

2<sup>nd</sup> INTERNATIONAL CONFERENCE

ON

SOCIOECONOMIC IMPACT OF POLLUTION IN WATER BODIES AND REMEDIAL MEASURES  
(ICPWRM-2025)



सत्यमेव जयते

As a Part of



Scheme for Promotion of Academic and Research Collaboration

Scheme for Promotion of Academic and Research Collaboration (SPARC)  
A Government of India initiative

Jointly Organized by



Teesside  
University



Kongunadu Arts and Science College (Autonomous), Coimbatore, India.  
Teesside University, Middlesbrough, United Kingdom.  
Tamil Nadu Agricultural University, Coimbatore, India.

In association with



Dr. M. Aruchami Research Foundation

on

06<sup>th</sup> and 07<sup>th</sup> JANUARY, 2025



Venue

KONGUNADU ARTS AND SCIENCE COLLEGE  
(Autonomous)

Re-accredited by NAAC with A+ Grade (4<sup>th</sup> Cycle)

College of Excellence awarded by UGC

52<sup>nd</sup> Rank among Colleges in NIRF 2024

Coimbatore - 641 029, Tamil Nadu, India.



## ABOUT THE COLLEGE

Kongunadu Arts and Science College, was established in the year 1973. The College has grown magnificently in academic stature with autonomous status having 13 Research Departments, 14 PG Departments and 24 UG Departments. Our College is a highly selective Institution that is consistently recognized as one of the top comprehensive Colleges in the Nation.

The University Grants Commission, New Delhi, conferred the Autonomous Status to our College in the academic year 2004 - 05. Recognizing the quality of teaching imparted in this college, the University Grants Commission has awarded the prestigious status of

College of Excellence. The College has been Re-accredited by NAAC with A+ Grade in 4<sup>th</sup> Cycle. In the NIRF Rankings 2024, our college has secured 52<sup>nd</sup> Rank.

Number of MoU's and Collaborative Research with Eminent Institutions across the globe is increasing every year which stands as proof of our Institution's Research caliber. The Institution's wide commitment to the development of innovative thinking in a culture of collaboration makes the learners an ideal venue for sharing ideas about futuristic research, which connects academics across disciplines and cultures.

## ABOUT THE SPARC

The Scheme for Promotion of Academic and Research Collaboration (SPARC) is a Ministry of Human Resource Development initiative that aims to improve the research ecosystem of India's Higher Educational Institutions by facilitating academic and research collaborations between Indian Institutions and the best institutions in the world. This scheme will improve the research ecosystem of India's higher educational institutions by facilitating academic and research collaborations between Indian Institutions (overall top-100 or category-wise top-100 in NIRF) and the best institutions in the world (top-500 overall and top-200 subject-wise institutions listed in QS World University Ranking) from 28 selected nations to jointly solve problems of national and international relevance. As per the criteria mentioned above, 254 top Indian Institutes and 478 top-ranked global Institutes have been already identified.

A set of 5 Thrust Areas (Fundamental Research, Emergent Areas of Impact, Convergence, Action-Oriented Research and Innovation-Driven) and sub-theme areas in each thrust area have been identified for collaboration under SPARC based on emergent relevance and importance for the nation.

This Scheme is expected to have a major impact in providing the best international expertise to address major national problems, expose Indian academicians to the best collaborators abroad, enable international faculty to stay in India for a longer duration, provide Indian students an opportunity to work in the world-class laboratories, to develop strong bilateral relationships in research, and improve the international ranking of Indian Institutes.

Our College being continuously ranked among top 100 colleges in NIRF Rankings every year, SPARC has recognized our Institution by sanctioning a Major Research Project titled 'Socio-economic Analysis of textile effluent pollution impact in Noyyal river and Exploration of Remediation through Algae and Graphene membrane' in collaboration with University of Exeter, United Kingdom. During the first year of this project, PI from India visited University of Exeter, United Kingdom and shared his knowledge. PI and Co-PI from UK visited our Institution and shared their expertise in the International Workshop and International Conference. 128 articles submitted in the conference were published as Proceedings with ISBN.

## ABOUT THE CONFERENCE

Water bodies in recent decades have been highly polluted all over the world due to various factors like human influence, modern agronomical practices, industrial wastes etc., In countries like India, overpopulation and hence to cater the needs of the people, high-end technologies are being used which leads to the contamination of water bodies at an alarming level.

In this background, the proposed International Conference will be a platform for sharing knowledge and transferring the technologies developed to overcome the challenges and issues related to the pollution and

management of water bodies to researchers, administrators, policymakers, industrialists, and the common public.

Eminent Scientists, experts, and researchers across the globe in the area of management of water bodies are about to participate and deliberate the sessions. In addition, the programme will be more useful in sensitizing young researchers and budding scientists in the area of water pollution and possible eco-friendly control measures.

## CALL FOR PAPERS

We welcome the submission of original research papers from academicians, research scholars, and industry professionals in the following themes for **Hybrid Mode**



- Industrial effluent types and composition
- Impact of effluent on yield and quality of crop plants
- Influence of effluent over human society
- Social issues and challenges as influenced by industrial wastes and effluent
- Scientific input in the Bioremediation process
- Technological advancement for remedial measures
- Bioremediation through traditional knowledge and practices
- Culture, heritage and lifestyle changes due to aquatic pollution

- Modelling of water bodies to overcome toxicity
- Role of Nanoscience and Bioinformatics in aquatic pollution control
- Innovative technologies for water recycling and conservation
- Climate change and Water Management
- Impact of Water Pollution in Economic Growth
- Futuristic approach in Water Management to elevate the economy
- Role of AI in preserving Mother Nature
- Data Analysis to predict the hazardous factors that pollute the Water Bodies

Send your abstract to : [icpwr2025@kongunaducollege.ac.in](mailto:icpwr2025@kongunaducollege.ac.in)  
 Registration Link : <https://forms.gle/iTPbfYBHbuxTJuC5A>

### REGISTRATION FEE

For Indian Delegates	For Delegates from Abroad
UG Students	Rs. 300
PG Students	Rs. 500
Full Time Research Scholars	Rs. 750
Part Time Research Scholars / Faculty / Academicians	Rs. 1000
<b>Mode of Payment (NEFT)</b>	
Account Name	M/S KASC ICPWRM
Account Number	170701000019227
Name of the Bank	Indian Overseas Bank
Name of the Branch	Kavundampalayam (Kongunadu College)
IFSC Code	IOBA0001707
MICR Code	641020030
Branch Code	001707

### IMPORTANT DATES

- Last date for submitting Abstract along with registration : 22.12.2024
- Last date for submitting Full length Article : 31.12.2024
- Last date for registration (only participation) : 05.01.2025
- Conference Dates : 06<sup>th</sup> & 07<sup>th</sup>, January 2025

### JOURNAL PUBLICATION

The selected papers will be published in the peer-reviewed UGC CARE / Web of Science / Scopus Indexed Journal post-conference based on the decision of the Journal Editor.

The Publication Fee and the other details related to the Journal will be intimated to the authors. At least one of the authors should have registered and attended the conference.

### ORGANIZING COMMITTEE

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**Secretary and Director**

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**Chair Person**

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**Prof. Senthilarasu Sundaram**

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Assistant Professor of Biotechnology, KASC

**Dr. R. Mahendiran,**  
Professor of Renewable Energy, TNAU  
**Dr. M. Venkatachalam,**  
Assistant Professor of Mathematics, KASC  
**Dr. G. Vadivelan**  
Assistant Professor of Chemistry (PG), KASC

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## INTERNATIONAL ADVISORY COMMITTEE

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