



**MADURAI KAMARAJ UNIVERSITY**

**University with Potential for Excellence**  
(Re-accredited by NAAC with "A++" Grade in the 4<sup>th</sup> Cycle)  
**MADURAI-625021, TAMIL NADU, INDIA**



**6<sup>th</sup> International Conference on Genome Biology**

**Cell – Organism – Environment**

**&**

**56<sup>th</sup> Aqua-Terr Annual Day**

**28<sup>th</sup> February 2025 and 1<sup>st</sup> March 2025**

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ORGANIZED BY

**SCHOOL OF BIOLOGICAL SCIENCES  
MADURAI KAMARAJ UNIVERSITY**

[www.mkuniversity.ac.in](http://www.mkuniversity.ac.in)

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**ICGB 6**

**6<sup>TH</sup> INTERNATIONAL CONFERENCE ON GENOME BIOLOGY &  
56<sup>TH</sup> AQUA-TERR ANNUAL DAY**



## INVITATION

School of Biological Sciences, Madurai Kamaraj University cordially invites leading Academic Scientists and aspiring Young Researchers to exchange and share the most exciting developments in the fields of Biological Sciences and Genome Biology in the “**6<sup>th</sup> International Conference on Genome Biology: Cell – Organism – Environment & 56<sup>th</sup> Aqua-Terr Annual Day**”. The conference is planned to be conducted through **hybrid mode** (In-person & On-line) on **28<sup>th</sup> February 2025 and 1<sup>st</sup> March 2025**. It is envisaged to provide a unique platform to the participants from academic institutions and industries to interact and know about the recent innovations and trends in the fields of Genome Biology, Life Sciences and Environmental Sciences.

## SCOPE OF THE CONFERENCE

The “6<sup>th</sup> International Conference on Genome Biology: Cell – Organism – Environment & 56<sup>th</sup> Aqua-Terr Annual Day” will showcase and promote applications of multi-omics technologies for basic and translational research in all areas of biology including **human genetics, clinical medicine, biomarkers, microbial, animal and plant genomics, proteomics, metabolomics, environmental sciences and organismal biology**. The primary goal of this International Conference is to inspire aspiring students, scholars, young researchers and budding scientists through the brainstorming and enlightening deliberations of eminent personalities in the domain of interest and encourages them to pursue interdisciplinary collaborative research. This forum serves the purpose of global networking and developing interdisciplinary research.

## MADURAI KAMARAJ UNIVERSITY

**Madurai Kamaraj University (MKU)**, established in **1966**, has 20 Schools comprising 77 Departments, 21 Academic centres, 109 affiliated Colleges and 14 Institutions. The University offers 66 UG, 44 PG, 40 M.Phil., 57 Ph.D. and 17 Diploma/ PG Diploma/ Certificate courses in various Departments. University Grants Commission (UGC), New Delhi has recognized MKU as an “**University with Potential for Excellence**” and currently **NAAC** has accredited MKU with ‘**A++ Grade**’ in the 4<sup>th</sup> Cycle.



# CCGB-6

6<sup>TH</sup> INTERNATIONAL CONFERENCE ON GENOME BIOLOGY &  
56<sup>TH</sup> AQUA-TERR ANNUAL DAY  
28<sup>TH</sup> FEBRUARY 2025 AND 1<sup>ST</sup> MARCH 2025



## SCHOOL OF BIOLOGICAL SCIENCES

The School of Biological Sciences (SBS) has its unique origin in the early 60's as a postgraduate extension centre of the Department of Zoology, University of Madras at Madurai. When the PG extension centre became the “**Madurai University**” in 1966 (later Madurai Kamaraj University), **Prof. S. Krishnaswamy**, founded the “**Department of Biological Sciences**”. Just a decade later, the Department of Biological Sciences was elevated to “**School of Biological Sciences**” on the recommendation of UGC. Currently, SBS has 8 Departments. UGC has recognized SBS for continuous support through several levels of assistance such as **COSIP, DRS, COSIST, DSA** (Phase I, II and III), Centre for Advanced Studies (**CAS**) in Functional and Organismal Genomics (Phase I, II and III), Centre for Excellence in Genomics Sciences (**CEGS**) (Phase I and II), Networking Resource Centre in Biological Sciences (**NRCBS**) (Phase I and II), DBT-Interdisciplinary Programme in Life Science for Advanced Research and Education (**IPLS**) and **DST-FIST Programme** (2002-2022) (Repeat Cycle I, II & III). SBS has produced **8 FASc, 7 FNA, 5 FNASc, 1 FAMS and 2 TWAS Academy Fellows and Several TANSA and 4 Shanthi Swarup Bhatnagar Awardees**. Our School is currently actively engaged in the research in diverse fields of **life sciences and interdisciplinary areas** such as, Cancer Genetics and Genomics, Ancient Genomics, Human Microbiomics, AI applications in Ecology and Vector Biology, Microbial and Plant Genomics and Biotechnology, Immunogenetics, Molecular Cardiology, Environmental and Marine Biotechnology, Natural Product-Based Drug Discovery, Marine and Fisheries Science, Ecotoxicology and Environmental Health.

