



18th International Congress on Thermal Analysis and Calorimetry

ICTAC 2024



PROGRAMME SCHEDULE



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**18th International Congress on
Thermal Analysis and Calorimetry (ICTAC 2024)**
02-07 September 2024, IIT Madras, India



Programme Schedule



1 Sept 2024 (Day: -1)					
Time (IST)		Hall - II			
15:30	18:30	ICTAC Executive committee meeting			
2 Sept 2024 (Day: 0)					
Time (IST)		Hall - II	Hall - IV		
9:00	12:00	ICTAC Council meeting			
12:00	13:00	Registration			
13:00	13:45	Lunch Break			
		Session 1			
13:45	14:15	SATAC IL 01 N B Singh	ESTAC Council meeting		
14:15	14:45	SATAC IL 02 Namdeo Gajbhiye			
14:45	15:15	SATAC IL 03 Arun Pratap			
15:15	15:45	SATAC IL 04 Ranjit Verma			
15:45	16:15	SATAC IL 05 Ramesh L Gardas			
16:15	16:45	SATAC IL 06 Jitendra Sangwai			
16:45	17:00	Concluding Remarks			
3 Sept 2024 (Day: 1)					
Time (IST)		Main Auditorium	Hall - I	Hall - II	Hall - III
8:00	9:00	Registration			
9:00	10:15	Inauguration			
10:15	10:30	Tea Break			
		Session 1A			
10:30	11:30	Robert Mackenzie Award lecture Jiri Malek			
11:30	12:20	TA instrument ICTAC Award Chi-Min Shu			
12:20	13:05	PL – 01 Peter Šimon			
13:05	13:45	Lunch Break			

13:45	13:50	Session 2A	Session 1B	Session 1C	Session 1D			
13:50	13:55	PL - 01 (Track 1) Nand Kishore	OP - 1 (Track 4) YO	OP - 1 (Track 6) SO	OP - 1 (Track 2) SO			
13:55	14:00		ITS AL – 01 Dharmendra Singh			OP - 2 (Track 4) YO	OP - 2 (Track 6) YO	OP - 2 (Track 2) SO
14:00	14:05			OP - 3 (Track 4) YO	OP - 3 (Track 6) YO	OP - 3 (Track 2) YO		
14:05	14:10			OP - 4 (Track 4) YO				
14:10	14:15			ITS AL – 02 Jyoti Rathee	OP - 5 (Track 4) YO	OP - 58 (Track 1) YO	Session 2D	
14:15	14:20	OP - 6 (Track 4) YO			Session 2C			OP - 1 (Track 1) SO
14:20	14:25	Session 3A	OP - 7 (Track 4) YO		OP - 1 (Track 3) SO	OP - 2 (Track 1) SO		
14:25	14:30		Session 2B				OP - 2 (Track 3) YO	OP - 3 (Track 1) SO
14:30	14:35		ITS AL – 03 Vasim R Shaikh		OP - 1 (Track 5) SO	OP - 3 (Track 3) YO		
14:35	14:40			OP - 2 (Track 5) YO	OP - 4 (Track 3) YO		OP - 5 (Track 1) YO	
14:40	14:45			ITS AL – 04 T Vasantha		OP - 3 (Track 5) YO		OP - 5 (Track 3) SO
14:45	14:50	OP - 4 (Track 5) YO						
14:50	14:55	IL - 44 (Track 10) SIL Sinjan Choudhary						
14:55	15:00							
15:00	15:05							
15:05	15:10							
15:10	15:15							
15:15	15:20	Extended Tea Break						
15:20	15:25	Poster Presentations (Track 1, Track 6, Track 8, Track 10)						
15:25	15:30	Session 4A		ITS EC meeting and General Body Meeting	ICTAC General Assembly			
15:30	15:35	Industry slot – 01						
15:35	15:40	Industry slot - 02						
15:40	15:45							
15:45	15:50							
15:50	15:55	Industry slot - 03						
15:55	16:00							
16:00	16:05							
16:05	16:10							
16:10	16:15							
16:15	16:20							
16:20	16:25							
16:25	16:30							
16:30	16:35							
16:35	16:45	Extended Tea Break						
16:45	17:30	Poster Presentations (Track 1, Track 6, Track 8, Track 10)						
17:30	17:35	Session 4A		ITS EC meeting and General Body Meeting	ICTAC General Assembly			
17:35	17:40	Industry slot – 01						
17:40	17:45	Industry slot - 02						
17:45	17:50							
17:50	17:55							
17:55	18:00	Industry slot - 03						
18:00	18:05							
18:05	18:10							
18:10	18:15							
18:15	18:20							
18:20	18:25							
18:25	18:30							

18:30	19:15	Workshop of the ICTAC Thermodynamics & Thermochemistry committee			Workshop of the ICTAC Kinetics committee
19:15 onwards		Cultural Program and Dinner (OAT - Open Air Theatre, IIT Madras)			

4 Sept 2024 (Day: 2)					
Time (IST)		Main Auditorium	Hall - I	Hall - II	Hall - III
9:00	9:45	Session 5A PL – 02 Andrei Rotaru			
9:45	10:30	PL – 03 Stefano Vecchio Cipriotti			
10:30	11:00	Rigaku-ICTAC Young Scientist Award Jipeng Luo			
11:00	11:15	Tea Break			
11:15	11:20	Session 6A	Session 3B	Session 3C	Session 3D
11:20	11:25	ICTAC Promising Researcher Award Birgit Mets	OP - 1 (Track 7) SO	OP - 1 (Track 8) YO	OP - 6 (Track 1) SO
11:25	11:30		OP - 2 (Track 7) YO	OP - 2 (Track 8) YO	OP - 7 (Track 1) SO
11:30	11:35				
11:35	11:40				
11:40	11:45	ICTAC TG AL – 01 Tadas Dambrauskas	OP - 3 (Track 7) YO	OP - 3 (Track 8) YO	OP - 8 (Track 1) SO
11:45	11:50				
11:50	11:55				
11:55	12:00	ICTAC TG AL – 02 Kylian Hallavant	OP - 4 (Track 7) YO	OP - 5 (Track 5) YO	OP - 9 (Track 1) YO
12:00	12:05				
12:05	12:10				
12:10	12:15				
12:15	12:20	ICTAC TG AL – 03 Mito Hotta	OP - 5 (Track 7) YO	OP - 6 (Track 5) YO	OP - 10 (Track 1) YO
12:20	12:25				
12:25	12:30				
12:30	12:35	ICTAC TG AL – 04 Francesca Saitta	OP - 6 (Track 7) YO	OP - 7 (Track 5) YO	
12:35	12:40				
12:40	12:45				
12:45	12:50	Lunch Break			
12:50	13:45	Lunch Break			

