

5th International Conference on Condensed Matter & Applied Physics

Programme Schedule (Offline)

Conference Venue: Moti Mahal Hall, Sagar Hotel, Bikaner (India)

Day 1 – Friday, 12 December, 2025		
8:00 am – 9:00 am	Registration & Breakfast	
09:00 am - 09:45 am	Key Note Session Session Chair: Session Co-Chair: Keynote Lecture:	Prof. G. P. Singh, President, Condensed Matter Research Society Dr. Sudhir Bhardwaj, Dean Academics, Bikaner Technical University, Bikaner Dr. Antoine KAHN, Vice Dean, School of Engineering and Applied Science, Princeton University, USA
	Title of talk Electronic structure of two-dimensional semiconductors: from 2D perovskites to transition metal dichalcogenides	
10.00 am- 10:45 am	Inaugural Ceremony	
10:45 am-11:00 am	Tea Break	
11:00 am-01:00 pm	Invited Session-I Session Chair: Session Co-Chair: Invited Lecture:	Dr. Antoine KAHN, Vice Dean, School of Engineering and Applied Science, Princeton University, USA Dr. Bhuvneshwer Suthar, Assistant Professor, Govt. Dungar College, Bikaner Dr. J V Yakhmi, Ex Associate Director, BARC, Mumbai
	Title of talk Intersection of Cognitive Science with Bio-, Info-, and Nano-Technologies	
	Invited Lecture:	Dr. Ranjana R. Das, Assistant Professor Government Autonomous College, Rourkela
	Title of talk	

	A Student – Friendly Roadmap: Tools & Skills that make a PhD in Condensed Matter Physics Easier	
	Invited Lecture:	Dr. G. PADMAJA, Assistant Professor, Kakatiya University, Vidyananyapuri, Hanamkonda, Warangal
	Title of talk Comparative Study of Pure and rGO-Integrated CaWO₄ Nanoparticles: Photocatalytic Efficiency for Dye degradation, FTIR, Raman and Electrochemical Properties	
	Invited Lecture:	Dr. C S Kotagiri, Assistant Professor, Department of Physics, University College of Science, Osmania University, Hyderabad
	Title of talk Investigation of Lead borate glasses doped with Mn²⁺: Comprehensive analysis of radiation shielding properties	
1:00 pm-2:00 pm	Lunch	
2:00 pm-4:00 pm	Oral Session -I Session Chair: Session Co-Chair: A1-0008 A1-0016 A1-0027 A1-0034 A1-0035 A1-0038 A1-0042 B1-0006 B1-0015 B1-0021 B1-0024 B2-0007 B2-0010 C1-0010	Prof. Anami Bhargov, Ex Professor, Govt. Dungar College, Bikaner Dr. Praveen Purohit, Assistant Professor, Engineering College Bikaner Mr. Sourav Sarkar Miss. Bharti Dua Miss. Pallavi Khatale Miss. Sushma Tripathi Miss. Dasari Swarna Dr. Saikat Chattopadhyay Miss. Chuleshwari Jaiswal Mr. Manoj Prof. Pankaj Dutta Miss. Priyanka Verma Mr. J Sridhar Mohanty Mr. Nishanth Mehanathan Mr. Kamal Kumar Mr. Narottam Dev Rachhoya
4:00 pm-4:15 pm	Tea Break	

4:15 pm – 5:00 pm	Poster Session -I Session Chair: Session Co-Chair: A1-0026 A1-0041 A1-0043 A1-0047 A1-0050 A1-0065 B1-0011 B1-0012 B1-0031 B2-0005	Prof. Ajay Nagar, Professor, Govt. Dungar College Bikaner Dr. Preeti Naruka, Assistant Professor, Engineering College Bikaner Mr. Kush Baraiya Miss. Pragya Chaudhary Mr. Prashant Kumar Kalo Miss. Anjali Vaishnaw Dr. Miskil Naik Mr. Paavan Binu Mathew Mr. Viratkumar Patel Mr. Ankitkumar Patel Mr. Venkata Ramanaiah Daggupati Mr. Rishabh Bhatt
7:30 pm onwards	Dinner at Moti Mahal Hall, Sagar Hotel Bikaner	

Day 2 – Saturday, 13th December, 2025		
8:00 am - 09:00 am	Morning Breakfast	
9:00 am - 11:00 am	Invited Session-II	
	Session Chair: Session Co-Chair: Invited Lecture:	Dr. G. PADMAJA, Assistant Professor, Kakatiya University, Vidyananyapuri, Warangal Dr. M S Shekhawat, Assistant Professor, Engineering College Bikaner, Bikaner Dr. Osman ADIGUZEL, Professor, Department of Physics, Firat University, Turkey
	Title of talk Shape Memory phenomena and Diffusion less Characterization of Martensitic Transformations in Shape Memory Alloys	
	Invited Lecture:	Prof. Arun Bansil, Distinguished Professor Northeastern University, Boston, USA
	Title of talk The Quantum Revolution	

