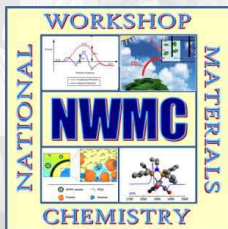




DAE-BRNS

**6th National Workshop on
Materials Chemistry
Synthesis Strategies of Materials
NWMC-2023 (SYN-MAT)**



Programme Schedule

October 13-14, 2023

Venue

**DAE Convention Centre,
Anushaktinagar, Mumbai-400094, India**

DAE-BRNS
6th National Workshop on Materials Chemistry
NWMC-2023 (SYN-MAT)
PLANNER

Day 1 : October 13, 2023

Session & Time	Activity	Speakers
9:30 to 9:45 h	Inauguration of Workshop	
Session -1 9:45 to 10:35 h	PL	Dr. A. K. Tyagi <i>Synthesis of materials beyond the phase diagrams</i>
High Tea (10.35 to 11:00 h)		
Session-2 11.00 to 13:00 h	IT-1	Dr. Vinita G. Gupta <i>Solid state synthesis of materials</i>
	IT -2	Dr. Dimple P. Dutta <i>Hydrothermal, microwave and sonochemical synthesis of nanomaterials</i>
	IT -3	Dr. Rakesh Shukla <i>Gel-combustion synthesis</i>
	IT-4	Dr. S. N. Achary <i>Synthesis of materials under high pressure/ high temperature conditions</i>
Lunch (13:00 to 14:00 h)		
Session-3 14:00 to 16:00 h	IT -5	Dr. Sulekha Mukhopadhyay <i>Chemistry at engineering Scale</i>
	IT-6	Dr. R. K. Lenka <i>Sintering of ceramics</i>
	IT-7	Prof. Tapas K. Mandal <i>Chimie-Douce approaches in the synthesis of novel inorganic solids</i>
	IT-8	Dr. R. D. Purohit <i>Flow control refractories for steel casting: role of materials chemistry</i>
Tea (16:00 to 16:30 h)		
16:30 to 17:30 h	Ask me anything <i>(Theme: Future of Materials and Career Prospects for Young Researchers)</i>	
Tea (17:30 to 18:00 h)		
18:00 to 19:30 h	Annual general body meeting and award distribution function	
Dinner (20:00 to 21:00 h)		

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Day 2 : October 14, 2023		
Session & Time	Activity	Speakers
Session-4 09:30 to 11:00 h	IT -9	Dr. P. A. Hassan <i>Soft matter assisted synthesis of advanced healthcare materials</i>
	IT-10	Dr. R. Mishra <i>Phase diagrams for material synthesis</i>
	IT-11	Dr. Adish Tyagi <i>Molecular precursor mediated synthesis of nano-sized materials</i>
Tea (11:00 to 11:15 h)		
Session-5 11:15 to 13:15 h	IT-12	Prof. Pushpal Ghosh <i>Synthesis via ionic liquids: A green route to sustainable materials</i>
	IT-13	Dr. Dheeraj Jain <i>Metallic alloys and intermetallics: Synthesis methodologies</i>
	IT-14	Dr. Raghumani Singh Ningthoujam <i>Synthesis, characterization and properties of borides, carbides, nitrides and phosphides</i>
	IT-15	Prof. K. Ramanujam <i>Electro-valorization to synthesize value-added chemicals</i>
Lunch (13:15 to 14:15 h)		
Session-6 14:15 to 16:15 h	IT-16	Dr. K. Bhattacharya <i>Synthesis of low dimensional materials: A tale of different synthetic techniques</i>
	IT-17	Dr. Mahesh Sunderarajan <i>"AI/ML based design and synthesis of materials"</i> <i>Guiding experiments through quantum chemical GPS</i>
	IT-18	Dr. Juby Kuttan <i>Synthesis strategies for smart polymeric materials</i>
	IT-19	Dr. Priyanka Ruz <i>Soft chemical synthesis of functional micro-nano structures</i>
Tea (16:15 to 16:30 h)		
Session-7 16:30 to 17:30 h	Quiz and Valedictory <i>(Moderators: Dr. B. P. Mandal, Dr. Seemita Banerjee, Dr. Deepak Tyagi)</i>	

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