13:45	13:50	Session 7A	Session 4B	Session 4C	Session 4D				
13:50	13:55	IL - 02 (Track 1) Sohel Murshed	OP - 8 (Track 4) YO	IL - 03 (Track 1) SIL Ajaya Battarai	IL - 27 (Track 5) Kinga Pielichowska				
13:55	14:00		OP - 9 (Track 4) YO			OP - 11 (Track 1) YO			
14:00	14:05		IL - 45 (Track 10) Arvind Kumar	OP - 10 (Track 4) YO			OP - 12 (Track 1) YO	IL - 28 (Track 5) Debashis Chakraborty	
14:05	14:10			OP - 11 (Track 4) YO		OP - 13 (Track 1) YO			
14:10	14:15			IL - 46 (Track 10) Homendra Naorem			OP - 12 (Track 4) YO		OP - 14 (Track 1) YO
14:15	14:20	OP - 13 (Track 4) YO			OP - 15 (Track 1) YO				
14:20	14:25	IL - 47 (Track 10) Sudhakar Dhondge				OP - 14 (Track 4) YO	OP - 16 (Track 1) YO		IL - 30 (Track 5) SIL Jayaramulu Kolleboyina
14:25	14:30		OP - 15 (Track 4) YO		OP - 17 (Track 1) YO				
14:30	14:35		IL - 48 (Track 10) Tamal Banerjee			OP - 16 (Track 4) YO	OP - 18 (Track 1) YO	IL - 31 (Track 5) SIL Yamini Sudha Sista	
14:35	14:40			OP - 17 (Track 4) YO					
14:40	14:45			IL - 48 (Track 10) Tamal Banerjee		OP - 16 (Track 4) YO	OP - 18 (Track 1) YO		
14:45	14:50	OP - 17 (Track 4) YO							
14:50	14:55	IL - 48 (Track 10) Tamal Banerjee				OP - 17 (Track 4) YO			Industry slot - 04
14:55	15:00		OP - 17 (Track 4) YO						
15:00	15:05		IL - 48 (Track 10) Tamal Banerjee			OP - 17 (Track 4) YO		Industry slot - 04	
15:05	15:10			OP - 17 (Track 4) YO					
15:10	15:15			IL - 48 (Track 10) Tamal Banerjee		OP - 17 (Track 4) YO			
15:15	15:20	OP - 17 (Track 4) YO							
15:20	15:25	IL - 48 (Track 10) Tamal Banerjee				OP - 17 (Track 4) YO			Industry slot - 04
15:25	15:30		OP - 17 (Track 4) YO						
15:30	15:35		IL - 48 (Track 10) Tamal Banerjee			OP - 17 (Track 4) YO		Industry slot - 04	
15:35	15:40			OP - 17 (Track 4) YO					
15:40	15:45			IL - 48 (Track 10) Tamal Banerjee		OP - 17 (Track 4) YO			
15:45	15:50	OP - 17 (Track 4) YO							
15:50	15:55	IL - 48 (Track 10) Tamal Banerjee				OP - 17 (Track 4) YO			Industry slot - 04
15:55	16:00		OP - 17 (Track 4) YO						
16:00	16:05		IL - 48 (Track 10) Tamal Banerjee			OP - 17 (Track 4) YO		Industry slot - 04	
16:05	16:10			OP - 17 (Track 4) YO					
16:10	16:15			IL - 48 (Track 10) Tamal Banerjee		OP - 17 (Track 4) YO			
16:15	16:30	Extended Tea Break							
16:30	17:15	Poster Presentation (Track 2, Track 3, Track 4, Track 5, Track 7)							
17:15	17:20	Session 8A	Session 5B		Session 5C	Workshop of the ICTAC Standards and Nomenclature committee			
17:20	17:25	IL - 37 (Track 8) Dimitrios Bikiaris	OP - 5 (Track 2) SO		OP - 19 (Track 1) YO				
17:25	17:30		IL - 38 (Track 8) SIL Deepak Kumar Ojha	OP - 6 (Track 2) YO	OP - 20 (Track 1) YO				
17:30	17:35				OP - 7 (Track 2) YO		OP - 21 (Track 1) YO		
17:35	17:40			IL - 51 (Track 10) SIL Sushma Ijardar			OP - 8 (Track 2) YO	OP - 22 (Track 1) YO	
17:40	17:45				IL - 51 (Track 10) SIL Sushma Ijardar			OP - 8 (Track 2) YO	OP - 23 (Track 1) YO
17:45	17:50	IL - 51 (Track 10) SIL Sushma Ijardar		OP - 8 (Track 2) YO			OP - 23 (Track 1) YO		
17:50	17:55		IL - 51 (Track 10) SIL Sushma Ijardar		OP - 8 (Track 2) YO		OP - 23 (Track 1) YO		
17:55	18:00	IL - 51 (Track 10) SIL Sushma Ijardar		OP - 8 (Track 2) YO			OP - 23 (Track 1) YO		
18:00	18:05		IL - 51 (Track 10) SIL Sushma Ijardar		OP - 8 (Track 2) YO		OP - 23 (Track 1) YO		
18:05	18:10	IL - 51 (Track 10) SIL Sushma Ijardar		OP - 8 (Track 2) YO		OP - 23 (Track 1) YO			
18:10	18:15		IL - 51 (Track 10) SIL Sushma Ijardar		OP - 8 (Track 2) YO	OP - 23 (Track 1) YO			
18:15	18:20	IL - 51 (Track 10) SIL Sushma Ijardar		OP - 8 (Track 2) YO		OP - 23 (Track 1) YO			
18:20	18:25		IL - 51 (Track 10) SIL Sushma Ijardar		OP - 8 (Track 2) YO	OP - 23 (Track 1) YO			
18:25	18:30	IL - 51 (Track 10) SIL Sushma Ijardar		OP - 8 (Track 2) YO		OP - 23 (Track 1) YO			
19:15 onwards			Dinner						

