



RCSS
RAJAGIRI COLLEGE OF
SOCIAL SCIENCES
(AUTONOMOUS)

NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL



CGPA
3.83/4.00
(A++)



INTERNATIONAL YEAR OF
MILLETS
2023

**International Conference on Millets:
Breeding, Physiology, Genomics,
Biotechnology and Nutraceuticals-2023
(ICM-BPGBN-2023)**

July 5th to 7th, 2023

Jointly organized by

Department of Biosciences

&

Rajagiri Research & Development Cell (RRDC),
Rajagiri College of Social Sciences (Autonomous),
Kochi-683104, Kerala, India

About the Conference

Climate-resilient cereals are crucial for increasing food in the future due to the increasing population and global climate change. Millets are considered a climate-resilient cereal globally. Millets are one of the primary sources of food and fodder crops, particularly in Asia and Africa. Millets provide essential nutrients and energy to humans. They also help to reduce various diseases, particularly obesity and cardiovascular diseases. However, compared to other major cereals, modern genetic and genomic research is lagging for millets although they possess excellent agronomical and nutrient-supplementation traits. Hence, the United Nations has declared 2023 the "International Year of Millets (#IYOM2023), considering their key role in promoting

climate-resilient agriculture and nutrient supplementation among the rural population. The conference's main aim is to bring together diverse millet researchers to deliberate on the current status of millet research and discuss the way forward. This conference covers diverse studies on understanding and improving millets through biotechnological molecular-assisted breeding, functional genomics, and genome editing approaches. This conference also covers the millet products, processing, nutritional importance and health benefits of millet foods. Overall, this conference aims to provide an avenue for millet researchers to exchange knowledge on millet research and develop collaborative networks.

Subjected areas

- **Breeding and Crop Improvement:** Genetic diversity, Genotyping, Phenotyping, MAS & MAB, QTL, GWAS, SNP, etc
- **Functional Genomics:** Genome sequencing, Candidate gene validation, RNAseq, Bioinformatics, Proteomics, etc
- **Genetic Transformation & Genome Editing:** Millet tissue culture, Millet transformation (Agrobacterium, Biolistic, & protoplast-mediated), Transgenic, Genome editing, etc.
- **Physiology & Abiotic stress:** Plant physiology, Stress physiology (Drought, heat, metal, cold, etc.)
- **Nutrients and Nutraceuticals:** Millet nutrients, Millet food, Millet healing effects, millet health benefits, millet nutraceuticals, etc

Keynote Speakers



Prof. Katrien Devos
University of Georgia, USA



Prof. Zerihun Tadele
University of Bern,
Switzerland



Fr. Dr. S. Igancimuthu, S.J.
Xavier Research Foundation,
St. Xavier's College,
Palayamkottai, India



Prof. Alison Baker
University of Leeds, UK



Dr. Manoj Prasad
NIPGR, New Delhi, India



**Prof. Carlos Wanderlei
Piler de Carvalho**
Embrapa Agroindustria de
Alimentos Embrapa Food
Technology, Brasil



Prof. Hari D Upadhyaya
University of Georgia, USA



Prof. Wilton Mwema Mbinda
Pwani University, Kilifi,
Kenya



Prof. Rattan Yadav
Aberystwyth University, UK



Prof. M.S. Sheshshayee
University of Agricultural
Sciences, Bengaluru, India



Prof. Anil Kumar
Rani Lakshmi Bai Central
Agricultural University,
Jhansi (UP), India



Dr. T. Nepolean
IIMR, Hyderabad, India

Invited Speakers

Dr. S. Uma Mageshwari

Professor, Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore, India.

Dr. Usha Dharmaraj

Senior Technical Officer, Central Food Technological Research Institute (CFTRI), Mysore,
India

Dr. Charu Lata

Senior Scientist, CSIR-National Institute of Science Communication and Policy Research (CSIR-NISCP), New Delhi, India.

Dr. B. Kalyana Babu

Senior Scientist, ICAR-Indian Institute of Oil Palm Research, Pedavegi, India.

Dr. Salej Sood

Senior Scientist, Plant Breeding, ICAR-Central Potato Research Institute, Shimla, India.

