

International Conference on Recent Innovations in Advanced Materials (ICRAM'26) organized by the Department of Chemistry, SAS in association with the Institute of Physical Sciences, National Autonomous University of Mexico and Cheng Shiu University, Taiwan during 8- 10 July 2026 – Schedule

Day	Time (IST)	Session	Speakers	Title Plenary / Keynote / Invited Lectures	Session Chair and Co-chair	Venue	
7 th July 2026 Tuesday	2 PM – 6 PM	Preconference workshop on XRD, SEM, TG-DSC, and materials modelling and analysis by computational methods	Dr. Turbasu Sengupta, VIT-AP Dr. Shailja Jain, VIT-AP Dr. S Dasaradha Rama Rao, VIT-AP	Live demonstration of XRD, SEM, TG-DSC, and workshop on materials modelling by computational methods	Dr. S Dasaradha Rama Rao, VIT-AP Dr. Turbasu Sengupta Dr. Shailja Jain, VIT-AP	CIF LAB-CB G19A AB2 Gallery Hall 212	
	7.30 PM–9.00 PM	Arrival, welcome drink and dinner					Guest house & SAC 2 nd Floor
8 th July 2026 Wednesday	07.45 AM - 08.45 AM	Breakfast					Guest house & SAC 2 nd Floor
	07.30 AM - 09.15 AM	Registration					AB2 Ground Floor
	09.30 AM - 10.30 AM	Inauguration	Chief Guest: Dr. Juan Carlos Hidalgo Cuellar, ICF-National Autonomous University of Mexico (UNAM), Mexico Guest of Honour: Prof. S. Sampath, Indian Institute of Science (IISc), India Guest of Honour: Prof. Swapan K. Pati, JNCASR, India Guest of Honour: Prof. Hugo Olvera Vargas, UNAM, Mexico			AB2 Auditorium	
	10.30 AM - 10.45 AM	Tea Break					AB2 Auditorium
	10.45 AM-11.30 AM	Plenary Lecture 1	Prof. S. Sampath, Indian Institute of Science (IISc), India	Layered chalcogenides, polymers and molecular assemblies in electrochemical energy conversion and storage.	Dr. Juan Carlos Hidalgo Cuéllar Dr. Kogularasu Sakthivel	AB2 Auditorium	

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8 th July 2026 Wednesday	11.30 AM - 12.05 PM	Keynote Lecture 1	Prof. Hugo Olvera Vargas, National Autonomous University of Mexico (UNAM), Mexico	Electro- and photoelectrocatalytic materials for wastewater treatment and resource recovery: opportunities and challenges	Dr. Pratheep Kumar Dr. Mohan Kumar Kesarla	AB2 Auditorium
	12.05 PM - 12.30 PM	Invited Lecture 1	Prof. Raviraj Vankayala, IIT Jodhpur, India	Harnessing the magic of invisible light for healthcare applications	Dr. Naveen Kumar Reddy Bogireddy, UNAM Dr. Prabhakaran Thandapani	AB2 Auditorium
	12.30 PM- 12.55 PM	Invited Lecture 2	Prof. K.S. Suresh, IIT Roorkee, India	Stability of strength and microstructure via defect engineering	Prof. Hugo Olvera Vargas, UNAM Prof. K. Senthil	AB2 Auditorium
	12.55 PM- 01.50 PM	Lunch				Guest house & SAC 2 nd Floor
	02.00 PM- 02.45 PM	Plenary Lecture 2 (Online)	Prof. Maximilian Fichtner, Helmholtz Institute Ulm (HIU), Germany	Next-generation battery materials	Prof. Shobit Omar, IIT Kanpur Dr. Dasari Bosu Babu	AB2 Auditorium
	02.45 PM- 03.20 PM	Keynote Lecture 2 (Online)	Prof. Nilesh Chodankar, Khalifa University, United Arab Emirates	Zinc ion energy storage system: Old technology brings new value	Prof. Annamalai Senthil Kumar Dr. Sangeeta Adhikari	AB2 Auditorium
	03.20 PM - 03.35 PM	Tea Break				AB2 Auditorium
	03.35 PM- 05.15 PM	Oral Presentations		Prof. K. Senthil (AB2 212) Parallel session 1 Dr. Raviraj Vankayala, IIT Jodhpur		AB2 Gallery Halls 212 and 215