5 Sept 2024 (Day: 3)					
Time (IST)		Main Auditorium	Hall - I	Hall - II	Hall - III
9:15	9:45	Session 9A IL - 04 (Track 1) Zhiwu Yu			
9:45	9:50	IL - 05 (Track 1) Alfréd Kállay- Menyhárd	Session 6B	Session 6C	Session 5D
9:50	9:55		OP - 09 (Track 2) YO	OP - 24 (Track 1) YO	IL - 07 (Track 1) Amalendu Pal
9:55	10:00		OP - 10 (Track 2) YO	OP - 25 (Track 1) YO	
10:00	10:05				
10:05	10:10				
10:10	10:15	IL - 06 (Track 1) Vilko Mandić	OP - 11 (Track 2) YO	OP - 26 (Track 1) YO	IL - 08 (Track 1) Dilip Dagade
10:15	10:20		OP - 12 (Track 2) YO	OP - 27 (Track 1) YO	
10:20	10:25				
10:25	10:30				
10:30	10:35				
10:35	10:40				
10:40	10:45				
10:45	11:00	Tea Break			
11:00	11:05	Session 10A	Session 7B	Session 7C	Session 6D
11:05	11:10	IL - 49 (Track 10) SIL	OP - 13 (Track 2) YO	OP - 28 (Track 1) YO	IL - 09 (Track 1) Amiya Panda
11:10	11:15	Md. Sayem Alam	OP - 14 (Track 2) YO	OP - 29 (Track 1) YO	
11:15	11:20	IL - 50 (Track 10) SIL			
11:20	11:25		OP - 15 (Track 2) YO	OP - 30 (Track 1) YO	
11:25	11:30				
11:30	11:35		Sangesh Zodape		
11:35	11:40	IL - 52 (Track 10) SIL	OP - 16 (Track 2) YO	OP - 31 (Track 1) YO	IL - 55 (Track 10) Ranjan Dey
11:40	11:45				
11:45	11:50		Vickramjeet Singh		
11:50	11:55				
11:55	12:00				
12:00	12:05	IL - 53 (Track 10) SIL	OP - 17 (Track 2) YO	OP - 32 (Track 1) YO	OP - 01 (Track 10) YO
12:05	12:10	Ashwani Kumar Sood	OP - 18 (Track 2) YO	OP - 33 (Track 1) YO	OP - 02 (Track 10) YO
12:10	12:15				
12:15	12:20		IL - 54 (Track 10) SIL		
12:20	12:25	OP - 19 (Track 2) YO		OP - 34 (Track 1) YO	OP - 03 (Track 10) YO
12:25	12:30				
12:30	12:35	Poonam Patyar			
12:35	12:40	IL - 39 (Track 8) SIL	OP - 20 (Track 2) YO	OP - 35 (Track 1) YO	OP - 04 (Track 10) YO
12:40	12:45				
12:45	12:50		Meena Bisht		
12:50	12:55				
12:55	13:00				
13:00	13:15	Best poster announcement at main auditorium			
13:15	13:45	Lunch Break			
13:45	19:00	Trip to Mahabalipuram			
19:15 onwards		Dinner			

6 Sept 2024 (Day: 4)						
Time (IST)		Main Auditorium	Hall - I	Hall - II	Hall - III	
9:00	9:05	Session 11A	Session 8B	Session 8C	Session 7D	
9:05	9:10	IL - 10 (Track 1) Eswarmoorthy Muthusamy	OP - 08 (Track 5) YO	IL - 15 (Track 1) Riyazuddeen	IL - 32 (Track 6) Sarma Pisupati	
9:10	9:15					
9:15	9:20					
9:20	9:25					
9:25	9:30					
9:30	9:35	IL - 11 (track 1) Surianarayanan Mahadevan	OP - 10 (Track 5) YO	OP - 36 (Track 1) SO	IL - 33 (Track 6) SIL Poonguzhali Elamvazhuthi	
9:35	9:40					
9:40	9:45					
9:45	9:50					
9:50	9:55					
9:55	10:00	IL - 12 (Track 1) SIL M Hamsa Priya	OP - 11 (Track 5) YO	OP - 37 (Track 1) YO	IL - 20 (Track 3) Kamalika Sen	
10:00	10:05					
10:05	10:10					
10:10	10:15					
10:15	10:20					
10:20	10:25	IL - 13 (Track 1) SIL Santosh Deosarkar	OP - 12 (Track 5) YO	OP - 38 (Track 1) YO	IL - 21 (Track 3) Sujata Mandal	
10:25	10:30					
10:30	10:35					
10:35	10:40					
10:40	10:45					
10:45	10:50	IL - 14 (Track 1) SIL Pardha Saradhi Maram	OP - 13 (Track 5) YO	OP - 39 (Track 1) YO		
10:50	10:55					
10:55	11:00					
11:00	11:05					
11:05	11:15		Tea Break			
11:15	11:20	Workshop of the ICTAC Education committee	Session 9B	Session 9C	Session 8D	
11:20	11:25		OP - 16 (Track 5) YO	OP - 42 (Track 1) YO	OP - 06 (Track 3) SO	
11:25	11:30		OP - 17 (Track 5) YO	OP - 43 (Track 1) YO	OP - 07 (Track 3) YO	
11:30	11:35		OP - 18 (Track 5) YO	OP - 44 (Track 1) YO	OP - 08 (Track 3) YO	
11:35	11:40		Session 12A	OP - 19 (Track 5) YO	OP - 45 (Track 1) YO	OP - 09 (Track 3) YO
11:40	11:45					
11:45	11:50					
11:50	11:55					
11:55	12:00					
12:00	12:05	IL - 42 (Track 9) Arun Tangirala	OP - 20 (Track 5) YO	OP - 46 (Track 1) YO	OP - 10 (Track 3) YO	
12:05	12:10					
12:10	12:15					
12:15	12:20					
12:20	12:25					
12:25	12:30	IL - 43 (Track 9) Edamana Prasad	IL - 56 Ranjit K Verma	OP - 47 (Track 1) YO	OP - 11 (Track 3) YO	
12:30	12:35					
12:35	12:40					
12:40	12:45					
12:45	12:50					
12:50	12:55			OP - 48 (Track 1) YO	OP - 12 (Track 3) YO	
12:55	13:00					
13:00	13:05					
13:05	13:40	Lunch Break				

13:40	13:45	Session 13A	Session 10B	Session 10C	Session 9D								
13:45	13:50	IL - 22 (Track 4) Pannuru Venkatesu	OP - 4 (Track 8) YO	OP - 49 (Track 1) YO	IL - 34 (Track 7) SIL Sumit Bhawal								
13:50	13:55		OP - 5 (Track 8) YO	OP - 50 (Track 1) YO									
13:55	14:00				IL - 23 (Track 4) Dip Saikia	OP - 6 (Track 8) YO	OP - 51 (Track 1) YO	IL - 35 (Track 7) SIL Naved Malek					
14:00	14:05		OP - 7 (Track 8) YO	OP - 52 (Track 1) YO					IL - 36 (Track 7) SIL Purnima Talele				
14:05	14:10	IL - 24 (Track 4) Anima Nanda			OP - 8 (Track 8) YO	OP - 53 (Track 1) YO	IL - 16 (Track 1) Rama Nand Rai						
14:10	14:15		OP - 9 (Track 8) YO	OP - 54 (Track 1) YO									
14:15	14:20							IL - 25 (Track 4) Mahesh B	OP - 10 (Track 8) YO	OP - 55 (Track 1) YO	IL - 18 (Track 2) SIL Kogularasu Sakthivel		
14:20	14:25		OP - 11 (Track 8) YO	OP - 56 (Track 1) YO									
14:25	14:30	IL - 40 (Track 8) SIL Gaurav Pandey			OP - 12 (Track 8) YO	OP - 57 (Track 1) YO							
14:30	14:35		Industry slot - 05										
14:35	14:40												
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15:45	15:50												
15:50	15:55												
15:55	16:00												
16:00	16:15							Extended Tea Break					
16:15	16:20							Session 14A			Session 10D		
16:20	16:25		IL - 19 (Track 2) Kothandaraman Ramanujam					IL - 41 (Track 8) Rajnish Kumar					
16:25	16:30	IL - 17 (Track 01) G. Venkatarathnam							IL - 26 (Track 4) Sathyannarayana N. Gummadi				
16:30	16:35												
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17:05	17:10												
17:10	17:15												
19:15 onwards													

