

CHIEF PATRONS	NATIONAL ORGANIZING COMMITTEE	
Dr T. R. Paarivendhar , Honorable Founder & Chancellor Dr. R. Sivakumar , Chairman, SRM Group of Institutions Ramapuram Campus & Trichy Campus Mr. S. Niranjan , Co-Chairman, SRM Group of Institutions Ramapuram Campus & Trichy Campus	Prof. Ramesh Yamgar , General Secretary, ACT, Patkar College, Mumbai Prof. Harichandra A. Parbat , Treasurer, ACT, Wilson College, Mumbai Prof. Shraddha Sinha , Das National Institute of Technology and Management, Lucknow Prof. Prem Mohan Mishra , LNM University, Darbhanga, Bihar Prof. Raakhi Gupta , IIS University (Deemed University) Jaipur Prof. Wasudeo Gurnule , Formerly Kamala Nehru Mahavidyalaya, Nagpur Prof. Gitimoni Deka , Formerly Rangia College, Rangia, Assam Dr. Umesh Chandra Jain , Academic Heights Public School, Morena Prof. Subhash Prasad Singh , A. N. College, Patna Dr. Mannam Krishnamurthy , Varsity Education Management Ltd., Hyderabad Prof. Ram Babu Pareek , Regional Institute of Education, NCERT, Ajmer Prof. Sudesh Ghoderao , RNC Arts, JDB Commerce and NSL Science College, Nashik Prof. Surabi Sarmah , Nalbari College, Nalbari, Assam Prof. Vijendra Singh , IRS, IPS Academy, Indore Prof. Pradhyuman Singh Ranawat , Mohanlal Sukhadia University, Udiapur	
PATRONS	LOCAL ORGANISING COMMITTEE	
Dr. C. Muthamizhselvan , Vice Chancellor Dr. S. Ponnusamy , Registrar Dr. N. Sethuraman , Chief Director, Ramapuram & Trichy campuses Dr. K. Kathiravan , Director (Admissions), Ramapuram & Trichy campuses Dr. R. Karthikeyan , Director (Research), Ramapuram & Trichy campuses Dr. K. V. Narayanan , Associate Director, Ramapuram Dr. M. Sakthi Ganesh , Dean (E & T), Ramapuram Dr. C. Ravichandran , Asst. Director, Ramapuram Dr. Ballika J. Chellaiah , Vice Principal (Admin) Dr. Rama Chaitanya Tanguturi , Vice Principal (Academic) Dr. M. Roopa , Vice Principal (Research)	-SRMIST, Ramapuram Dr. A. Anand Babu Christus Dr. S. Arulmurugan Dr. K. S. Yoganand Dr. K. Hema Dr. S. Ushanandhini Dr. B. Senthil Dr. S. Vasthi Gnanarani Dr. C. Jayashree Dr. G. Venkat Kumar Dr. J. Daisyrani Dr. K. Manikandan Dr. A. Shalini Dr. G. Kaladevi	
CONVENERS	Dr. G. Nithya Dr. S. Ida Dr. S. Sowmya Dr. E. Pandian Dr. K. Sampathkumar	
Prof. Helen P. Kavitha , HOD, Department of Chemistry SRM Institute of Science and Technology, Ramapuram, Chennai Prof. D. V. Prabu , Former Head, Department of Chemistry, Wilson College, President, Association of Chemistry Teachers, Mumbai	Research scholars: Mrs. D. Lohita Mr. Sai Leelakrishna Ms. R. Jeotthсна Mr. N. Sanjay Ms. K. Yuvasri Mr. S. Gokul	
CO-CONVENERS	OBJECTIVES OF THE CONFERENCE	
Dr. P. Arthi , SRMIST, Ramapuram Dr. T. V. Rajendran , SRMIST, Ramapuram	<ul style="list-style-type: none"> To convene global experts, academics, industry professionals, and policymakers to critically examine the role of smart materials in enabling a sustainable, low-carbon future. To catalyze both international and national collaborations within smart materials research and clean energy innovation landscapes. To showcase recent technological breakthroughs and their practical deployments in renewable energy, green chemistry, environmental remediation, and sustainable manufacturing. To provide early career researchers and students with opportunities to disseminate their research, engage with established leaders in the field, and expand professional scientific networks. To enhance interactions among policy, industry, and academia, thereby facilitating the progression of laboratory research towards scalable industrial implementation. 	
INTERNATIONAL ADVISORY COMMITTEE	QR CODES	
Prof Santiago Gomez Ruiz , URJC, Mostoles, Spain Prof. Ponnadurai Ramasami , University of Mauritius, Mauritius Prof. Myong Yong CHOI , Gyeongsang National University, Gyeongnam South Korea Dr Amir Karton , The University of Western Austrlia, Australia Prof. Yeap Guan Yeow , Universiti Sains, Malaysia Prof. Sanjay Mathur , University of Cologne, Cologne, Germany Prof. Silke Christiansen , Fraunhofer Institute for Ceramic Technologies and Systems (IKTS), Germany Dr. Sivaranjani Arumugam , XeedQ GmbH, Leipzig Germany	For abstract submission 	For registration 
NATIONAL ADVISORY COMMITTEE		
Prof. P. K. Sai Prakash , Formerly Osmania University, Hyderabad Prof. Sudha Jain , University of Lucknow, Lucknow Prof. S. D. Samant , UM-DAE Centre for Basic Sciences, University of Mumbai, Mumbai Prof. Dibakar C. Deka , Vice-Chancellor, Mizoram University, Mizoram Dr. R. Ratheesh , Director, C-MET, Hyderabad Prof Brijesh Pare , Madhav Science College (PG), Ujjain Prof Hemant Pande , Hislop College, Nagpur Prof M Swaminathan , Kalasalingam Academy of Research and Education, Krishnankoil, Tamil Nadu Prof. S. Anandan , NIT, Trichy Dr. A. Subramania , Pondicherry University, Pondicherry Prof. C.V.S. Brahmmananda Rao , MSSMC& Metal Fuel Cycle Group, IGCAR, Kalpakkam Prof. N. Ramanathan , Metal Fuel Cycle Group, IGCAR, Kalpakkam Dr. B. R. Venkatraman , Periyar E.V.R Govt. College, Tiruchirappalli Dr. A. Jafar Ahamed , Jamal Mohamed College, Tiruchirappalli Dr. D. Saravanan , National College, Tiruchirappalli		