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				Prof. Annamalai Senthil Kumar (AB2 215) Parallel session 2 Dr. Sangeeta Adhikari			
	05.30 PM- 06.30 PM	Poster presentations		Prof. Shobit Omar, IIT Kanpur Prof. R Paramasivam		AB2 1 st & 2 nd Floor	
	06.30 PM- 07.45 PM	Cultural event & Group Photo					AB2 Auditorium
	07.45 PM- 09.00 PM	Dinner					Guest house & SAC 2 nd Floor
9 th July 2026 Thursday	08.00 AM- 08.45 AM	Breakfast					Guest house & SAC 2 nd Floor
	09.15 AM- 10.00 AM	Plenary Lecture 3 (Online)	Prof. Do-Heyoung Kim, Chonnam National University (CNU), Republic of Korea	Atomic Layer Deposition (ALD) in Advanced Materials Design: Expanding Beyond Integrated Circuit Technologies	Prof. K.S. Suresh, IIT Roorkee Dr. Sangeeta Adhikari	AB2 Auditorium	
	10.00 AM- 10.35 AM	Keynote Lecture 3	Prof. Shobit Omar, IIT Kanpur, India	Functional separator engineering for improved room-temperature sodium– sulfur batteries	Dr. Pratheep Kumar Dr. S Dasaradha Rama Rao	AB2 Auditorium	
	10.35 AM- 10.50 AM	Tea Break					AB2 Auditorium
	10.50 AM- 11.25 AM	Keynote Lecture 4	Prof. Annamalai Senthil Kumar, VIT Vellore, India	Advanced surface imaging using scanning electrochemical microscopy: Mapping catalyst-active sites in interdisciplinary research	Dr. Triveni R. Mandlimath Dr. Debakanta Tripathy	AB2 Auditorium	

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9 th July 2026 Thursday	11.25 AM – 11.50 AM	Invited Lecture 3	Prof. R. Arockia Kumar, NIT Warangal	Friction stir processing: A versatile route for designing high-performance structural and functional alloys	Dr. Tathagata Kar, UNAM Dr. Kogularasu Sakthivel	AB2 Auditorium
	11.50 AM – 12.15 PM	Invited Lecture 4	Prof. Anantharaj Sengeni, IIT Kanpur, India	Intentional and eccentric electrochemical activation strategies for high-performance Ni-Fe OER electrodes	Dr. Illa Ramakanth Dr. A V Narendra Kumar	AB2 Auditorium
	12.15 PM - 12.45 PM	Invited Lecture 5	Prof. Sandip Mandal, Chosun University, Republic of Korea	MOF-integrated photocatalysts for rapid and efficient solar-driven antibiotic degradation via electron transfer engineering	Dr. Muthu Prabhu S Dr. Turbasu Sengupta	AB2 Auditorium
	12.45 PM- 01.45 PM	Lunch				Guest house & SAC 2 nd Floor
	02.00 PM- 02.45 PM	Plenary Lecture 4	Prof. Swapan K. Pati, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), India	Computational modelling of molecules and materials for applications in energy conversion and storage	Dr. Shailja Jain Dr. Koteswara Rao Gorantla	AB2 Auditorium
	02.45 PM- 03.20 PM	Keynote Lecture 5 (Online)	Prof. S Vasudevan, CSIR-CECRI, India	Green hydrogen: Spotlighting of recent innovations, challenges, and future insights	Dr. Anantharaj Sengeni Dr. Moru Satyanarayana	AB2 Auditorium
	03.20 PM- 03.35 PM	Tea Break				AB2 Auditorium
	03.35 PM- 03.55 PM	Invited Lecture 6	Shri Hemant Prakash, Agnihotri Scientific Officer, BRNS	Collaborative & Coordinated Research Projects for DAE Programme	Dr. Pratheep Kumar Dr. Kogularasu Sakthivel	AB2 Auditorium