## AQUA-TERR

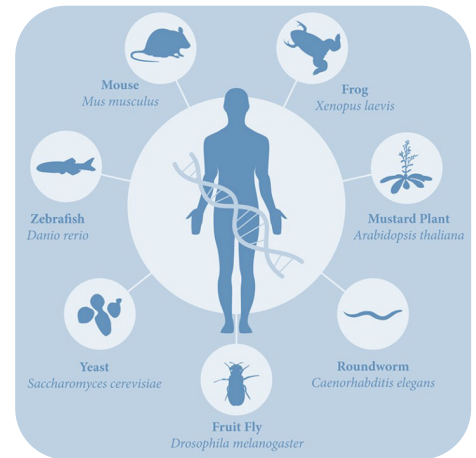
In 1962, **Prof. S. Krishnaswamy** and **Prof. S. V. Job** organized an ‘informal club’ to discuss the latest advances in the field of Animal Physiology encompassing both **aquatic and terrestrial** organisms and it was known as ‘**Aqua-Terr**’. Since 1969, it became a forum for the students of the SBS to present and discuss their findings among their peers, as well as faculty members of the SBS on Friday of every week. This success was extended into annual day of Aqua-Terr as a ‘one-day conference’ on 28<sup>th</sup> February. Since 2014, it became a two-day national event along with the ‘**National Science Day**’, the discovery of the ‘Raman effect’ by Nobel Laureate Sir Chandrasekhara Venkata Raman. In the year, 2019, Aqua-Terr annual conference was organized as an International Conference on Genome Biology and Host Defence (GBHD)” to commemorate the Golden Jubilee of Aqua-Terr. Since then, every year, SBS is organizing this as international event.





## THEME OF THE CONFERENCE

This International Conference would comprise of **Plenary and Invited Lectures** from internationally and nationally eminent experts and oral and poster presentations by contributory authors. The conference encompasses on several areas of Integrated Life Sciences that includes **Microbial/ Plant/ Animal/ Human Genomics, Multi-Omics, Bioinformatics, Biotechnology, Environmental Sciences and Systems Biology**. We invite abstract from Researchers/ Academicians/ Scientists/ Technologists/ Industrialists in the above-mentioned areas for their presentation in the conference. Accepted abstracts will be called for the presentation and published as conference proceedings.



## ABSTRACT SUBMISSION

Participation is open to anyone involved in the R & D, teaching, consultancy, etc., from all over the world. Prospective participants are invited to participate or present their research works as oral or poster presentation. Participants can choose their choice of presentation in the registration form. All the abstracts will be screened by the committee and the final decision for the presentation will be conveyed to the presenting authors. Abstracts based on research will be considered for presentation. Abstract should be prepared as per the template in the registration form and uploaded as a word document in the registration form. The last date for submission of abstracts is **12<sup>th</sup> February, 2025**. **Selected full-length papers** most probably **published in a “Special Issue”** of Springer-Nature publishing journal.

## AWARDS

Poster and Oral Presentations will be evaluated by the expert committee and **“2 Best Presentations under each category (UG/PG Student, Research Scholar & Ph.D. Researcher)”** will be awarded during the valedictory function.

## REGISTRATION

All the participants can register for the conference by filling the details in the **‘Registration Form’** (Link given below) and paying the applicable fee. All the registered participants can attend all the sessions of the conference either by in-person or on-line mode. Conference Kit, Working Lunch, and Refreshments will be provided to the in-person participants. Soft copy of the **‘Certificates and Conference Proceedings’** will be provided to all the participants.

Registration Form Link: <https://forms.gle/CfKMGxNefh7Z274V8>





## REGISTRATION FEE

Participants can pay their applicable registration fees (given below) through RTGS/ NEFT/ IMPS/ UPI. Overseas participants can pay through wire transfer.