CHENNAI RAMAPURAM
SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)



INTERNATIONAL CONFERENCE
ON
SMART MATERIALS FOR
INNOVATION IN LOW CARBON
ENERGY AND ENVIRONMENT
(SMILE - 2025)



12th and 13th December, 2025

ORGANIZED BY
DEPARTMENT OF CHEMISTRY,
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, RAMAPURAM,
CHENNAI
&
ASSOCIATION OF CHEMISTRY TEACHERS (ACT), MUMBAI


NAAC
A++

THE WORLD UNIVERSITY RANKINGS
(2025) World Ranking
one among 91 Indian Universities


Category 1
with 12B Status

SHANGHAI RANKING
(2025) World Ranking
Ranked 8-9 in Indian Universities


NIRF
(2025)
Ranked 11th University

NATURE INDEX
(2025) World Ranking
one among 18 Indian Universities


QS
(2026) World Ranking
one among 54 Indian Universities

Green Metric
(2024) World Ranking
one among 3 Indian Universities

ABOUT SRMIST	ABOUT THE CONFERENCE	IMPORTANT DATES				
SRM Institute of Science and Technology is one of the top-ranking universities in India with over 52,000 full time students and more than 3200 faculty across all the campuses - Kattankulathur, Ramapuram, Vadapalani Campus – all in and around Chennai, and Modinagar, NCR, Delhi - offering a wide range of undergraduate, postgraduate and doctoral programs in six Faculties – Engineering & Technology, Management, Medicine & Health sciences, Science & Humanities, Law and Agricultural Sciences. SRMIST has been accredited by NAAC with the highest grade 'A++' in its 4 th cycle by NAAC in 2024 and valid for next seven years. SRMIST is placed in Category I with 12 B statuses by MHRD-UGC. SRMIST has been ranked among nationally under Universities Category by NIRF (National Institutional Ranking Framework) in 2025. It regularly gets ranked by world ranking agencies like QS (UK) and Times Higher Education (UK). The QS university world ranking of SRMIST lies in the band of 1001-1200 which shows the popularity and performance of SRMIST all over the world.	The escalating global demand for energy, coupled with the imperative to address climate change, has necessitated a strategic transition towards low-carbon energy systems and the adoption of environmentally sustainable technologies. Within this context, smart materials engineered to exhibit dynamic responses to external stimuli are emerging as pivotal components in the advancement of renewable energy generation, energy storage solutions, pollution mitigation technologies, waste remediation strategies, and the realization of circular economic models. India’s national initiatives including the commitment to achieve Net Zero emissions by 2070, the National Green Hydrogen Mission, the National Solar Mission, and Mission Life (Lifestyle for Environment) underscore the urgency for integrative platforms that bridge academic research, industrial practice, and policy formulation. The forthcoming International Conference on Smart Materials in Innovation in Low Carbon Energy and Environment is designed to address this gap by establishing a forum for international and national stakeholders. This event aims to facilitate the exchange of scholarly and technical knowledge, foster collaborative research and technological innovation, and expedite the transfer of laboratory-scale advancements to industrial and societal applications.	• Submission of Abstract Deadline : 8 th November 2025 • Notification of Acceptance : 13 th November 2025 • Registration Deadline : 13 th November 2025 • Full length Article Deadline : 23 th November 2025				
		CONFERENCE VENUE				
		TRP Auditorium, SRMIST, Ramapuram, Chennai, Tamilnadu.				
ABOUT RAMAPURAM CAMPUS	THRUST AREAS	REGISTRATION FEE & ACCOMODATION DETAILS				
The Faculty of Engineering & Technology and Management Studies of SRM University started functioning at Ramapuram Campus in the academic year 2004 -2005. Ramapuram campus offers UG programmes in 9 branches of Engineering. It also offers B.Arch., BCA, B.Com, B.Sc. CSE, Bio-Tech, Visual Communication and Film Technology programs. PG programmes are offered in MBA and MCA. Ph.D. programmes are also offered in the campus. Ramapuram campus, situated within the city has won worldwide recognition and public acceptance. More than 10,000 students are pursuing their studies in the campus which is equipped with excellent laboratories, teaching aids and library. SRM boasts of more than 400 dedicated faculty members		Category	Early Bird till 13 th November 2025	After Deadline till 5 th December 2025		