	Invited Lecture:	Dr. Corinne DEJOURS, Professor, IMS Bordeaux, France
	Title of talk Wave-based microsensors, beyond conventional approaches	
11:00 am- 11:15 am	Tea Break	
11:15 am – 1:00 pm	Oral Session -II Session Chair: Session Co-Chair: D1-0001 D1-0007 E1-0002 F2-0002 G1-0008 G1-0014 G1-0015 G1-0016 I1-0006 I1-0010 I1-0011 I1-0018 J2-0003	Prof. M. D. Sharma, Professor, Govt. Dungar College Bikaner Dr. Shivangi Bissa, Assistant Professor, Engineering College, Bikaner Mr. Abhijith Suresh Prof. Arvind Sharma Mr. Dinesh Kumar Mrs. Babita Kumari Dr. Manoj K Saini Mr. Praveen Kumar R Mr. Kiran Nagaraju Mr. Kiran D S Dr. Susmita Roy Mr. Rahul Bhadrawal Mr. Amit Maurya Dr. S. K. Barbar Mr. Tanay Saha
1:00 pm-2:00 pm	Lunch	
2:00 pm-3:30 pm	Poster Session -II Session Chair: Session Co-Chair: C1-0002 C1-0007 C2-0003 F1-0002 G2-0003 H2-0001	Prof. Arvind Sharma, Govt. Lohia College, Churu, Rajasthan Dr. Akshay Joshi, Assistant Professor, Govt. Dungar College Bikaner Mr. Urmil D. Raval Mr. Avijit Mahapatra Mr. Jamuna Devi Mr. Shaktising Pardeshi Miss. Swati Das Miss. Divya Meena

	I1-0003 I1-0012 I1-0013 J2-0001	Mr. Abhishek Naik Mr. Kousik Sutradhar Mr. Deepak Kumar Yadav Mr. Laxmi Narayan Suthar
3:30 pm - 4:00 pm	Tea Break	
4:00 pm - 5:00 pm	Valedictory Session	

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Day 3 – Sunday, 14 December, 2025		
09:00 am - 10:30 am	Invited Session	
	Session Chair:	Prof. Arvind Sharma, Govt. Lohia College, Churu, Rajasthan
	Session Co-Chair:	Dr. Sudhir Bhardwaj, Dean Academics, Bikaner Technical University, Bikaner
	Invited Lecture:	Dr. Nilesh Ugemuge, Assistant Professor Anand Niketan College, Warora
	Title of talk Human-Centric Lighting: From Biological Impacts to Real-World Implementations	
	Invited Lecture:	Dr Sanjeev K. Gupta, Assistant Professor St. Xavier's College (Autonomous), Ahmedabad
	Title of talk From Layers to Fuels: First-Principles Pathways of CO ₂ Reduction on Emerging 2D Photocatalysts	
10:30 am-11:00 am	Session Break	
11:00 am-01:00 pm	Parallel Session-I A	
	Session Chair:	Dr. Amit Kumar Singh, Department of Physics, Marwari College, Lalit Narayan Mithila University, Darbhanga
	Session Co-Chair:	Dr. Jayanta Das, Assistant Professor, Department of Physics, Purulia, West Bengal
	Meeting Host:	Dr. Manoj S Shekhawat, Assistant Professor, Engineering College Bikaner
	A1-0014	Miss. Sarik Debbarma
	A1-0017	Prof. Lali Kalandadze
	A1-0018	Miss. Ritu Sharma
	A1-0019	Miss. Yojana Sharma
	A1-0021	Mr. Subeesh TP
	A1-0022	Mr. Pankaj Kumar Bhamu

A1-0023	Mr. Yashpal Choudhary
A1-0024	Mr. Bijan Kumar Gangopadhyay
A1-0025	Mr. Arun Bag
A1-0030	Dr. Veena Thakur
A1-0031	Dr. Ranju Bala Chopra
A1-0036	Dr. Sashi Sekhar Behera
A1-0039	Mrs. Kavyasree N
A1-0040	Miss. Subhra Rakshit
A1-0044	Mrs. Kalpana Sharma
Parallel Session-I B	
Session Chair:	Dr. Shalu Sharma, Assistant Professor, C. G. C. University, Mohali
Session Co-Chair:	Dr. Rajyavardhan Ray, Assistant Professor, Birla Institute of Technology Mesra, Ranchi
Meeting Host:	Dr. Sudhir Bhardwaj, Dean Academics, Bikaner Technical University, Bikaner
A1-0046	Mr. Dipesh Yadav
A1-0048	Dr. Nisha Gautam
A1-0049	Mrs. Namita Das
A1-0051	Miss. Sneha Singh
A1-0052	Miss. Minakshi Rana Vyas
A1-0053	Mrs. Komal Rattawa
A1-0054	Miss. Ishu Bhadana
A1-0055	Miss. Arshiya Rana
A1-0056	Miss. Archita Bagchi
A1-0057	Miss. Ms Saumya
A1-0058	Miss. Dipakshi Sarma
A1-0061	Dr. Saranya N
A1-0063	Mr. Charudipa Kamble
A1-0064	Mr. Raj Birthlya
A1-0067	Miss. Divya Bharti
Parallel Session-I C	
Session Chair:	Dr. Amit Kumar, Assistant Professor, Government Degree College Akhnoor, Jammu
Session Co-Chair:	Dr. Sashi Sekhar Behera, Asst. Professor Berhampur University.

