

**INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS
FOR CLEAN ENERGY AND HEALTH APPLICATIONS (AMCEHA 2023)**

19th & 20th September 2023

PROGRAMME SCHEDULE

DATE	TIME	PROGRAMME		
19.09.2023 Tuesday (Day 1)	08.00 am to 09.00 am	Registration		
	09.00 am to 11.00 am	Inaugural function VENUE: Auditorium, Coimbatore Institute of Technology (CIT)		
	11.00 am to 11.30 am	Tea break		
	11.30 am to 12.00 pm	Plenary Talk I (<i>Conference Hall - Library Block</i>) <i>Session Chair: Dr. M. D. Kannan</i> Speaker: Prof. Kamal Mustafa , University of Bergen, Norway Title of talk: From bench to chairside: Stem cells in bone augmentation		
	12.00 pm to 12.30 pm	Plenary Talk II (<i>Conference Hall - Library Block</i>) Speaker: Prof. Satoshi Uchida , The University of Tokyo, Japan Title of talk: New impact of perovskite & dye-sensitized solar cells		
	12.30 pm to 01.30 pm	Lunch break		
		INVITED TALKS		
		Conference Hall - Library Block	QIP Hall (IT Block – 211)	
	01.30 pm to 01.50 pm	<i>Session Chair: Dr. Velaug Myrseth Oltedal</i> Invited Talk I Speaker: Prof. R.M.G. Rajapakse University of Peradeniya, Sri Lanka Title of talk: Holistic approach to reducing carbon footprint	<i>Session Chair: Dr. M. Jeyanthinath</i> Invited Talk II Speaker: Prof. P. Ravirajan & Prof. Ms. M. Senthilnathanan, University of Jaffna, Sri Lanka Title of talk: TiO ₂ Nanomaterials for Solar Energy Conversion and Environmental Remediation Applications with special reference to Transition Metal doped TiO ₂	
01.50 pm to 02.10 pm	Invited talk-III Speaker: Prof. Ganesh Datt Sharma , LNM IIT, Jaipur, India Title of talk: Recent advances in fullerene free organic solar cells: materials and device Physics and applications	Invited talk-IV Speaker: Dr. K. Pirapaharan , University of Jaffna, Sri Lanka Title of talk: Operational experience of the first floating solar pilot plant in Sri Lanka		

02.10 pm to 02.30 pm	Invited talk-V Speaker: Prof. Vajeeston Ponniah University of Oslo, Norway Title of talk: Machine learning-enabled design of high-energy content cathode materials for Li and Na ion batteries	Invited talk-VI Speaker: Prof. S. Balakumar University of Madras, Chennai, India Title of talk: Phase dependent bioactive materials towards biomedical applications		
02.30 pm to 02.50 pm	Invited talk-VII Speaker: Prof. Ruwan D. Jayasinghe University of Peradeniya, Sri Lanka Title of talk: Nano dentistry-the future of dentistry	Invited talk-VIII Speaker: Prof. Noel Jacob, National Institute of Technology, Calicut, India Title of talk: Developing polymeric membranes for energy and health care applications		
02.50 pm to 03.05 pm	Tea break			
	Conference Hall - Library Block	QIP Hall (IT Block – 211)	QIP Hall (IT Block – 212)	QIP (IT Block - 213)
	<i>Chair: Dr. T. S. Senthil</i>	<i>Chair: Dr. R. Azarudeen</i>	<i>Chair: Dr. Yulia Skåtun</i>	<i>Chair: Dr. V. G. Kalpana & Dr. R. Rajalakshmi</i>
	Advanced Functional materials	Health	Simulation	Engineering Materials and Technology & Advanced Functional Materials
03.05 pm to 04.30 pm	ORAL PRESENTATIONS			
	AFM – 101, 105, 106, 107, 108, 110, 111, 113, 114, 115, 116, 117, 118.	HL – 101, 104, 107, 108, 109, 110, 111, 113, 114, 117, 118, 119	SM – 101, 107, 108, 109, 110, 113, 114, 115, 116, 117, 118, 119, 121, 122, 123	EMT - 102, 103, 114, 120, 122, 123, 124 & AFM – 119, 120, 125, 126, 128, 174
04.30 pm to 05.00 pm	RAPID FIRE PRESENTATIONS			
	AFM 102, 103, 104, 109, 112, 121, 122, 123, 124, 127, 131, 135, 137, 138, 139, 141, 142.	HL 102, 103, 105, 106, 112, 115, 116, 123, 130, 131, 133, 142, 143, 145, 147 & AFM 145, 147, 150, 153, 154.	SM 102, 103, 104, 105, 106, 111, 112, 120, 124 & AFM 155, 156, 158, 159, 160, 161, 162.	EMT 101, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 115, 116, 117, 118, 119, 121.
05.00 pm to 05.45 pm	POSTER PRESENTATIONS (AUDITORIUM)			

