



## International Conference on Material Sciences and Applied Physics (ICMSAP-2021)

(November 22nd – 24th, 2021)

“ICMSAP-2021” is a good platform to all researchers; scholars, faculties and students to participate, and interact with the dynamic scientists to know the recent advances, trends and technological development in the field of Material Sciences and Applied Physics which is taking place all across the globe.

**Organized by**  
Department of Physics,  
**Pachhunga University College,**  
**Mizoram University, Aizawl,**  
**India**

# ICMSAP-2021

### Full Scope of the Conference:

- ❑ Magnetic materials for Spintronics, data storage and transfer.
- ❑ Materials for energy harvest and production (including H<sub>2</sub>-fuel).
- ❑ 2D materials
- ❑ Anode/Cathode Materials for rechargeable alkali ion battery.
- ❑ Topological Materials: From Insulators to Metals and Superconductors.
- ❑ Nanomaterials for catalysis, sensors and waste-water treatment
- ❑ Nanomaterials for optoelectronics and mechatronics.
- ❑ Materials for thermoelectricity and Solar-cell applications.
- ❑ Bio-based nanomaterials for food technology, agriculture, cosmetic, medicine, health, etc.

### Important Dates

Last Date of Registration: **10th Nov, 2021**  
Registration is Free: Please register with valid WhatsApp Number and upload scan copy of valid University ID.

### Chief Patron



**Prof. K. R. S. Sambasiva Rao**  
Vice-Chancellor  
Mizoram University

### Patrons



**Prof. H. Lalhanzara**  
Principal, Pachhunga  
University College



**Prof. R. K. Thapa**  
Retd. Professor,  
Mizoram University



**Prof. Tankeshwar Kumar**  
VC, Central University of  
Haryana

### Chief Guest



**Dr. S. K. Varshney**  
Adviser and Head, International  
Cooperation Division, DST Govt. of  
India



**Dr. Shivraj Gurung**  
Head Dept. of Physics  
Pachhunga University College,  
Aizawl

### Conveners



**Dr. Lalhriatzuala**



**Dr. Dibya Prakash Rai**



### Venue information

Pachhunga University College, Mizoram University, Aizawl, India.  
Conference mode will be virtual platform for the safety measure of COVID-19 as per Government of India.

For more details, please check: [www.pucollege.edu.in](http://www.pucollege.edu.in)



## Plenary Talk



**Dr. S. K. Varshney**  
Adviser and Head, ICD,  
DST Govt. of India.

## Keynote Talk



**Prof. Arun Bansil**  
Distinguished Professor in Physics  
Northeastern University(NU),  
USA



**Prof. V. Madhurima**  
Dept. of Physics, CUTN,  
Thiruvavur, India



**Prof. Mahesh Kumar**  
Department of Electrical  
Engineering, IIT Jodhpur,  
India



**Prof. Anurag Srivastava**  
IIITM, Gwalior, India

## Special Talk [@6.30 pm IST]



**Prof. Sugata  
Chowdhury**  
Department of Physics  
and Astronomy, Howard  
University, Washington,  
D.C. USA



**Dr. Hasnain Hafiz**  
Theoretical Division,  
Los Alamos National  
Laboratory, USA



**Prof. Roberts I. Eglitis**  
Institute of Solid State  
Physics, Latvian  
Academy of Sciences,  
Latvia.

## Invited Speakers

- ❑ Prof. Sunita Srivastava, Dept of Physics, Panjab University, Chandigarh, India
- ❑ Prof. Diwakar Tiwari, Dean SPS, Mizoram University, Aizawl, India
- ❑ Prof. L. A. Fomin, IMT and High Purity Materials Russian Academy of Sciences, Moscow, Russia.
- ❑ Prof. M. L. Verma, HOD Physics, Shri Shankaracharya Technical Campus Bhilai, India
- ❑ Prof. James J. Samuel, Dept of Physics, VIT University, Vellore, India
- ❑ Prof. Guoqing Chang, Nanyang Technological University, Singapore.
- ❑ Prof. R. J. Musembi, Dept of Physics, University of Nairobi, Nairobi, Kenya.