	Meeting Host: A1-0068 A1-0069 A1-0070 A1-0071 A1-0072 A1-0073 A1-0075 A1-0076 A1-0078 A1-0079 A1-0080 A1-0081 A1-0082 A1-0083 A1-0084	Dr. Bhuvneshwer Suthar, Assistant Professor, Govt. Dungar College, Bikaner Dr. Amrita Singh Mr. Yi Zhang Miss. Rubby Mahajan Mr. Suresh Bamanian Dr. Venkata Surendra Tammineni Mr. Bharat Bhushan Miss. Ayushi Soni Mr. Ravindra Karde Miss. Sonal Ghawade Dr. Kanhaiyalal Bhavsar Mrs. Indrakanti Rajani Dr. Bhagya Uthaman Mr. Udai Singh Dr. Santosh Mani Dr. Tahira Mir
01:00 pm-02:00 pm	Lunch Break	
02:00 pm-04:00 pm	Parallel Session-II A Session Chair: Session Co-Chair: Meeting Host: A1-0085 A1-0086 B1-0007 B1-0008 B1-0010 B1-0015 B1-0016 B1-0017	Dr. Sachin R. Patel, Assistant Professor, P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa, Gujarat-India Dr. T. V. Surendra, Assistant Professor, Department of Chemistry, Chaitanya Bharathi Institute of Technology, Hyderabad Dr. Manoj S Shekhawat, Assistant Professor, Engineering College Bikaner Mrs. Rachana Choudhary Dr. Amit Meena Dr. Amit Kumar Singh Dr. Bhavana HV Mr. Mukesh Kumar Prof. Pankaj Dutta Miss. Gunjan Sharma Mr. Roop Chandra

	B1-0018	Mr. Vaibhav Singh
	B1-0019	Mr. Akhilesh Kumar Upadhyay
	B1-0023	Miss. Sneha A K
	B1-0025	Prof. Ghanshyam Jadhav
	B1-0026	Miss. Shivani Thakur
	B1-0027	Miss. Preeti Goyal
	B1-0028	Mr. Shubham Pushkar
	B1-0029	Mr. Santosh Kumar
	B1-0032	Miss. Kavya G K
	J2-0024	Mr. Ajinkya P Khangal
	J2-0027	Mr. Akhilesh Kumar Gupta
	Parallel Session-II B	
	Session Chair:	Dr. Pratik Pataniya, Assistant Professor, P. D. Patel Institute of Applied Science, CHARUSAT, Changa, India
	Session Co-Chair:	Dr. G. Nagaraju, Assistant Professor, Govt. Degree College (A), Khiratabad, Hyderabad
	Meeting Host:	Dr. Sudhir Bhardwaj, Dean Academics, Bikaner Technical University, Bikaner
	B1-0033	Dr. Satya Parkash
	B1-0034	Mrs. Suman Yadav
	B1-0035	Dr. Naresh Sharma
	B1-0036	Dr. Rimpi Chakravarty
	B1-0037	Dr. Junmoni Barman
	B1-0039	Mr. Mallikarjun Hoogar
	B1-0043	Mrs. Vanita Ghatti
	B1-0044	Dr. Srimathy B
	B1-0045	Dr. Ujwala Mhaske
	B1-0046	Dr. Anil Kumar Das
	B1-0047	Dr. Sushil Rajpurohit
	B1-0048	Mr. Suleiman Maikudi
	B1-0049	Dr. Sumit Bhardwaj
	B1-0050	Dr. Meena Kumari
	B2-0003	Mr. Qudratbek Mamarasulov

