

## Technical Program

Day-1 (March 19<sup>th</sup> 2024)

**International Conference on Energy Materials and Devices**  
**(2<sup>nd</sup> ICEMD-2024)**  
(March 19 - 21, 2024)

**08:00 AM - 09:00 AM Breakfast and Registration**

**Inaugural Program**

**09:00 am:** Floral tributes to our Visionary founder Bharat Ratna Mahamana Pt. Madan Mohan Malviya  
and lightning of the lamp

**09:05am:** BHU Kulgeet by MMV Students

**09:10 am:** Welcome Address by Chairperson (2<sup>nd</sup> ICEMD-2024) and Principal (MMV) Prof. Rita Singh

**09:15 am:** About the conference by Prof. Neelam Srivastava (Convener 2<sup>nd</sup> ICEMD-2024)

**09:20 am:** Address by Prof. R. K. Singh, Head Department of Physics, I. Sc. BHU

**09:30 am:** Inaugural Address by Chief Guest Padma Shri Prof. Ganapati D. Yadav,  
NATIONAL SCIENCE CHAIR (SERB/DST/GOI),

**10:00 am:** Formal vote of thanks by Dr. I. Panneer Muthuselvam (Organizing Secretary 2<sup>nd</sup> ICEMD-2024)

**10:10 am: High Tea**

**10:10 AM-11:00 AM**  
**High Tea**

**Technical Session-1**  
**Chairperson: Prof. R. K. Singh**

11:00 AM-11:20 AM	Special Address	Prof. B. V. R. Chowdari <i>Materials Research Society of Singapore (MRS-S), Singapore</i>
11:20 AM-11:50 AM	Plenary	Dr. R. K. Sharma <i>CEO, SPEL Technologies Pvt. Ltd, Pune, India</i>
11:50 AM-12:20 PM	Plenary	Prof. Agnieszka Pawlicka <i>Instituto de Quimica de Sao Carlos, Universidade de Sao Paulo, Brazil</i>
12:20 PM-12:50 PM	Plenary	Dr. B. B. Kale <i>Director, Material Science (CoE) MITWPU University, Pune</i>
12:50 PM-01:20 PM	Plenary	Prof. Tan Winie <i>Universiti Teknologi MARA, Malaysia</i>
01:20 PM-01:40 PM	Invited	Dr. Wan Zaireen Nisa Yahya <i>Centre of Research in Ionic Liquids CORIL Universiti Teknologi Petronas), Malaysia</i>

**01:40 PM-03:30 PM**  
**Lunch Break**

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**Poster Presentation Session (P/1-P/36)**

**Chairperson/Poster Judges: Prof. Pramod Kumar Singh and Dr. A. Manuel Stephan**

**Two Parallel Sessions**

<b>Technical Session-2 (Parallel Session-2/1)</b> <b>Chairperson: Dr. Preetam Singh</b>		
03:30 PM-03:50 PM	Invited	Prof. Anuradha M. Ashok <i>PSG Institute of Advanced Studies, Coimbatore, India</i>
03:50 PM-04:10 PM	Invited	Dr. Anji Reddy Polu <i>BVRIT Hyderabad College of Engineering for Women, Hyderabad, India</i>
04:10 PM-04:20 PM	Oral	O-1/C-7
04:20 PM-04:30 PM	Oral	O-27/C-79
04:30 PM-04:40 PM	Oral	O-4/C-17
<b>Tea Break</b>		
<b>Technical Session-3 (Parallel Session-3/1)</b> <b>Chairperson: Dr. Yogesh Kumar</b>		
04:50 PM-05:10 PM	Invited	Dr. A Manuel Stephan <i>Scientist, CSIR-CEERI, Karaikudi, India</i>
05:10 PM-05:20 PM	Oral	O-2/C-8
05:20 PM-05:30 PM	Oral	O-28/C-80
05:30 PM-05:40 PM	Oral	O-5/C-20
05:40 PM-05:50 PM	Oral	O-29/C-82
05:50 PM-06:00 PM	Oral	O-6/C-21
06:00 PM-06:10 PM	Oral	O-41/C-103
06:10 PM-06:20 PM	Oral	O-7/C-22
<b>Snacks and Tea</b>		

<b>Technical Session-2 (Parallel Session-2/2)</b> <b>Chairperson: Dr. Piyush Kumar Sonkar</b>		
03:30 PM-03:50 PM	Invited	Prof. Devendrappa H <i>Mangalore University, India</i>
03:50 PM-04:10 PM	Invited	Prof. Meenakshi Singh <i>MMV-BHU, India</i>
04:10 PM-04:20 PM	Oral	O-32/C-85
04:20 PM-04:30 PM	Oral	O-8/C-23
04:30 PM-04:40 PM	Oral	O-10/C-26
<b>Tea Break</b>		
<b>Technical Session-3 (Parallel Session-3/2)</b> <b>Chairperson: Dr. Anji Reddy Polu</b>		
04:50 PM-05:10 PM	Invited	Dr. Archana Singh <i>CSIR-AMPRI</i>
05:10 PM-05:20 PM	Oral	O-12/C-30
05:20 PM-05:30 PM	Oral	O-34/C-90
05:30 PM-05:40 PM	Oral	O-13/C-31
05:40 PM-05:50 PM	Oral	O-15/C-42
05:50 PM-06:00 PM	Oral	O-35/C-91
06:00 PM-06:10 PM	Oral	O-16/C-43
06:10 PM-06:20 PM	Oral	O-17/C-46

**Snacks and Tea**

**Day -2 (March 20, 2024)**

**Free time for Varanasi Visit**

**01:00 PM-03:00 PM**

**Lunch Break**

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**Poster Presentation Session (P/37-P/72)**