7 Sept 2024 (Day: 5)					
Time (IST)		Main Auditorium			
9:00	11:00	PANEL DISCUSSION AND VALEDICTORY			

Number	Name	Title of the presentation
PLENARY & AWARD LECTURES		
PL 01	Peter Šimon	Methods based on the general rate equation – applications and limits
PL 02	Andrei Rotaru	The generalized conversion functions for heterogeneous kinetics
PL 03	Stefano Vecchio Cipriotti	Thermodynamic and Kinetic Perspectives to Monitor the Competition Between Decomposition and Vaporization in Ionic Liquids
PL 04	Nand Kishore	Structure-Property-Energetics Relationships in Deriving Guidelines for Rational Drug Design: Thermodynamic Approach
RM Award	Jiri Malek	Universality of Master Plots in Thermal Analysis
TA-ICTAC Award	Chi-Min Shu	Critical safety challenges in Lithium-ion batteries: An examination thermal runaway and fire behaviors
Rigaku ICTAC Award	Jipeng Luo	Design and Construction of a Refrigerator-Cooled Adiabatic Calorimeter for Heat Capacity Measurement in Liquid Helium Temperature Region
ICTAC Promising Award	Birgit Mets	Thermal analysis and calorimetry as tools for assessing the properties of different oil shales and their conversion products
ITS AL 01	Dharmendra Singh	Emerging prospective of role of solvents in biological process
ITS AL 02	Jyoti Rahee	Unravelling Thermodynamics Signatures Accompanying Binding of Protein to Lipid Nanoparticles: A Spectroscopic and Calorimetric Analysis
ITS AL 03	Vasim R Shaikh	Study of Molecular Interactions for the Supramolecules in Aqueous, Aqueous–Drug and Aqueous–KBr Solutions at 298.15 K
ITS AL 04	T Vasantha	Thermodynamic Characterization of the Structural Basis for the Enhanced Solubility, Stability of Protein Model Compounds and Peptide Backbone Unit in Ammonium Based Ionic Liquids
ICTAC TG AL 01	Tadas Dambrauskas	Calcium Silicate Hydrates with Intercalated Transition Metal Ions: Preparation Techniques, Thermal Properties, and Applications
ICTAC TG AL 02	Kylian Hallavant	Influence of chemical composition and structure on the cooperative fluctuation in supercooled glass-forming liquids
ICTAC TG AL 03	Mito Hotta	Thermal Dehydration Kinetics of Copper(II) Sulfate Pentahydrate across Different Water Vapor Pressures
ICTAC TG AL 04	Francesca Saitta	Calorimetric and thermodynamic analysis of cowpea β -vignin: unveiling effects of seed germination on the conformation of a storage protein
SATAC INVITED LECTURES		
SATAC IL 01	N B Singh	Hydration of Blended cement in presence of nanomaterials
SATAC IL 02	Namdeo Gajbhiye	Reactivity and Thermo–Magnetic Spin Glass transition of Nano-Ferrites by Thermal Analysis and Calorimetry
SATAC IL 03	Arun Pratap	Crystallization Kinetics of Multi-component Metallic Glasses using Differential Scanning Calorimetry
SATAC IL 04	Ranjit K Verma	Understanding thermooxidative stress on Indian mustard oil during heating in air and impact of turmeric doping
SATAC IL 05	Ramesh L Gardas	Advanced Thermal Analysis of Ionic Liquids and Deep Eutectic Solvents for Sustainable Metal Recovery from Spent Batteries

SATAC IL 06	Jitendra S Sangwai	Enhanced carbon capture efficiency through additive-infused and amine-functionalized SiO ₂ nanoparticle formulations
ICTAC & ITS INVITED LECTURES		
Track 1		
IL 01	Sohel Murshed	A Critical Appraisal of Nanofluids Research and Development
IL 02	Ajaya Battarai	Exploring the Role of Aspartic Acid in Modulating Micellization Behavior of Cationic Cetyltrimethylammonium Bromide
IL 03	Zhiwu Yu	The formation of free-standing 2D crystals from amphiphilic species, the effect of counter ions
IL 04	Alfréd Kállay-Menyhárd	Predictive structure-property correlations in semicrystalline polymers
IL 05	Vilko Mandić	Innovative Techniques for Efficient Synthesis of Amorphous Nanoscale Materials for Ultrafast Thermal Analysis
IL 06	Amalendu Pal	Aggregation Behaviour of Amphiphiles in Aqueous Solutions of Various Additives
IL 07	Dilip Dagade	Water in Solvation Shell of Ionic Liquids: Thermodynamic, NIR Spectroscopic, Molecular Dynamics and DFT Investigations
IL 08	Amiya Panda	Thermodynamic analysis on the ionic liquid induced aggregation behavior of bile salts: An isothermal titration calorimetric approach
IL 09	Eswarmoorthy Muthusamy	Solar Thermoelectric Generator with Flexible Thermal Storage
IL 10	Surianarayanan Mahadevan	Significance of measuring metabolic heats in bioprocess monitoring
IL 11	M Hamsa Priya	Peptide Self-assembly -- A Hydrophobic Collapse?
IL 12	Santosh Deosarkar	Thermodynamic properties for understanding the molecular interactions in aqueous solutions of biomolecules and drugs
IL 13	Pardha Saradhi Maram	Structure and Thermochemistry of Functional Metal Oxides
IL 14	Riyazuddeen	Effect of molecular solvents on properties of imidazolium ionic liquid: Experimental and computational studies
IL 15	Rama Nand Rai	Phase diagram, Thermal, Structural and Optical Studies of newly synthesized Co-crystals
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IL 20	Sujata Mandal	Thermal and Calorimetric Analyses in the Research and Development of Flame-Retardant Materials
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IL 22	Dip Saikia	A review on the water absorption behavior of natural fibers