	Parallel Session-II C Session Chair: Session Co-Chair: Meeting Host: B2-0006 B2-0008 B2-0011 B2-0012 B2-0013 C1-0001 C1-0005 C1-0008 C1-0009 C2-0001 D1-0002 D1-0003 D1-0004 D1-0005 D1-0008 D2-0002	Dr. Vipin Kumar, Professor, Department of Applied Sciences, KIET Group of Institutions, Ghaziabad Dr. Ashok Bhogi, Head, Department of Physics, VNR Vignana Jyothi Institute of Engg. and Tech., Hyderabad Dr. Bhuvneshwer Suthar, Assistant Professor, Govt. Dungar College, Bikaner Dr. Soniya Juneja Miss. Suruchi Singh Mr. Abhijit BAR Dr. Amit Kumar Dr. Ronald Benjamin Dr. Sanjay Bagade Dr. Anjna Devi Dr. Arvind Kumar Dr. Shalu Sharma Dr. Purabi Gogoi Prof. Vandana Ranga Miss. Carolin Santhosh Dr. Kapil Kumar Sharma Mr. Praveen Kumar Vishwakarma Dr. Sruthi T Dr. Karan Singh Vinayak

Day 4 – Monday, 15 December, 2025

11:00 am-01:00 pm	Parallel Session-III A Session Chair: Session Co-Chair:	Dr. Ujwala G. Mhaske, Department of Physics, H. P. T. Arts & R. Y. K. Science College, Nashik Dr. Rimpi Chakravarty, Indian Institute of Technology, Guwahati
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	Meeting Host:	Dr. Manoj S Shekhawat, Assistant Professor, Engineering College Bikaner
	D2-0003	Dr. Ravindra Kumar Gupta
	D2-0006	Dr. Pratik M Pataniya
	D2-0007	Dr. Sachin Patel
	D2-0008	Dr. Dijit M Patel
	D2-0009	Mr. Divy Solanki
	D2-0010	Miss. Pratiksha Panchal
	D2-0011	Mr. Anish Krishna
	D2-0012	Miss. Megana Boddupally
	D2-0013	Miss. Srijayathi Indurti
	D2-0014	Mr. Naga harsha Nekkanti
	D2-0015	Dr. Sultan Ahmed
	E1-0003	Prof. Jitendra Kumar
	F1-0001	Mrs. Gulzeinep Begimova
	F1-0003	Miss. Meghana Raj N
	G1-0003	Dr. Gudipoodi Nagaraju
	Parallel Session-III B	
	Session Chair:	Dr. Santosh Mani, K. J. Somaiya School of Engineering, Somaiya Vidyavihar University
	Session Co-Chair:	Dr. Sumit Bhardwaj, Associate Professor, Chandigarh University, Chandigarh
	Meeting Host:	Dr. Sudhir Bhardwaj, Dean Academics, Bikaner Technical University, Bikaner
	G1-0005	Mr. M Sreepad
	G1-0006	Mr. Chintha Madhubabu
	G1-0007	Dr. Chandrasekhar Maale Goundla
	G1-0009	Mrs. Gujjeti Sandyarani
	G1-0012	Mr. Ch Srinivasa Ramanujan
	G1-0013	Dr. R Umamaheswara Singh
	G1-0017	Dr. Ashok Bhogi
	G1-0018	Mrs. Radhika R
	G1-0019	Mr. Pardeep Kumar
	G2-0002	Miss. Prajakta Patil
	G2-0004	Mrs. Sreeja K V
	H1-0001	Dr. Jayanta das

	H1-0002 H1-0003 H1-0004 Parallel Session-III C Session Chair: Session Co-Chair: Meeting Host: H1-0005 I1-0001 I1-0008 I1-0009 I1-0014 I1-0016 I1-0017 I1-0019 J2-0005 J2-0006 J2-0007 J2-0008 J2-0009 J2-0010 J2-0011 J2-0012 J2-0013 J2-0014 J2-0015 J2-0016 J2-0022 J2-0026	Dr. Vipin Kumar Dr. Anuroop R Mr. SreejithP Dr. Ranju Bala Chopra, Associate professor, DBNP college of Arts SSGG Commerce and SSAM Science college Lonavla Dr. Ronald Benjamin, Assistant Professor, Department of Physics, Cochin University of Science and Technology, Cochin Dr. Bhuvneshwer Suthar, Assistant Professor, Govt. Dungar College, Bikaner Mr. Ashwani Prakash Dr. Sangram Keshari Das Mrs. Navashreya B Mr. Shrawan Kumar Yadav Miss. Nibedita Nayak Mr. Aftab Alam Mr. Rotish Sarkar Dr. Rajyavardhan Ray Mr. Vandan Patel Mr. Hardik Kumar Rathod Miss. Pooja Jakhad Mr. Vraj Kumar Prajapati Mr. Manak Kumar Parmar Dr. Bhaghyesh . Miss. Umera Nawaz Miss. Aneeqa Basheer Mr. Dhananjaya B J Mr. Anshul Kumar Miss. Amandeep Kaur Mrs. Rajni Sharma Mr. Ramesh Kumar Dr. Sk Fakruddin Babavali
01:00 pm-02:00 pm	Session Break	

02:00 pm-02:30 pm

Valedictory Session