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9 th July 2026 Thursday	03.55 PM- 04.15 PM	Invited Lecture 7	Dr. Harilal Bhaskar, Chief Operating Officer and National Coordinator of I-STEM	Empowering advanced materials research through the I-STEM national portal: Resources, collaboration and innovation.	Dr. Triveni R. Mandlimath Dr. Dripta De Joarder	AB2 Auditorium
	04.15 PM- 04.35 PM	Invited Lecture 8	Dr. Athul Seshadri Ramanujam Technical Expert & Engineer, Biologic	Comprehensive solutions for fundamental electrochemical research and advanced applications.	Dr. Rajarshi Sarkar Dr. Soumyakanta Prusty	AB2 Auditorium
	04.35 PM- 04.55 PM	Invited Lecture 9 (Online)	Dr. Prathapa Siriyara Jagannatha, Application Scientist, Single Crystal-XRD Bruker	Unlocking challenging crystal structures with next-generation laboratory crystallography	Dr. Paramasivam R Dr. Chalasani Rajesh	AB2 Auditorium
	05.00 PM- 06.40 PM	Oral and Poster presentations		Dr. Sandip Mandal (AB2 Auditorium) Parallel session 1 Dr. Nallamuthu S Prof. Annamalai Senthil Kumar (AB2 212) Parallel session 2 Dr. Tufan Ghosh Prof. K.S. Suresh (AB2 215) Parallel session 3 Dr. Shailja Jain Prof. Virendra Kumar Verma (Posters) Parallel session 4 Prof. K. Senthil	AB2 Auditorium, Gallery Halls 212 and 215 AB2 1 st and 2 nd Floors	
	07.30 PM- 08.30 PM	Dinner				Guest house & SAC 2 nd Floor

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10 th July 2026 Friday	08.00 AM- 08.45 AM	Breakfast					Guest house & SAC 2 nd Floor
	09.15 AM- 10.00 AM	Plenary Lecture 5 (Online)	Prof. Vivek Polshettiwar, Tata Institute of Fundamental Research (TIFR), India	How can sunlight be turned into action against climate change?	Dr. Mohan Kumar Kesarla Dr. Pratheep Kumar		AB2 Auditorium
	10.00 AM- 10.25 AM	Invited Lecture 10	Dr. Satya Srinivas Bokka, Carl Zeiss India	Unlocking value with ZEISS microscopy: One platform, multiple applications	Dr. M. Muneeswaran Dr. Manas Ranjan Dash		AB2 Auditorium
	10.25 AM – 10.50 AM	Invited Lecture 11	Dr. Mangesh Mahajan, Malvern Panalytical India	In-situ in-operando XRD to understand battery cell performance	Dr. Sudharshan Vadnala Dr. Naga Prasad Puvvada		AB2 Auditorium
	10.50 AM- 11.05 AM	Tea Break					AB2 Auditorium
	11.05 AM- 11.50 AM	Keynote Lecture 6 (Online)	Prof. Ravi Kumar, IIT Madras	Investigation of magnesium and calcium titanate composites at microwave frequencies for wide band dielectric resonator applications	Dr. Prabhakaran Thandapani Dr. S Dasaradha Rama Rao		AB2 Auditorium
	11.50 AM- 12.35 AM	Keynote Lecture 7 (Online)	Dr. Sailaja Krishnamurthy, Senior Principal Scientist, CSIR- National Chemical Laboratory (NCL), India	Boosting the CO ₂ reduction activity of Cu double atom catalysts through coordination environment engineering	Dr. Shailja Jain Dr. Gangadhar Pamarthi		AB2 Auditorium
	12.35 PM- 12.55 PM	Invited Lecture 12 ThermoFisher (Online)	Dr. Karthick Balasubramanian Thermo Fisher Scientific	Accelerating Materials Research Through Thermo Fisher	Dr. Bibhab Bandhu Mazumdar		AB2 Auditorium

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10 th July 2026 Friday				Scientific's End-to-End Characterization Workflow	Dr. V V Sreenivasu M	
	12.55 PM- 02.00 PM	Lunch				Guest house & SAC 2 nd Floor
	02.00 PM- 02.45 PM	Plenary Lecture 6 (Online)	Prof. Johannes Kästner, Professor, University of Stuttgart (USTUTT), Germany	Transferable and uniformly accurate interatomic potentials	Dr. Shailja Jain Dr. Sandhya Sadanandan	AB2 Auditorium
	02.45 PM- 03.20 PM	Keynote Lecture 8 (Online)	Prof. Zhenyou Li, Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences	Cathode materials for magnesium and calcium batteries	Dr. Dasari Bosu Babu Dr. T Ramana	AB2 Auditorium
	03.20 PM- 03.35 PM	Tea Break				AB2 Auditorium
	03.35 PM- 04.30 PM	Valedictory, Feedback, Prize Distribution, Group Photo, Departure				AB2 Auditorium