Dr. Muthamilarasan M

Assistant Professor, Department of Plant Sciences,
University of Hyderabad, Telangana, India.

Dr. K Hima Bindu

Senior Scientist, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT),
Hyderabad, India.

Dr. Ramesh Namdeo Pudake

Assistant Professor, Amity University Uttar Pradesh

Dr. Muhammad Farooq

Department of Plant Sciences, College of Agricultural and Marine Sciences, Sultan Qaboos University, Seeb, Oman

Dr Paul K. Kimurto,

Department of Crops, Resource Mobilization & Agro-Science Park, Egerton University, Kenya

Fee Details

Type	Registration fee (Early bird)		Registration fee (Late bird)	
	Indian	Overseas	Indian	Overseas
Student Delegate	Rs.3000	USD 150	Rs.4000	USD 200
Faculty Delegate	Rs.4000	USD 200	Rs.5000	USD 250
NGO/Others	Rs.5000	USD 250	Rs.7000	USD 300
Corporate Delegate	Rs.8000	USD 400	Rs.10000	USD 500

For Payment by Electronic Transfer

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Kalamassery

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Bank : South Indian Bank

IFSC/NEFT Code : SIBL0000224

SWIFT CODE : SOININ55



Important dates

Last date for abstract submission
20th May 2023

Notification for oral/poster
presentation selection
15th June 2023

Last date for Registration
(Early Bird)
15th May 2023

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About the Rajagiri College of Social Sciences (Autonomous)



Rajagiri College of Social Sciences (RCSS) is located at Cochin, Kerala, India. RCSS, with its sister educational concerns, owes its existence to the CMI (Carmelites of Mary Immaculate) fathers, the first-ever indigenous religious congregation for men in the Syrian Catholic tradition of Christianity in India. RCSS was established due to the indefatigable industry and foresight of the CMI. The various axioms of the institution maintain the axiomatic spirit of Rajagiri - 'Relentlessly Towards Excellence'. Rajagiri has successfully established and maintained the apt ambiance for learning and the highest level of academic performance by providing state-of-the-art infrastructure and facilities in these institutions. It has been placed 27th in the country in the 'Colleges' category by the National Institutional Ranking Framework (NIRF) of the Ministry of Human Resource

Development (MHRD), Government of India, for the year 2022. RCSS was re-accredited at A++ in the IV Cycle of Accreditation with a CGPA of 3.83/4 in 2021 by the National Assessment and Accreditation Council (NAAC) and a College with the highest NAAC Accreditation score in India. Department of Biosciences is a new initiative of RCSS management to promote quality research, publications, and extension activities in various bioscience fields. The Department of Biosciences is an interdisciplinary research center. The department's primary focus is to improve crop plants and help rural farmers with sustainable agriculture through modern Bioscience research.

About Kochi



Kochi is a major port city on the Malabar Coast of India bordering the Laccadive Sea, a part of the Arabian Sea. It is part of the district of Ernakulam in the state. An all-weather harbor and a grand seascape mark it as the "Queen of the Arabian Sea." Cochin Port is a cruise port and has witnessed encouraging growth with the arrival of luxury cruise liners to its shores. It has been a port since 1341 when a flood carved out its harbor and opened it to Arab, Chinese and European merchants. Sites reflecting those influences include Fort Kochi, a settlement with tiled colonial bungalows and diverse houses of worship. Cantilevered Chinese fishing nets, typical of Kochi, have been used for centuries. This place has been a haven for travel enthusiasts for several decades. The Kerala

backwaters are a network of brackish lagoons and canals parallel to the Arabian Sea. The backwaters have a unique ecosystem: freshwater from the rivers meets the seawater from the Arabian Sea. Kerala houseboats in the backwaters are one of the prominent tourist attractions in Kerala. More than 2,000 of these ply the waterways. The Cochin International Airport is located about 18 km north of RCSS and handles domestic and international flights. It is the world's first fully solar energy-powered airport. The Cochin airport provides direct connectivity to popular international destinations in the Middle East, Malaysia, Thailand, Singapore, and major Indian cities.



Contact

Conference Secretariat
"ICM-BPGBN-2023"

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