- ❑ Prof. Bahadur Singh, Dept of Condensed Matter Physics and Materials Science, TIFR, Colaba, Mumbai, India
- ❑ Prof. Amit K. Agarwal, Dept of Physics, IIT Kanpur, India
- ❑ Dr. T. Prasai Joshi, Environment and Climate Study Laboratory, Nepal Academy of Science and Technology(NAST), Kathmandu, Nepal.
- ❑ Dr. S. Kaya, Sivas Cumhuriyet University, Sivas, Turkey.
- ❑ Dr. Renjith Thomas, Dept of Chemistry, St. Berchmans College, Kerala, India
- ❑ Dr. M. P. Ghimire, CDP, Tribhuvan University, Kathmandu, Nepal
- ❑ Dr. K. Vanlaldinpuia, Dept of Chemistry, Pachhunga University College, Aizawl, India
- ❑ Dr. K. Kaur, Dept of Applied Sciences, Punjab Engineering College (deemed to be University), Chandigarh, India.
- ❑ Dr. S. Sattar, Department of Physics and Electrical Engineering, Linnaeus University, Sweden
- ❑ Dr. D. Brahman, Dept of Chemistry, St. Joseph's College, Darjeeling, India.
- ❑ Dr. A. Shankar, Department of Physics, Kurseong College Darjeeling, India

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### Advisory Committee

- ❑ Prof. K. R. S. Sambasiva Rao, VC, Mizoram University, Aizawl, India
- ❑ Prof. H. Lalthanzara, Principal, Pachhunga University College, Aizawl, India
- ❑ Dr. S. K. Varshney, Adviser and Head, International Cooperation Division, DST Govt. of India
- ❑ Prof. Tankeshwar Kumar, VC Central University of Haryana, Mahendergarh, India.
- ❑ Prof. Diwakar Tiwari, Dean SPS, Mizoram University, Aizawl, India
- ❑ Prof. R. K. Thapa, Retd Prof, Dept of Physics, Mizoram University, Aizawl, India
- ❑ Prof. R. C. Tiwari, Head, Dept of Physics, Mizoram University Aizawl, India.
- ❑ Dr. Shivraj Gurung, Head Dept of Physics, PUC, Aizawl, India.

- ❑ Prof. Zaithanzauva Pachuau, Dept of Physics, Mizoram University, Aizawl, India
- ❑ Prof. Suman Rai, Department of Physics, Mizoram University, Aizawl, India
- ❑ Prof. Binil Aryal, Dean, Institute of Science and Technology, Tribhuvan University, Kathmandu Nepal.
- ❑ Prof. Gulmurza Abdurakhmanov, National University of Uzbekistan, Uzbekistan
- ❑ Prof. Oksana B. Ismailova, Uzbekistan-Japan Innovation Center of Youth, Tashkent, Uzbekistan
- ❑ Prof. L. A. Fomin, IMT, Russian Academy of Sciences, Chernogolovka, Moscow, Russia
- ❑ Prof. Sunita Srivastava, Dept of Physics, Panjab University, Chandigarh India.
- ❑ Prof. P. K. Patra, Department of Physics, NEHU Shillong, India
- ❑ Prof. Ashis Bhattacharjee, Dept of Physics, Visva-Bharati University, Santiniketan, India.
- ❑ Prof. V. Madhurima, Dept of Physics, CUTN, Thiruvapur, India
- ❑ Prof. Roberts I. Eglitis, Institute of Solid State Physics, University of Latvia Riga, Latvian Academy of Sciences, Latvia.
- ❑ Prof. Anurag Srivastava, Dept of Applied Science, IIITM Gwalior, India

- ❑ Prof. M. L. Verma, HOD Physics, Shri Shankaracharya Technical Campus Bhilai, India
- ❑ Prof. Nguyen N. Hieu, Institute of Research and Development, Duy Tan University, Da Nang, Vietnam.
- ❑ Dr. Parvez Alvi, Head Dept of Physics, Banasthali Vidyapith, Rajasthan, India
- ❑ Prof. Bahadur Singh, Department of Condensed Matter Physics and Materials Science, TIFR, Colaba, Mumbai, India
- ❑ Dr. Deepak Kumar, M. S. Ramaiah University of Applied Sciences, Bengaluru, India.
- ❑ Dr. Yu Kok Hwa, School of Mechanical Engineering, Universiti Sains Malaysia, Penang Malaysia.

### Local Organizing Committee

- ❖ Dr. Shivraj Gurung, Chairman
- ❖ Dr. Lalhrizuala
- ❖ Dr. Y. Rangeela Devi
- ❖ Dr. Lalrinthara Pachuau
- ❖ Dr. N. Suraj Kumar Singh
- ❖ Dr. Lalmuanpuia Vanchhawng
- ❖ Dr. Dibya Prakash Rai

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