IL 23	Anima Nanda	Harnessing Green Nanotechnology for Industrial Solutions to Combat Antimicrobial Resistance
IL 24	Mahesh B	An insight into synthetic polypeptide-based blends with other polymers: Emerging trends and advances
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IL 38	Meena Bisht	Uncovering the potential of aqueous solutions of deep eutectic solvents on the extraction and purification of collagen type I from Atlantic codfish (<i>Gadus morhua</i>)
IL 39	Gaurav Pandey	Powering Tomorrow: Innovative Gas Hydrate Technologies for a Sustainable Future
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IL 47	Tamal Banerjee	Deep Eutectic Solvents as Novel Thermal and Separation Media: Insights from Quantum Chemical and Molecular Dynamics Simulations
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IL 50	Sushma Ijardar	Fundamentals and Applications of Aqueous Biphasic Systems Composed of Deep Eutectic Solvent
IL 51	Vickramjeet Singh	Thermodynamics and Wetting of Aqueous Solutions of Benign Solvents
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OP 8	Ion Mitsui	Thermophysical properties of thermal energy storage medium for battery cooling: Thermophysical properties of 2,5-dimethyl-2,5-hexanediol hydrates
OP 9	Ajeet Kumar Srivastav	Thermogravimetric analysis of hydrated vanadium oxide nanostructures
OP 10	Chandrashekhar Pandhurnekar	Solvation Behavior of Antidepressant Duloxetine Hydrochloride with Aqueous Myo-Inositol and different Amino acids solution
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OP 12	Ajit Kumar Parwani	Comparative analysis of cooling methods in wire arc additive manufacturing of steel plate
OP 13	Debayan Bhowmick	Double Diffusive Natural Convection within a Partially Saturated Porous Cavity Separated by a Wavy Interface: A Local Thermal Non-Equilibrium Approach
OP 14	Kamlesh Parmar	Effects of Inclination on Thermal Performance of Closed-Loop Pulsating Heat Pipes
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OP 16	Chandravid Kumar Yadav	Effect of Percentage of Methanol on Micellization Position of Mixed Surfactant Dye Interaction
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OP 20	Deepak Kumar	Effect of Zinc Additive on Thermal Transport Properties of Novel Multicomponent Chalcogenide Se-Te-Sn System: Transient Plane Source Technique
OP 21	Deepak V M	Thermodynamic model for pressure evolution during in-flight active pressurisation of liquid hydrogen tank of a cryogenic upper stage
OP 22	Anu Jain	Exploring properties of protein fibrils from self-assembly to drug delivery: Thermodynamic analysis
OP 23	T Srinivasa Krishna	Investigation of molecular interaction between 1-butyl-3-methylimidazolium hexafluorophosphate with Propyl acetate
OP 24	Brajesh Kumar Ahirwar	Unlocking Efficiency: A Comprehensive Review of Advanced Techniques for Optimizing Solar Air Heater
OP 25	Gizelle Rodrigues	Thermal performance analysis of an oval double-pipe heat exchanger in a porous medium using finite volume method
OP 26	Sanjay H. Panjabi	Enhanced Micellization and Structural Transformation in Morpholinium-Based Ionic Liquids with Aromatic Counterions

OP 27	Insha Akbar	Deciphering the binding interactions of anti-cancer drugs using spectroscopic techniques and in-silico studies
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OP 30	Md. Jamil Akhtar	Thermal management analysis of electric vehicles using low GWP refrigerants
OP 31	Mihir Pandya	Electro-Thermal Analysis of single LFP Cell
OP32	N. Hari Krishna	Thermophysical Properties, FT-IR and Computational studies on molecular interactions of Chlorobenzene with isomeric cresols
OP 33	Narendra Kolla	Excess thermodynamic study of binary mixtures of Benzyl alcohol with amides over entire miscibility range ($0 < x < 1$) at temperature 298.15 - 323.15 K
OP 34	Pinki mahur	Adsorption of amino acid on gold nanoparticles: a thermodynamic study
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OP 55	Ansalin Gnana Sowndarya	Study of Inorganic carbonate-based flame-retardants for leather application: special focus on thermal characterization
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OP 4	Anusha Gururajan	Pyrolysis of sesame stalk using non-isothermal thermogravimetric analysis: Thermo-kinetic studies using model-fitting and model free method
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OP 10	Govind Dubey	Thermal and Catalytic Liquefaction of Northeastern Indian Coals with Tetralin and Toluene: Kinetic Modelling, Mechanisms and Product Characterization
OP 11	Hemavathi S	Evaluation of Cooling Effectiveness for Cylindrical and Prismatic Batteries Using Oil Immersion Cooling System
OP 12	Khokan Sahoo	Pyrolysis of petroleum pitch: Thermogravimetric analysis and non-isothermal kinetics using the distributed activation energy model (DAEM)
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OP 16	Rishabh Mishra	Revealing the Augmentation of Surface Immobilization of Adsorbed Nickel Chalcogenate during Alkaline Water Oxidation
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OP 18	Venkatesan Subramanian	Impact of Injector Nozzle Variation on HCCI Engine Performance with Juliflora Biodiesel and Hydrogen Using Response Surface
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OP 15	Umamageshwar i Rajkumar	Isolation of Protease Enzyme from Fish Visceral Wastes and its Application in Leather Processing
OP 16	K. Kamalakannan	The state of the art of the development of Zinc based biodegradable materials- A brief review
OP 17	Vijayakumari.S	Crystallization kinetics to achieve Stoichiometric Combeite ($\text{Na}_2\text{Ca}_2\text{Si}_3\text{O}_9$) and Silicorhenanite ($\beta\text{-Na}_2\text{Ca}_4(\text{PO}_4)_2\text{SiO}_2$) Single Phasic Bioactive Glass System
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OP 4	P L Ramkumar	Thermal Analysis and Characterization of Natural Cellulosic Fiber from Azadirachta Indica and its Polymer Composites
OP 5	Asharani Maisnam	Investigation on possible use of Aloe Vera or mixed Aloe Vera hydrogels with gelatin or HPC as Iodophors and the controlled release of Iodine from the hydrogels
OP 6	Potshangbam Sorodhoni Devi	Study on the use of Aloe Vera gel, Gelatin, or their co-gels as templates for entrapment of Pb^{2+} , Cu^{2+} , or Fe^{2+} from their aqueous solutions

