heart and Lung Research
Bad Nauheim,
Germany



Prof. Dr. Sanjay Behari
Director
Sree Chitra Tirunal Institute for Medical Sciences And
Technology
Thiruvananthapuram



Prof. Dr. Chandrabhas Narayana
Director
Rajiv Gandhi Centre for Biotechnology
Thiruvananthapuram



Prof. Dr. Soni Pullamsetti
Professor
Center for Infection and Genomics of the Lung (CIGL),
Justus-Liebig-University, Giessen
Germany



Dr. Mohanan P. V.
Scientist-G & Head, Toxicology Division,
Toxicology Division,
Sree Chitra Tirunal Institute for Medical Sciences and Technology
Trivandrum



Dr. Renu John
Head
Department of Biomedical Engineering, IIT Hyderabad



Prof. Dr. Achuth Shankar

Head
Department of Computational
Biology and Bioinformatics
University of Kerala
Thiruvananthapuram



Dr. K. K. Narayanan Namboodiri

Professor
Department of Cardiology
Sree Chitra Tirunal Institute for Medical Sciences and Technology
Trivandrum



Dr. Sagar Pandit

Assistant Professor
Indian Institute of Science Education and Research,
Pune



Dr. Christoph Funk

Post Doc - SDGnexus Network
Centre for International Development and Environmental Research (ZEU)
Justus Liebig University, Giessen
Germany



Dr. Susanne Jacobs

Research Associate
Centre for International Development and Environmental Research (ZEU)
Justus Liebig University, Giessen
Germany



Dr. Binod P.

Principal Scientist
Microbial Processes and Technology Division
CSIR-National Institute for Interdisciplinary Science and Technology
Trivandrum



Dr. Radhakrishnan E. K.
Assistant Professor
School of Biosciences
Mahatma Gandhi University
Kottayam



Dr. Balakumaran P. A.
Scientist
Microbial Processes and Technology Division
CSIR-National Institute for Interdisciplinary Science and Technology
Trivandrum



Dr. Guruvayoorappan C.
Associate Professor
Division of Cancer Research
Regional Cancer Centre
Trivandrum



Dr. Nisha P.
Principal Scientist
Agroprocessing and Technology Division
CSIR-National Institute for Interdisciplinary Science and Technology
Trivandrum



Dr. Ani S. Das
Director
Centre for Bioresources and Agro Services
Kannur



Dr. G. Madhumathy Nair
Project Scientist II
Division of Molecular Medicine
St. John's Research Institute
Bangalore



Dr. Binuja Thomas

Principal Scientist

Kerala State Council for Science, Technology and Environment
Trivandrum



Dr. Soni K. B.

Professor and Head

Department of Molecular Biology and Biotechnology,
College of Agriculture, Vellayani



Dr. Sarika A. R.

Scientist

Kerala Biotechnology Commission



Mr. Jagan Gopinath

Vice President - Arvind Limited,
Ahmedabad



Mr. Ashish Kumar

Manager- Public Sector Consultant
Grand Thornton Bharat LLP



Bony De Kumar

Director of Operations,
Yale Center for Genome Analysis
USA



Mr. Ajay Gupta

CEO, Rural Naukri.com (Foods & Agri Headhunter)

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