Date	Time	PROGRAMME		
20.09.2023 Wednesday (Day 2)	09.00 am to 09.30 am	Plenary Talk III (<i>Conference Hall - Library Block</i>) <i>Session Chair: Dr. R. Balasundaraprabhu</i> Speaker: Prof. Vigneswaran , University of Technology Sydney, Australia Title of talk: Selective recovery of rare earth elements and valuable metals from mining wastewater using functionalized nanomaterials		
	09.30 am to 10.00 am	Plenary Talk IV (<i>Conference Hall - Library Block</i>) Speaker: Dr. Smagul Karazhanov , Institute for Energy Technology, Norway Title of talk: Thin films of oxidized yttrium hydride		
		INVITED TALKS		
		Conference Hall - Library Block	QIP Hall (IT Block – 211)	
	10.00 am to 10.20 am	<i>Session Chair: Dr. S. Prasanna</i> Invited talk – IX Speaker: Prof. G.R.A. Kumara , National Institute of Fundamental Studies, Sri Lanka Title of talk: The recent development of eco-friendly supercapacitors	<i>Session Chair: Dr. V. M. Sivakumar</i> Invited talk- X Speaker: Jonathan Økland Torstensen Western Norway University of Applied Sciences, Norway	
	10.20 am to 10.40 am	Invited talk – XI Speaker: Dr. Sutharsini Ubenthiran , University of Jaffna, Sri Lanka Title of talk: Sintering as a fabrication technique for 3Y-TZP ceramics	Invited talk- XII Speaker: Dr. A. Arun , Alagappa University, Karaikudi, India Title of talk: Biobased research and developments in bioelectricity and biohydrogen production	
	10.40 to 11.00am	Tea break		
		Conference Hall - Library Block	QIP Hall (IT Block – 211)	QIP Hall (IT Block – 212)
		<i>Chair: Dr. R. Yuvakumar</i>	<i>Chair: Dr. K. V. Hemalatha</i>	<i>Chair: Dr. V. Sasirekha</i>
		Advanced Functional materials	Health	Hydrogen
	11.00 am to 12.00 pm	ORAL PRESENTATIONS		
		AFM 129, 130, 132, 133, 134, 136, 140, 143, 144.	HL 120, 121, 122, 124, 125, 126, 127, 128, 129, 132, 134, 135.	HD -101, 102, 103, 104, 106, 107, 108, 109, 110, 111, 113, 114
	RAPID FIRE PRESENTATIONS			
12.00 am to 12.30 pm	AFM 164, 165, 166, 167,168, 171, 172,182, 184,185, 186, 187, 188, 189, 190, 192, 194	AFM 197, 198, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 213, 214, 215.	HD 105, 112, 115, 116 SLR 102, 103, 107, 108, 109, 112, 113, 115, 117, 121, 125, 126, 129	

12.30 pm to 01.30 pm	Lunch break		
	INVITED TALKS		
01.30 pm to 01.50 pm	Conference Hall - Library Block		QIP Hall (IT Block – 211)
	Invited talk – XIII <i>Session Chair: Prof. Meena Senthilnathanan</i> Speaker: Prof. Sudip Kumar Batabyal , Amrita Viswa Vidyapeetham, Tamilnadu, India Title of talk: Simultaneous power generation and water treatment using solar energy		Invited talk- XIV <i>Session Chair: Dr. R. Yuvakkumar</i> Speaker: Dr. M. Thanihaichelvan , University of Jaffna, Sri Lanka Title of talk: Carbon nanotube and graphene field effect transistors for electronic biosensors
01.50 pm to 02.10 pm	Invited talk – XV Speaker: Dr. Amalraj Peter Amalathas University of Jaffna, Sri Lanka Title of talk: Suppressing light-induced phase segregation in mixed halide perovskites		Invited talk- XVI Speaker: Dr. Vallaiappan Raman , CIT, India Title of talk: Detection of small colorectal polyps using Artificial Intelligence model
	Conference Hall - Library Block		QIP Hall (IT Block – 211)
	<i>Chair: Dr. K. Pirapaharan</i>		<i>Chair: Dr. M. Thanihaichelvan</i>
	Advanced Functional materials		Health
02.10 pm to 03.00 pm	ORAL PRESENTATIONS		
	AFM 146, 148, 149, 151, 152, 157, 163, 169, 170	HL 136, 137, 138, 139, 140, 141, 144, 146, 148.	SLR 101, 104, 105, 106, 110, 111, 114, 116, 118, 119.
3 to 3.15 pm	Tea break		
03.15 pm to 04.00 pm	ORAL PRESENTATIONS		
	Conference Hall - Library Block		QIP Hall (IT Block – 211)
	<i>Chair: Dr. R. Shankar</i>		<i>Chair: Dr. K. Suresh</i>
	AFM 173, 175, 176, 177, 178, 179, 180, 181		AFM 183, 191, 193, 195, 196, 199, 200, 212,
	SLR 120, 122, 123, 124, 127, 128		
4.00 pm to 05.00 pm	Valedictory function		