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OP 9	Keerthana A	Kinetic Analysis and Pyrolysis Behaviour of Polydimethylsilane using Evolved Gas and Thermal methods
OP 10	Devanshu Pathak	Covalent modification of Cellulose for selective extraction of Mercury (Hg^{2+}) and Lead (Pb^{2+})
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OP 12	Nabila Tabassum	Assessing the Structural, Mechanical and Thermal Properties of AlCoCrFeNi High Entropy Alloy for High Temperature Applications: Atomistic Simulations
OP 13	Omish Sethi	Thermally Stable, Mechanically Robust and Highly Conducting Eutectogels as Electrolytes for Supercapacitors
OP 14	Laishram Peter Singh	Synthesis of highly luminescent Eu^{3+} and Tb^{3+} -doped hexagonal-phase YPO_4 nanoparticles with tunable emission at ambient temperature
OP 15	Anat Ram Sidar	Synthesis of Hydrogen Bonded Copper(II) Coordination Polymer: Photocatalytic Degradation of Rose Bengal Dye and Luminescent Sensing of Hg^{+2} , $Cr_2O_7^{2-}$, and Nitrofurantoin
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OP 17	Rashmi Prabha	Characterization of conjugate between poly (N-vinyl caprolactam) and triazine-based covalent organic framework as potential biomaterial
OP 18	Sangamesh Suligavi	Investigation on the Performance of Nanofiber Coated Filter Media for Engine Applications
OP 19	Sanjay Mor	Unravelling the role of Gold nanoparticles modified by using ionic liquids having different anions on phase transition behaviour of PNIPAM-b-PACMO
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OP 3	Sinchan Hait	Examining CO_2 Capture in Hydrophobic Natural DES: Thermodynamic Properties and Environmental Screening
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OP 2	Debashree Das	Thymol encapsulated β -cyclodextrin for enhanced bio-efficacies

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OP 4	Swapnali S. Desai	Thermodynamic Investigation of Molecular Interactions for Biosensing of Creatinine using β -cyclodextrin
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OP 3	Kavithakani A	Process optimization and modelling for the ozonolytic degradation of Atrazine
OP 4	Loganathan T	Design and Development of Sustainable Sports Shoes Using Recycled Materials in Compliance with Testing Standards
OP 5	Nikhil Dev	Evaluation of Combustion Quality Index Using Graph Theory and Matrix Method
OP 6	Pranav Gupte	A theoretical exploration into the associations among enablers and sustainable manufacturing technologies
OP 7	Pratibha Sharma	Investigating the effect of temperature on carbon dioxide adsorption capacity of amine-modified clay
OP 8	Rajesh Chengamchetty Murali	Development of Leather Waste Composite Sheets as Sustainable Material for Upholstery Applications
OP 9	Sachind Prabha Padinhattath	Extractive Removal of Dyes from Industrial Effluent: A Circular Approach Employing Pseudoprotic Ionic Liquids
OP 10	Srinivasarao Kancharla	Solid Phase Recovery of Valuable Metals from Electronic Waste
OP 11	Vibhav Shukla	Fe-doped Zinc-MOF Composites and its Test-Strip Employed for Colorimetric Detection of Glucose in Model and Real Urine Samples
OP 12	Arumuga Perumal D	Numerical analysis of LiFePO ₄ battery wall temperature with air cooling using copper metal foam
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OP 3	Praseeda P Nair	Intermolecular interaction studies of DMSO/NMP+Water Systems at varying temperatures
OP 4	Suraz Kumar	Thermophysical properties of DES, Glyceline with C2-C4 alcohols at varying temperatures
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PP 02	Anoop Kishore Vatti	Thermal Conductivity and Stability of Cyrene Nanofluid using Molecular Dynamics Simulations

PP 03	Bhosale Bajrang	Investigation of component interaction in aqueous solution of Nicotinic acid solutions in presence of L- Serine: Volumetric, Acoustical, Viscometry and Optical properties studies.
PP 04	Brahamdeo yadav	Determination of Critical Micelle Concentration (CMC) of Sodium Stearate Solution in Different Temperature
PP 05	Tanujit Biswas	Novel observation of Negative heat capacity and Fragility threshold in AgI-Ag ₂ O-MoO ₃ glass
PP 06	Faraz P Junaid	Climate Chamber-Assisted Oil-Bath Calorimetry for Accurate Specific Heat Determination of Lithium-Ion Cells
PP 07	Vandana Shende	Volumetric and compressibility studies of antimycobacterial drug in aqueous and aqueous D-glucose solutions at various temperatures
PP 08	Rohidas Vyankatrao Dudhate	Investigation of volumetric, optical and transfer properties of ascorbic acid with different cosolutes at 303.15 K
PP 09	Atmaram Arsule	Density and Ultraacoustic Properties of Antibacterial Pyridoxine Hydrochloride and Neomycin Sulphate Drugs in Aqueous Carbamide Solutions at Different Temperatures
PP 10	Hrishikesh Pawar	Partial molar volumes, compressibilities and viscosities of Ranitidine Hydrochloride in aqueous-NaCl/sucrose solutions at 303.15 K
PP 11	Julfikar Hassan Mondal	Thermophysical properties of a newly synthesized cationic surfactant
PP 12	Malik Riahan Ahmad	Thermodynamic, transport and structural studies of Imidazolium Ionic liquids and Molecular solvents mixtures at (298.15 to 323.15) K and 0.1 MPa
PP 13	Sanjay Panjabi	Enhanced Micellization and Structural Transformation in Morpholinium-Based Ionic Liquids with Aromatic Counterions
PP 14	Nibedita Samanta	Influence of PbO on thermal behaviour of boro-tellurite glasses
PP 15	Anupama Rai	Biophysical Study to Investigate the Interaction of some of aminoglycosides with Mycobacterium tuberculosis G-quadruplex DNA
PP 16	Bala Karuna Kumar Doupati	Investigation of Molecular Interactions by Volumetric, Ultrasonic, Spectral and Computational Studies in Selected Binary Liquid Mixtures of 2-Chloro Ethanol over the Temperature Range 298.15 - 323.15 K
PP 17	Aswini A	A study on thermophysical, physicochemical, and surfaces properties of fatliquors
PP 18	Ion Mitsui	thermophysical properties of thermal energy storage medium for battery cooling: Thermophysical properties of 2,5-dimethyl-2,5-hexanediol hydrates
PP 19	Bignya Rani Dash	Impact of Carboxylate Anion Chain Length and Temperature on Physicochemical Properties of Butyrolactam based Protic Ionic Liquids.
PP 20	Chi-Min Shu	The effects of natural environmental storage on the aging rate and thermal hazard characteristics of firecrackers
PP 21	Chen-Rui Cao	Effects of adding various ionic liquids on the inflammability and thermal stability of industrial oils