Nature of Participant	Applicable Fees			
	Indian Participants in ₹		Overseas Participants in US\$	
	In-Person	On-Line	In-Person	On-Line
UG/ PG Student	400	300	25	15
Research Scholar/ Other Research Fellow	650	500	40	30
Faculty/ Scientist/ PDF/ RA	1000	850	75	65
Corporate/ Industrial Delegate	2000	1750	125	120

## BANK DETAILS FOR REGISTRATION

Account Name:	The Convenor ICGB SBS
Account Number:	38002950889
Bank Name:	State Bank of India
Branch Name:	M.K. University
IFS Code:	SBIN0002235
SWIFT Code:	SBININBB454
UPI ID:	icgbs2025@sbi



SCAN & PAY

## ACCOMMODATION

**Accommodation with Breakfast and Dinner** will be arranged on prior request by the participants at **NRCBS Research Trainees Hostel (within the University campus)**. The participants should mention the required category in the registration form and the applicable charges should be paid in advance through **RTGS/ NEFT/ IMPS/ UPI/ Wire Transfer**. The charges for accommodation with breakfast and dinner is given below.

Category	Single Occupancy	Double Occupancy
Charges/ Day	₹800	₹500



## BANK DETAILS FOR ACCOMMODATION

Account Name:	UGC NRCBS Trainees Hostel
Account Number:	36505133464
Bank Name:	State Bank of India
Branch Name:	M.K. University
IFS Code:	SBIN0002235
SWIFT Code:	SBININBB454
UPI ID:	nrcbstrainees@sbi



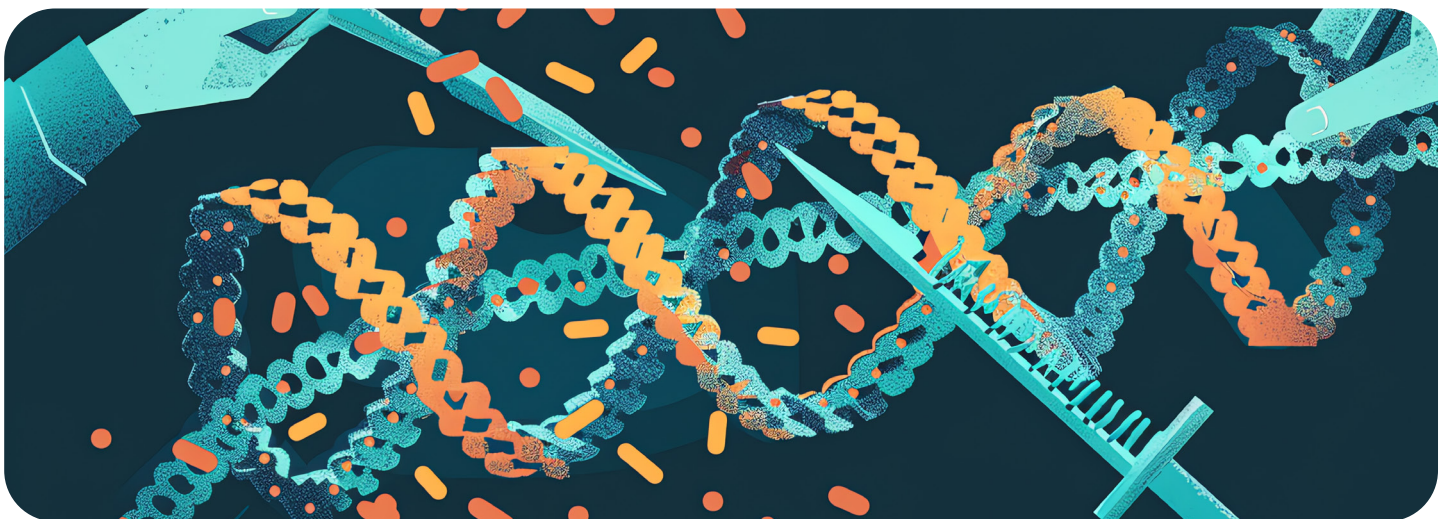
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## ONLINE CONTESTS

Online contests such as 'Science Cover Story Writing', 'Science Meme Creation', and 'Nature Photography' are also open to all the registered participants. Best contents will be awarded and featured in 'Aqua-Terr Annual Magazine'.

