



The Institution of
Engineering and Technology



ICASME' 23

4th International Conference on

ADVANCES IN SUSTAINABILITY OF MATERIALS
AND ENVIRONMENT

25th & 26th May 2023
(Hybrid Mode)

Organized By

**Department of Civil Engineering
and
Department of Chemistry**



ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING

(An Autonomous Institution)

Accredited with 'A' Grade by NAAC

All UG Programs Accredited by NBA

Recognized under section 2(f) & 12(B) of UGC Act, 1956

All UG, MBA & MCA Programs Permanently Affiliated

Email : info@sxcce.edu.in Website : www.sxcce.edu.in

ABOUT SXCCE

St. Xavier's Catholic College of Engineering was started in 1998 and is being run by the Roman Catholic Diocese of Kuzhithurai. St. Xavier's Catholic College of Engineering (SXCCE) vibrates with the vision of "Creating a Technically Empowered Humane Society" by offering cutting edge Engineering and Managerial education to the rural youth of Tamil Nadu and beyond. SXCCE offers seven undergraduate programs in Engineering in the specializations of i)Artificial Intelligence and Data Science, ii)Civil Engineering, iii)Computer Science and Engineering, iv)Electrical and Electronics Engineering, v)Electronics and Communication Engineering, vi)Information Technology, and vii)Mechanical Engineering, and eight Engineering postgraduate programs in the specializations of i)Construction Engineering and Management, ii)Structural Engineering, iii)Computer Science and Engineering, iv)Power Electronics and Drives, v)Applied Electronics, vi)Communication Systems, vii)Medical Electronics, and viii)Energy Engineering, plus two postgraduate programs i)Master of Business Administration and ii)Master of Computer Applications. Seven departments, namely i)Civil Engineering, ii)Computer Science and Engineering, iii)Electrical and Electronics Engineering, iv)Electronics and Communication Engineering, v)Mechanical Engineering, vi)Physics and vii)Computer Applications are Anna University recognized research centers. The UG programs CE, CSE, EEE, ECE, IT and ME, and the PG programs MBA and MCA have permanent affiliation with Anna University, Chennai. The College is accredited with grade "A" by National Assessment and Accreditation Council (NAAC). The UG programs CE, CSE, EEE, ECE, IT and ME are accredited by National Board of Accreditation (NBA). The college is recognized under 2(f) and 12(B) of UGC Act 1956. The Institution was granted autonomous status by UGC and Anna University with effect from the academic year 2022-2023.

ABOUT THE DEPARTMENTS

The Department of Civil Engineering was started in 1999 to cater the growing needs of builders for our nation and to the world at large. The department offers Ph.D in Civil Engineering, PG programs in M.E. Structural Engineering and M.E. Construction Engineering and Management. The department has qualified and experienced faculty and latest instruments, equipment and software for imparting technical knowledge on par with international requirements. The department is accredited by NBA for the period from 2021 - 2024. The consultancy cell of the department is active in testing the quality of materials like concrete, brick, soil, water, bitumen, aggregates and steel reinforcement. The department also undertakes assignment with Govt. and private sectors.

The Department of Chemistry with its theory and laboratory programmes trains the learner in the basic chemical process and technologies. This would set the basics for the engineers who would require such fundamentals in order to glow as accomplished technocrats.

SCOPE OF THE CONFERENCE

To maintain a comfortable life in harmony with the environment and nature is the need of the hour, it is possible only through integration of technology, nature and human beings. International Conference on Advances in Sustainability of Materials and Environment (ICASME '23) provides an arena for scientists, research scholars, industrialists and students to exchange their novel ideas on the latest advances in science and technology for the sustainability of materials and environment. The Conference focuses on the interaction between the theoretical and practical applications in the given area. Also it will lead to collaborative R&D works and new project proposals with the end results of sharing knowledge among research scholars, industrialists, faculty members and students

CALL FOR PAPERS

Authors are invited to submit their original and unpublished research papers related to the given topics by the registration link.

SUBMISSION

The maximum number of pages is not restricted, but the word documents should be an A4 single column format with Times New Roman and font size 12 with 1.5 line spacing and less than 15% similarity.

PUBLICATION

For accepted papers, at least one author should register and present their papers. Selected papers will be published in conference proceedings with ISBN. All the accepted papers will be reviewed and further arrangements will be made to publish the selected papers in SCOPUS indexed and Web of Science journals (only papers presented in the conference will be considered for inclusion). The accepted articles will be published with additional article processing fee if any.

TOPICS

Original research and due papers are invited from academicians, researchers, PG students and industrialists. The topics of the conference include the following 7 technical tracks.

Environmental Science

- * Building and Environment
- * Water Resources and Management
- * Global Warming
- * Ecological Science

Material Science

- * Composite and Innovative Materials
- * Materials and Structures
- * Physical Metallurgy
- * Polymeric Materials

Civil and Building Science

- * Structural Engineering
- * Transportation and Geotechnical Engg
- * Construction Engg and Management
- * Remote sensing

Enhancing Communicative Skills Collaborative Learning

- * Interactive Communication
- * Communication and Social Sciences for Integrated Developments
- * Effective Communication for Building strong Business and Personal Relationships

Chemistry and Physical Science

- * Green Chemistry
- * Analytical Chemistry
- * Corrosion and Environment
- * Environmental Chemistry

Energy Efficient Technologies

- * Energy and Buildings
- * Nano Energy
- * Natural Energy
- * Renewable Energy

Mathematical Modeling and Soft Computing Techniques

- * Physical and Computing Models in Science and Technology
- * Optimization Techniques
- * Computation Mechanics & Soft Tools Development

IMPORTANT DATES

Last Date for Receipt of Full Paper : 15/05/2023

Online Registration Close : 19/05/2023

Conference Date : 25/05/2023 & 26/05/2023

REGISTRATION

Category	Indian Delegates	Foreign Delegates
Faculty, R&D Industrialist	INR 2000	USD 200
Research Scholars (Ph.D/Post Doc)	INR 1500	USD 150
Student (UG/PG/M.Phil)	INR 1500	USD 100
Delegates/Listeners (without paper presentation)	INR 500	USD 100

ONLINE REGISTRATION LINK



<https://forms.gle/rHVQbF6xZXcPiR4SA>

REGISTRATION DETAILS

E-Mail Address : icasme23@gmail.com

Payment Details

For accepted papers at least one author should register and present their papers. Demand draft to be drawn in favour of 'ICASME2023' St. Xavier's Catholic College of Engineering payable at Nagercoil, or through online payment.

Online Payment Link : <https://www.onlinesbi.com/sbicollect>

State of Corporate/Institution - Tamil Nadu

Type of Corporate/Institution - Educational Institution

Educational Institution's Name - ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING

Select Payment Category - Conference/Seminar/FDP

WEBSITE : <https://www.sxcce.edu.in/icasme23/>

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