		Research Scholar	₹1000	₹1500		
		Faculty / Scientist	₹1500	₹2000		
		Industry persons	₹2000	₹3000		
	PG Student	₹750	₹1500			
International Participants	\$100	\$200				
ABOUT THE DEPARTMENT OF CHEMISTRY	➤ Smart and Functional Materials ➤ Nanostructured and bio-inspired materials ➤ Advanced polymers, composites, and hybrid systems ➤ Self-healing and responsive materials ➤ Low-Carbon and Renewable Energy Innovations ➤ Energy storage: batteries, supercapacitors, and thermal storage ➤ Artificial photosynthesis and CO ₂ utilization technologies ➤ Smart adsorbents and catalysts for pollution control ➤ Materials for wastewater treatment and desalination ➤ Green Manufacturing and Circular Economy ➤ Sustainable synthesis routes for smart materials ➤ Waste to wealth technologies ➤ Life-cycle assessment of low-carbon materials ➤ AI-driven design of smart materials ➤ Digital twins for energy and environment solutions ➤ Predictive modelling and machine learning in material science	Name of Account: SRMIST Account No.: 117109000032971 Name of Bank & Address: CITY UNION BANK, Bharathi salai, Ramapuram, Chennai-89 Registration charges can also be paid in the form of DD/Multi city cheque to be drawn in Favor of “SRMIST”, payable at Chennai. RTGS/NEFT/IFSC: CIUB0000517 Quoting Purpose of Fund: SMILE-2025 registration Registration link: https://tinyurl.com/SMILE2k25 For abstract submission: https://forms.gle/pU4EEicQQQGo5tNk8 For Accommodation: Accommodation will be provided in hotels nearby SRMIST, Ramapuram, Chennai on payment basis. For further details: <div><div>Dr. T. V. Rajendran, Assistant Professor, Mobil: 8838534707</div><div>Dr. B. Senthil, Assistant Professor, Mobil: 9940659448</div></div>				
The Department of Chemistry at the Ramapuram campus is focused on imparting knowledge in the applied aspects of Chemistry to the budding engineers through quality teaching, besides promoting research activities and consultancy. The Department offers Ph.D. programme and research scholars are actively involved in research. Faculty members of the department are actively engaged in diverse research activities, including publishing research papers in reputed journals, presenting papers in conferences and filing patents. The department also maintains strong collaborations with industries and R&D laboratories to promote translational research and innovation. Notably an Indo-German research project is currently underway reflecting the Department’s global research engagement.		CALL FOR PAPERS		CONTACT DETAILS		
		Abstracts of research papers in the above thrust areas are invited for oral / poster presentations. The abstract must be restricted to 300 – 500 words. The name of the presenting author should be underlined and corresponding author indicated by an asterisk. The abstract should be neatly typed in Times New Roman, 12 points with 1.5 line spacing. The participants will be intimated about the acceptance of their abstracts through email. An Abstract book will be published during the conference. Abstracts should be submitted online to smartmaterials25@gmail.com by 8 th November 2025. Publication: The selected articles will be published in peer reviewed journals.	Conveners			
			PROF. HELEN P. KAVITHA HOD, Department of Chemistry, SRM Institute of Science & Technology Ramapuram, Chennai - 89 Mobile :+91 9445209116		PROF. D.V. PRABHU President, Association of Chemistry Teachers, Mumbai Mobile : +91 9870226899	
			FOR MORE DETAILS: smartmaterials25@gmail.com OR +91 8838534707/9840870403			
ABOUT ACT						
The Association of Chemistry Teachers was launched in 2000 to serve as an apex national body of chemistry educators to promote excellence in chemistry education. The idea of formulating ACT was conceptualized by Homi Bhabha Centre for Science Education (TIFR), Mumbai. The Association brings together on a common platform higher secondary school teachers, college and university lecturers, professors, scientists, and researchers from industry for organizing subject-related activities. Since its inception, ACT has worked tirelessly to strengthen chemistry education in India and to motivate students to pursue chemistry as a career. This year marks the Silver Jubilee of ACT, celebrating its sustained commitment and remarkable journey in advancing chemistry education across the nation						