## IMPORTANT DATES

Particulars	Deadline
Registration	12.02.2025
Abstract Submission	12.02.2025
Online Contests	17.02.2025
Abstract Acceptance Notification	17.02.2025





## ORGANIZING COMMITTEE

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**Tmt. E. Sundaravalli I.A.S.**

Commissioner of Collegiate Education &  
Convener, Madurai Kamaraj University

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**Prof. G. Kumaresan**

Chairperson, SBS  
Madurai Kamaraj University

### ORGANIZING SECRETARY —

**Dr. M. Jayalakshmi**

Head, Dept. of Immunology  
SBS, MKU

### CO-ORGANIZING SECRETARIES —

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SBS, MKU

**Dr. T. Jebasingh**

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### TREASURER —

**Dr. U. Ramesh**

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**Dr. R. Sankar**

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### MEMBERS —

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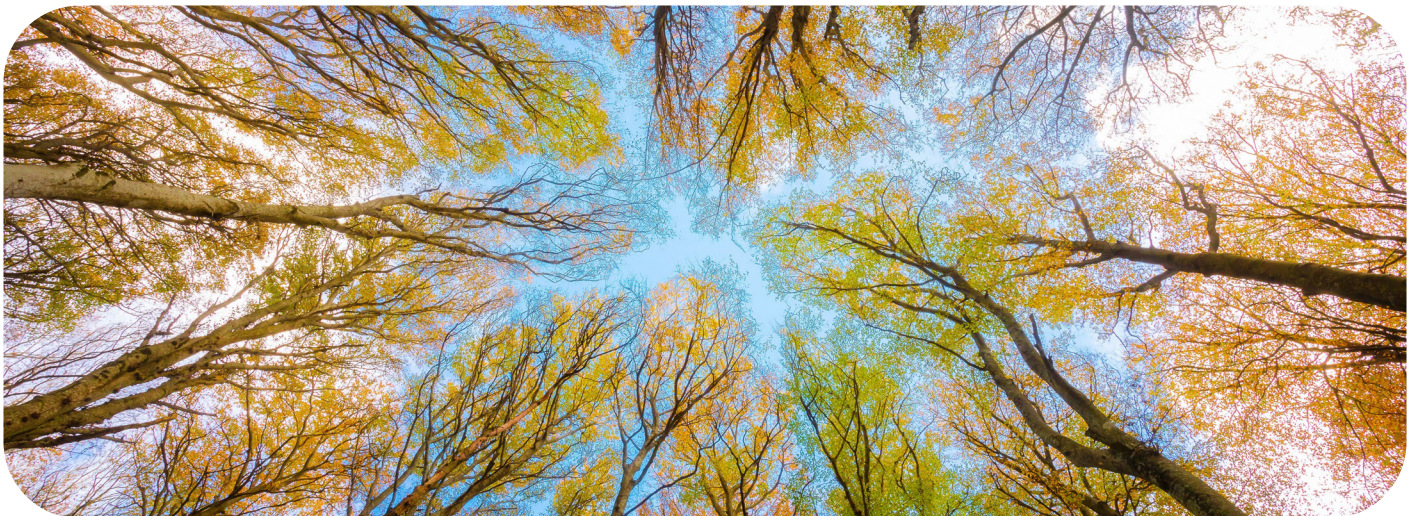
SBS, MKU

**Prof. K. Sivakumar**

SBS, MKU

**Dr. Justin Thenmozhi**

SBS, MKU





## NATIONAL AND INTERNATIONAL ADVISORY COMMITTEE

- **Prof. P. Gunasekaran**  
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- **Prof. Seyed Ehtesham Hasnain**  
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Jamia Hamdard, New Delhi
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SBS, MKU
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Former Head  
Dept. of Immunology, SBS, MKU
- **Dr. Sakthivel Sadayappan**  
Professor & Head  
Dept. of Cellular & Molecular Medicine  
University of Arizona College of Medicine  
Tucson, USA





## SPONSORSHIP INVITATION

School of Biological Sciences, Madurai Kamaraj University is inviting sponsorship from the Companies/ Industries related to “Biology/ Biotechnology/ Genomics for the upcoming “6<sup>th</sup> International Conference on Genome Biology: Cell – Organism – Environment & 56<sup>th</sup> Aqua-Terr Annual Day” to be held on 28<sup>th</sup> February 2025 and 1<sup>st</sup> March 2025. The conference anticipates 400 delegates and is aimed to explore research developments in various aspects of life sciences including genomics, proteomics, metabolomics, cellular models & animal, drug screening, diagnostics, plant biology, etc. The conference will provide benefits like logo display, stall around the conference venue, and opportunity to give a presentation/ product demo during the ‘International Conference’.

Please contact the Convenor and Organizing Secretaries for further details regarding Sponsorship.



