



**INTERNATIONAL CONFERENCE
ON
SOCIOECONOMIC IMPACT OF POLLUTION IN WATER BODIES
AND REMEDIAL MEASURES
(ICPWRM -2023)**

as a part of

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

Jointly Organized by

**Kongunadu Arts and Science College (Autonomous)
Coimbatore**

and

**Indian Science Congress Association
Coimbatore Chapter**

on

18th December, 2023

Venue

**KONGUNADU ARTS AND SCIENCE COLLEGE
(Autonomous)**

Re-accredited by NAAC with A+ Grade (4th Cycle)
College of Excellence awarded by UGC
29th Rank among Colleges in NIRF 2023
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 28 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 4th Cycle. In the NIRF Rankings 2023, our college has secured 29th 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 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.

CALL FOR PAPERS

We welcome the submission of original research papers from academicians, research scholars, and industry professionals in the following themes:

- ✓ Industrial effluent types and composition
- ✓ Impact of effluent on yield and quality of crop plants

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.

Being ranked 29th in NIRF 2023, our college has been recognized by SPARC 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.

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.

- ✓ 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

- ✓ Influence of effluent over human society
- ✓ Social issues and challenges as influenced by industrial wastes and effluent
- ✓ Scientific input in the Bioremediation process

- ✓ Role of Nanoscience and Bioinformatics in aquatic pollution control
- ✓ Innovative technologies for water recycling and conservation

IMPORTANT DATES

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| Last date for submitting Abstract along with registration# | 10.12.2023 |
| Last date for registration (only participation) | 15.12.2023 |
| Conference Date | 18.12.2023 |

Send your abstract to
icpwr2023@kongunaducollege.ac.in

JOURNAL PUBLICATION

The selected papers will be published in the peer-reviewed 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.

Registration Link: <https://forms.gle/53T16GgJjfbWsYPx5>

REGISTRATION FEE

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| For Indian Delegates | A/C Name : M/S KASC ICPWRM |
| Students : Rs. 200 | A/C No. : 170701000019227 |
| Full Time Research Scholars : Rs. 300 | Bank : Indian Overseas Bank |
| Part Time Research Scholars : Rs. 500 | Branch : Kavundampalayam Kongunadu College |
| Faculty / Academicians : Rs. 500 | Branch Code : 001707 |
| For Delegates from Abroad | IFSC Code : IOBA0001707 |
| Delegates From Abroad : 50 USD | MICR Code : 641020030 |

MODE OF PAYMENT

SPEAKERS



Dr. Senthilarasu Sundaram
 Professor of Sustainable Energy Materials, Teesside University, United Kingdom.



Dr. David Ian Benson
 Associate Professor of Politics, University of Exeter, United Kingdom.



Dr. S. Marshal Anthoni
 Associate Professor and Head, Department of Mathematics, Anna University, Coimbatore.



Dr. K. Murugesan
 Professor and Head, Department of Environmental Science, Periyar University, Salem.



Dr. S. Senthil Kumar
 Principal Scientist, Central Electrochemical Research Institute, Karaikudi, Tamil Nadu.



Dr. S.R. Prabakaran
 Professor, Department of Biotechnology, Bharathiar University, Coimbatore.



Dr. K. Srinivasan
 Professor and Head, Department of Physics, Bharathiar University, Coimbatore.



Dr. Prashant R. Nair
 Asso.Prof. of Computer Science and Engineering and Head-IQAC, Amrita Vishwa Vidyapeetham, Coimbatore.



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Convenor ISCA, Coimbatore Chapter**Organizing Secretary****Dr. K. Muthukumar**, Asst. Prof. of Tamil and
Principal Investigator of SPARC Project - P2569**Coordinators****Dr. K. Saminathan**, Asst. Prof. of Chemistry
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Dr. G. Dhandapani, Asst. Prof. of Botany
Dr. A. U. Thangavelu, Asst. Prof. and Head(i/c)
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Dr. S. Raja, Asst. Prof. of Zoology
Dr. K. Karthika, Asst. Prof. of Botany
Dr. S. Sathishkumar, Asst. Prof. of Tamil
Dr. R. T. Narendhirakannan, Asst. Prof. of
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Dr. M. Vivek Prabu, Asst. Prof. of Mathematics
Dr. K. Kaviyarasu, Asst. Prof. of English
Dr. K. Nirubama, Asst. Prof. of Biochemistry
Dr. K. Velmurugan, Asst. Prof. of Zoology
Dr. B. Gokul, Asst. Prof. of Physics
Mr. N. Senthilkumar, Asst. Prof. of Computer
Technology
Dr. L. Kathirvelkumaran, Asst. Prof. and Head
Department of Computer Science with Data Analytics
Dr. G. Vadivelan, Asst. Prof. of Chemistry (PG)
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Dr. V. Elakkiya Asst. Prof. of Biotechnology
Dr. G. Srinivas, Asst. Prof. of Wildlife Biology**INTERNATIONAL ADVISORY COMMITTEE****Dr. Senthilarasu Sundaram**Professor of Sustainable Energy Materials
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Institute of Mechanical, Process & Energy
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Saint Joseph's University (SJU), USA.**Prof. Ismail Naci Cangul**,
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Bursa Uludag University, Turkey.**Dr. D. Dafik**, Professor of Mathematics,
University of Jember, Indonesia.**Prof. R. Ramamurthi**, Former Vice-Chancellor
Sri Venkateswara University, Andhra Pradesh.**Dr. S. Balakumar**, Professor
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Food Quality Testing Laboratory,
Tamil Nadu Agricultural University, Coimbatore.**Dr. S. Chandramohan**, Associate Professor,
Department of Physics and Nanotechnology,
SRM Institute of Science and Technology, Chennai.**FURTHER DETAILS****Dr. K. MUTHUKUMAR**Organizing Secretary, ICPWRM - 2023,
Assistant Professor of Tamil (Aided),
Kongunadu Arts and Science College (Autonomous),
Coimbatore - 641 029, Tamil Nadu, India.**Phone:** 0422-2642095 **Mobile :** (+91)77080 28564 / (+91)95975 10766**Web:** www.kongunaducollege.ac.in **E-mail:** icpwr2023@kongunaducollege.ac.in**Web URL:** <https://sites.google.com/kongunaducollege.ac.in/icpwr2023>