PP 22	Aarzoo Ahuja	Thermo physical study on binary mixtures of Furfural and n-butyl acetate or isobutyl acetate or tert-butyl acetate at 298.15, 303.15 and 308.15 K.
PP 23	Rachana Singh	Experimental, theoretical and spectroscopic analysis of molecular interactions in binary liquid mixtures comprising 4-methyl-2-pentanol + CmH2m+1OCH2CH2OH (m = 2,3,4) at different temperatures
PP 24	Prerna Yogeshwar	Environmental sustainability and economic viability of Phase Change Materials
PP 25	Tangeda Savitha Jyostna	Thermodynamic and DFT studies between 1, 2-ethylenediamine and 1, 5-Pentanediol at T = (293.15 to 313.15) K
PP 26	Vandana Patel	Analysing the molecular interactions of KCl in 0.05 mol.kg ⁻¹ aqueous 1-methyl -3 Propylimidazolium Iodide at various temperatures through physicochemical studies
PP 27	Maddela Raji	Influence of methylene group and Effect of Temperature on Density, Speed of Sound, and Viscosity data of Haloarene with Linear alkanes
PP 28	Ankita Chandak	Exploring the Solvation Behavior of D-Glucose in Aqueous Imidazolium-based Ionic Liquid Solution at different Temperatures
PP 29	Rizos-Evangelos Bikiaris	Thermal properties of modified chitosan-based sponges with enhanced haemostatic properties for wound healing applications
PP 30	Rupesh Kumar Pradhan	Exploration of interactions between L - Aspartic acid and Saccharides in aqueous medium at T= (293.15-313.15) K: Physicochemical and Spectroscopic approach
PP 31	P. Shyamala	Kinetic and thermodynamic parameters of reactions in reverse micelles
PP 32	Guruprasad Hasolkar	Thermodynamic Studies of Ionic Interactions in Aqueous Solutions of Diethylammonium based Protic Ionic Liquids
PP 33	Haruka Abe	Observation of the α - β phase transition of quartz by differential scanning calorimeter
PP 34	Indrajit Das	Alternative Solvents for Efficient CO ₂ Capture: The Role of Basicity, Free Volume, and their Thermodynamic Properties
PP 35	P. Annapurna	Exploration of volumetric, optical, thermodynamic, FT-IR and DFT studies of binary mixtures of ethanoic acid with higher 1-alkanols at different temperatures
PP 36	Pranali Umredkar	Physicochemical Properties of Biogenic Monoamine Neurotransmitters: Volumetric, Viscometric and Thermoacoustic Investigations
PP 37	Dimitra A. Lambropoulou	Thermodynamics of Thermal Degradation of Poly(Ethylene 2,5-Furan Dicarboxylate) Nanocomposites for Food Packaging applications
Track 2		
PP 01	Sunita Rajamani	Ionic liquids as a dual solvocatlyst for esterification reactions
PP 02	Somenath Panda	Stability of Current Collectors in Ionic Liquid Electrolytes for Aluminum-Ion Batteries
PP 03	Kondepogu Devaiah	Redox Active Deep Eutectic Solvents (DES) For Energy Storage

PP 04	Vipul Ghare	Investigating the Effect of Nd^{+3} Substitution on the Supercapacitor Performance of Cobalt Copper Ferrites
PP 05	Vikas Kumar	Full solar spectrum active Fe-doped CuSe nanostructure for enhanced photocatalytic activity: Structural, optical and photocatalytic performance investigation
PP 06	Vipin Kumar	Adsorption of D-A'- π -A Carbazole dyes on TiO_2 surface for Dye-Sensitized Solar Cell Applications
PP 07	Praful Jambhule	Comparative study of photocatalytic degradation of dye using Fe_3O_4 using electromagnetic radiations of various energies
PP 08	Diksha Praveen Pathak	A Computational Study on Transition metal doped MOF-5 for Carbon Capture
PP 09	Matko Erceg	Kinetic analysis of the non-isothermal decomposition of PEO10/25A/LiBOB polymer nanocomposite electrolytes
PP 10	Luis Perez-Maqueda	Generalized interface reaction kinetic models for heterogeneous contracting processes
PP 11	Manisha Chakraborty	Effect of Reaction Atmosphere on the Thermal Decomposition of Iron(III) acetylacetonate Leading to Iron Oxide Nanoparticles
PP 12	Atsumi Miyake	Thermal stability of ammonia borane for alternative onboard hydrogen carrier
PP 13	Mito Hotta	Water Vapor Effects on the Physico-Geometrical Consecutive Process of the Thermal Dehydration of Sodium Carbonate Monohydrate
PP 14	Nobuyoshi Koga	Multistep Thermal Dehydration Kinetics of Geopolymer Pastes Prepared Using Different Active Fillers
PP 15	Konstantinos Chrissafis	Enhancing Thermal Analysis Precision: Exploring Isoconversional Methods for Accurate Data Evaluation
PP 16	Arpan Tewary	Enhancing Green H_2 Generation: The Role of Oxide-Nitride Interface Based Electrocatalysts
PP 17	Harikrishna R B	Nanoporous Samarium and Cerium-Based Metal-Organic Frameworks for Enhanced Photocatalytic Water Splitting
PP 18	Leela kumari Bodasingi	Kinetic study of the dissociation of $[\text{Co}(\text{tpy})_2]^{2+}$: Comparison between AOT/Heptane and CTAB/Chloroform/Hexane reverse micellar environments
PP 19	Shuto Yamada	Kinetics on the Thermal Degradation of Polyimide
Track 3		
PP 01	Rakesh Singh	Correlation between crystal structure parameters with optical, electronic, luminescent, and magnetic parameters of barium hexaferrite nanomaterials at controlled thermal temperature
PP 02	Manoj Kumar Adhikari	Exploring the Protective Effects of Surfactants against Corrosion: A Comprehensive Review
PP 03	Harsh Prajapati	PSf Membrane Impregnated Jute-Copper Nanocomposite as Efficient Heavy Metal Removal Material
PP 04	Mansi Patel	BDAPbI_4 Low-Dimensional Hybrid Perovskite Memristor: Breakthroughs in Artificial Synapses and In-Memory Computing
PP 05	Jeny Gosai	Enhanced Neuromorphic Performance with Control etched $\text{Ti}_3\text{C}_2\text{Tx}$ MXene Low-Voltage Operating Memristors
PP 06	Nadezda Malkova	Polyborazylene characterization: Determination of subsequent polymerization steps by DTA analysis
PP 07	Haruka Abe	Specific heat capacity measurement of silica glass by differential scanning calorimeter