Invited Sponsorship Levels	Amount in ₹
Platinum	60,000
Diamond	50,000
Gold	25,000
Silver	15,000





## MADURAI: THE TEMPLE CITY

Madurai, 2500 plus years old city, which has a rich heritage, is located on the banks of river Vaigai. It is famously called 'The city that never sleeps'. The city has the iconic Meenakshi Amman Temple and number of historical monuments, Vandiyur Mariamman Teppakulam, Samanar Hills, Tirumalai Nayak Palace and Keeladi Museum. Madurai is also an important destination for medical tourism, educational and industrial hub, home to various automobile, rubber, chemical and granite manufacturing industries. In February and March, temperature ranges between 23 °C and 33 °C. Madurai is well connected by road, rail and air to all major cities in India.



### Meenakshi Amman Temple

It is a historic Hindu temple located on the southern bank of the Vaigai River. The presiding deities are Meenakshi, a form of Parvati, and her consort, Sundareshwar, a form of Shiva. The restored complex now houses 14 gopurams (gateway towers), ranging from 4550 m in height, with the southern gopura tallest at 51.9 m (170 ft). The complex has numerous sculpted pillared halls such as Ayirakkal (Thousand pillared hall), Kilikoondumandapam, Golumandapam and Pudemandapam.

### Vandiyur Mariamman Teppakulam

Mariamman Teppakulam is a beautiful square tank spread over a huge area of almost 16 acres, located about 4 km East of Meenakshi Temple in Madurai city. The tank is the scene of the colourful float festival held in January/ February to celebrate the birth anniversary of King Thirumalai Nayak, who built this tank. On the northern side of the tank, a temple is dedicated to Mariamman, a famous village deity of Tamil Nadu.



### Samanar Hills

This almost 2000-year-old hill complex is one of the few surviving places where Jain monks lived and practiced their faith. There is a hilltop cave inscribed with Jain sayings and sculptures. It is a popular trekking location loved for the challenging hike that takes one to the top.

### Thirumalai Nayak Palace

Built in 1635 during the reign of King Thirumalai Nayak as his residence, this palace presents a beautiful amalgamation of Dravidian and Islamic architectural styles. Built by an Italian architect, this palace is worth exploring, especially by those who like history and architecture. It has been later renovated in 1866-1872.





## OTHER ACCOMMODATION OPTIONS

We are delighted to host you for the upcoming international conference. As you plan your visit, we understand the importance of your comfortable and convenient accommodations with food. To assist you, we have curated a list of top hotels of Madurai city offering a range of amenities to suit your needs and make your stay pleasant around the Periyar Bus Stand and nearby to our University.

### Hotel Madurai Residency

It is a 3-star hotel located close to the Meenakshi Amman Temple, providing modern facilities and a convenient location for both leisure and business travelers. It is approximately 13 km from Madurai Kamaraj University. Visit the link for further details: <https://www.madurairesidency.com/>

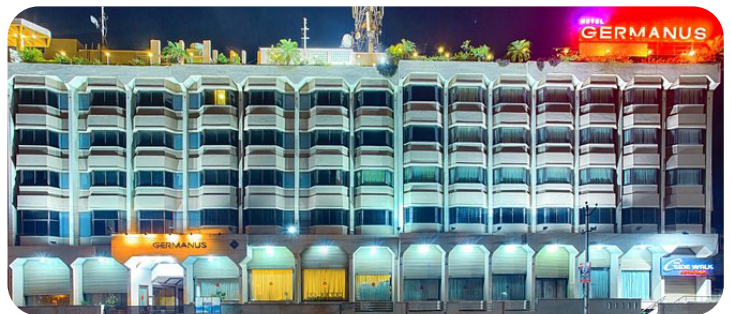


### Hotel Royal Court

It is situated on West Veli Street and is a centrally located 3-star hotel with premium facilities, making it ideal for visitors seeking a convenient stay. It is approximately 13 km from the Madurai Kamaraj University. Visit the link for further details: <https://royalcourtindia.com/>

### Hotel Germanus

It is 10.5 km away from the University. This centrally located hotel provides well-furnished rooms, a multi-cuisine restaurant. It is a contemporary establishment with up-scale services and amicable hospitality. Visit the link for further details: <https://germanushotels.com/madurai/>



### Hotel Heritage

It is located at Melakkal Main Road, Madurai which is approximately 8.4 km from the Madurai Kamaraj University. This luxury hotel offers spacious rooms, heritage-style interiors and beautiful green surroundings. It's ideal for those seeking comfort and tranquility. Visit the link for further details: <https://heritagemadurai.com/stay/>



## CONTACT

Convenor

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Chairperson

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Madurai Kamaraj University

Madurai - 625 021

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