**Chairperson/Poster Judges: Prof. A.L. Saroj and Dr. Anji Reddy Polu**

**Two Parallel Sessions**

**Technical Session-4 (Parallel Session-4/1)**

**Chairperson: Prof. Hirdyesh Mishra**

03:00 PM-03:30 PM	Plenary	Prof. R. K. Singh <i>Department of Physics, BHU</i>
03:30 PM-03:50 PM	Invited	Dr. T. P. Yadav <i>University of Allahabad, India</i>
03:50 PM-04:10 PM	Invited	Dr. K.K. Pandey <i>Sharda University, India</i>
04:10 PM-04:30 PM	Invited	Dr. Manindra Kumar <i>DDU University, India</i>

**Tea Break**

**Technical Session-5 (Parallel Session-5/1)**

**Chairperson: Dr. Wan Zaireen Nisa Yahya**

04:30 PM-04:40 PM	Oral	O-36/C-92
04:40 PM-04:50 PM	Oral	O-31/C-84
04:50 PM-05:00 PM	Oral	O-18/C-48
05:00 PM-05:10 PM	Oral	O-19/C-51
05:10 PM-05:20 PM	Oral	O-37/C-97
05:20 PM-05:30 PM	Oral	O-20/C-55
05:30 PM-05:40 PM	Oral	O-38/C-98
05:40 PM-05:50 PM	Oral	O-21/C-56
05:50 PM-06:00 PM	Oral	O-39/C-101
06:00 PM-06:10 PM	Oral	O-22/C-64
06:10 PM-06:20 PM	Oral	O-23/C-72
06:20 PM-06:30 PM	Oral	O-40/C-102

**Snacks and Tea**

**Technical Session-4 ( Parallel Session-4/2)**

**Chairperson: Dr. Kamlesh Pandey**

03:00 PM-03:20 PM	Invited	Dr. Ruwaida Asyikin AbuTalip <i>Universiti Teknologi Petronas, Malaysia</i>
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03:20 PM-03:40 PM	Invited	Prof. S.N. Pandey <i>MNIT, India</i>
03:40 PM-04:00 PM	Invited	Dr. Preetam Singh <i>IIT-BHU, India</i>
04:00 PM-04:20 PM	Invited	Dr. Yogesh Kumar <i>University of Delhi, India</i>
<b>Tea Break</b>		
<b>Technical Session-5 (Parallel Session-5/2)</b> <b>Chairperson: Prof. Meenakshi Singh</b>		
04:30 PM-04:40 PM	Oral	O-26/C-76
04:40 PM-04:50 PM	Oral	O-42/C-104
04:50 PM-05:00 PM	Oral	O-33/C-89
05:00 PM-05:10 PM	Oral	O-44/C-106
05:10 PM-05:20 PM	Oral	O-14/C-35
05:20 PM-05:30 PM	Oral	O-24/C-73
05:30 PM-05:40 PM	Oral	O-45/C-107
05:40 PM-05:50 PM	Oral	O-25/C-74
05:50 PM-06:00 PM	Oral	O-46/C-108
06:00 PM-06:10 PM	Oral	O-3/C-16
06:10 PM-06:20 PM	Oral	O-30/C-83
06:20 PM-06:30 PM	Oral	O-9/C-25
<b>Snacks and Tea</b>		

**Day -3 (March 21<sup>st</sup> 2024)**

<b>08:00 AM-09:00 AM</b> <b>Breakfast</b>		
<b>Technical Session-6</b> <b>Chairperson: Prof. Pramod Kumar Singh</b>		
09:00 AM-09:20 AM	Invited	Dr. Ravindra Kumar Gupta <i>King Saud University, Saudi Arabia</i>
09:20 AM-09:40 AM	Invited	Prof. Rajan Jose <i>Universiti Malaysia Pahang, Malaysia</i>
09:40 AM-10:10 AM	Plenary	Prof. S. A. Hashmi <i>University of Delhi</i>
10:10 AM-10:40 AM	Plenary	Dr. George V. Alexander <i>University of Maryland, USA</i>
10:40 AM-11:10 AM	Plenary	Prof. Anshuman Dalvi <i>BITS Pilani, India</i>
<b>Tea Break</b>		
<b>Technical Session-7</b> <b>Chairperson: Prof. Anshuman Dalvi</b>		
11:20 PM-11:50 PM	Plenary	Prof. Pramod Kumar Singh <i>Sharda University, India</i>
11:50 PM-12:20 PM	Plenary	Dr. S. Selvasekarapandian <i>Material Research Centre, Coimbatore, India</i>

12:20 PM-12:40 PM	Invited	Dr. Kamlesh Pandey <i>University of Allahabad, India</i>
12:40 AM-01:00 PM	Invited	Dr. S. P. Pandey <i>Teerthanakar Mahaveer University, India</i>
01:00 PM-01:20 PM	Invited	Dr. Piyush Kumar Sonkar <i>Department of Chemistry, BHU</i>
<b>01:20 PM-02:20 PM</b> <b>Lunch Break</b>		
<b>Technical Session-8</b> <b>Chairperson: Prof. Bhaskar Bhattacharya</b>		
02:20 PM-02:50PM	Plenary	Dr. Udai Pratap Singh <i>Kalinga Institute of Industrial Technology, Bhubaneswar, India</i>
02:50 PM-03:10 PM	Invited	Prof. Diogo M.F. Santos <i>Instituto Superior Tecnico, Portugal</i>
03:10 PM-03:20 PM	Oral	O-47/C-113
03:20 PM-03:30 PM	Oral	O-48/C-114
03:30 PM-03:40 PM	Oral	O-11/C-27
03:40 PM-03:50 PM	Oral	O-43/C-105
03:50 PM-04:00 PM	Oral	O-49/C-116
<b>Valedictory</b>		
<b>High Tea</b>		