PP 08	Rajasekar K	Green route synthesis, spectral characterization and crystal structure of $[\text{Cd}(4\text{-AAP})_2(\text{NO}_2)_2]$
PP 09	Somya Deep Dey	An analytical review of the current status and challenges in the development of inorganic phase change materials for thermal energy storage
Track 4		
PP 01	Ambika Kumaresan	Preparation and characterization of microencapsulated antimicrobial insock/footbed for foot comfort
PP 02	Vijayakumari S	Crystallization kinetics to achieve Stoichiometric Combeite ($\text{Na}_2\text{Ca}_2\text{Si}_3\text{O}_9$) and Silicorhenanite ($\beta\text{-Na}_2\text{Ca}_4(\text{PO}_4)_2\text{SiO}_2$) Single Phasic Bioactive Glass System
PP 03	Sweta Jha	Separation of 5-HMF from the Ionic Liquids Using Phenolic Solvents Using Molecular Dynamics Simulations
Track 5		
PP 01	Vincelet Jobikha A	Optical properties of Dy^{3+} doped tin borophosphate glass for radiation shielding applications
PP 02	Sangeetha D R	Superhydrophobic nanocomposites for coating leather and other surfaces
PP 03	Anat Ram Sidar	Synthesis of Hydrogen Bonded Copper(II) Coordination Polymer: Photocatalytic Degradation of Rose Bengal Dye and Luminescent Sensing of Hg^{+2} , $\text{Cr}_2\text{O}_7^{2-}$, and Nitrofurantoin
PP 04	Jaishree Sharma	Micro-textured ETFE for self-cleaning application
PP 05	Bhimarao Patil	Investigating Caesium Immobilization in $\text{BaAl}_2\text{Ti}_6\text{O}_{18}$: Synthesis, Characterization, and Leaching Studies
PP 06	Piotr Szatkowski	Evaluation of thermal properties of phase change materials modified with nanoadditives for solar energy harvesting applications
PP 07	Kinga Pielichowska	Bio-based carbon aerogels infiltrated with sugar alcohols as shape stabilized phase change materials
PP 08	Piotr Szatkowski	Enhancing the properties of phase change materials (PCMs) by carbon-based materials for electro-thermal conversion
PP 09	Chaitanya Gandhi	Molecular Dynamics Simulations Study on Structural and Thermodynamic Analysis of Mixtures of Oxidized and Unoxidized Forms of Polyaniline
PP 10	Johan Stanley Samuel Jayakaran	Synthesis and Characterization of Biobased multiblock copolymers: Poly(ethylene2,5-furandicarboxylate)- b -Poly(ϵ -caprolactone) targeting food packaging applications.
PP 11	Ignazio Blanco	Thermal Behavior of Low Density Polyethylene for Agricultural Applications
PP 12	Dimitrios Bikiaris	Zwitterion-modified chitosan derivatives for dental applications: Synthesis and thermal properties characterization
PP 13	Bindu Yadav	Unravelling the Stabilization Mechanism of Mono-, Di and Tri-Cholinium Citrate-Ethylene Glycol DESs towards α -Chymotrypsin for Preservation and Activation of the Enzyme
PP 14	Pooja Yadav P	Impact of imidazolium type Zwitter Ion Ionic Liquids on peroxidase activity and conformational stability of cytochrome c
PP 15	Pooja Yadav	Enhanced Thermoresponsive Behaviour in MXene-Embedded PVCL Composites: Lowered LCST and Potential Biomedical Applications
Track 6		

PP 01	Pratap Chhotaray	Study of Novel Surfactant Based Spectroscopically Active Ionic Liquids
PP 02	Yogendra Kumar Mishra	Nanoparticle assisted micro gelation enhanced carbon capture through modified amines using absorption from simulated flue gas stream
PP 03	Ramanaiah Seella	Conversion of fruit waste (banana peels) into bioplastic and its degradation by soil microorganisms
Track 7		
PP 01	Bajrang Lal	Design, Synthesis, and Studies (Antimicrobial Activity, Molecular Docking, and DFT) of Ampyrone linked Bis-triazoles
PP 02	Shaik Mahammad Rameez Arhan	Computational and Thermodynamic Analyses for Rapid Drug Repurposing: Insights into Viral Pandemics and Therapeutic Candidates
PP 03	Nandini Dave	Synthesis and Antifungal Activity of Some Coumarin-based 1,2,3-Triazole Derivatives: A Review
PP 04	Syed Tanweer Ahmed	Automation of thermal process safety information delivery
PP 05	Rahul Gupta	Repurposing Fluoroquinolone Drugs for the Treatment of Actinopathy-Induced Neurodegeneration
Track 8		
PP 01	Athira K K	Extraction of DNA using Ionic Liquid-based Aqueous Biphasic System
PP 02	M. Shaibuna	Effective Removal of Heavy Metal Ions using Hydrophobic Deep Eutectic Solvents
PP 03	Baiju Chenthamara	Sustainable Metal Recovery from Spent Lithium-ion Battery Cathodes Using Deep Eutectic Solvents
PP 04	Murugesan A	Solvent-Free Depolymerisation Methods for Sustainable Plastic Waste Recycling into Value-Added products for Material Application
PP 05	Vibhav Shukla	Fe-doped Zinc-MOF Composites and its Test-Strip Employed for Colorimetric Detection of Glucose in Model and Real Urine Samples
PP 06	Nikolaos Bikiaris	Biodegradable and sustainable PLA-based substrates destined for printed and flexible electronics
Track 10		
PP 01	Vahishta Katrak	Investigating Experimental and Theoretical Thermophysical Properties of Binary Systems of Deep Eutectic Solvents with Water
PP 02	Nensi Patel	Designing Aqueous Biphasic Systems of Quaternary Ammonium Salt based Deep Eutectic Solvents in presence of Inorganic Salts
PP 03	Anuja Jain	Elucidating Molecular Interactions of Imidazolium-Based Ionic Liquid in Aqueous and Aqueous Amino Acid Solutions: Volumetric and Compressibility Studies
PP 04	Mustaqueem Shaikh	Apparent Molar Volumes and Apparent Molar Isentropic Compressibilities of Procaine/Tetracaine Hydrochloride in Aqueous Solutions at Different Temperatures
PP 05	Sapna Warkari	Thermodynamic studies of maline (choline chloride + malonic acid) and ethanol based pseudo-binary mixture
PP 06	Sneha Bankar	Delving into solutions of Azithromycin in 1,2-propanediol, DMSO and ethanol through ultrasonic, volumetric and

		viscometric properties analysis across a temperature range of 288.15 K to 318.15 K
PP 07	E A Lohith	Elucidation of molecular interactions in cyclohexanol with aniline and chloro substituted aniline binary mixtures in terms of spectroscopic and DFT study
PP 08	Omish Sethi	Thermophysical and Electrochemical Properties of Natural Deep Eutectic Solvents (NADES): The Effect of Water Addition and Hydrogen Bond Donor Identity

Presentation Timelines

Presentation	Duration
Robert Mackenzie Award Lecture (AL)	60 min
The TA instrument-ICTAC Award Lecture (AL)	50 min
Plenary Lecture (PL)	45 min
Rigaku-ICTAC Young Scientist Award (AL)	30 min
ICTAC Promising Researcher Award (AL)	30 min
ICTAC Travel Grant Awards (AL)	15 min
Invited Lecture (IL)	25 min and 5 min Q&A
Short Invited Lecture (SIL)	17 min and 3 min Q&A
Oral Presentations (Senior Researchers (OP-SO))	17 min and 3 min Q&A
Oral Presentations (Young Researchers (OP-YO))	13 min and 2 min Q&A

Guidelines for Presentations

Poster Presentation

4 feet (height) X 3 feet (width)

Oral Presentation

All Oral Presentations in the ICTAC 2024 will be delivered as part of a specific technical session. Each Oral Presentation by senior researchers will last for 17 minutes and 3 minutes Q&A by and by young researchers will last for 13 minutes and 2 minutes Q&A.

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