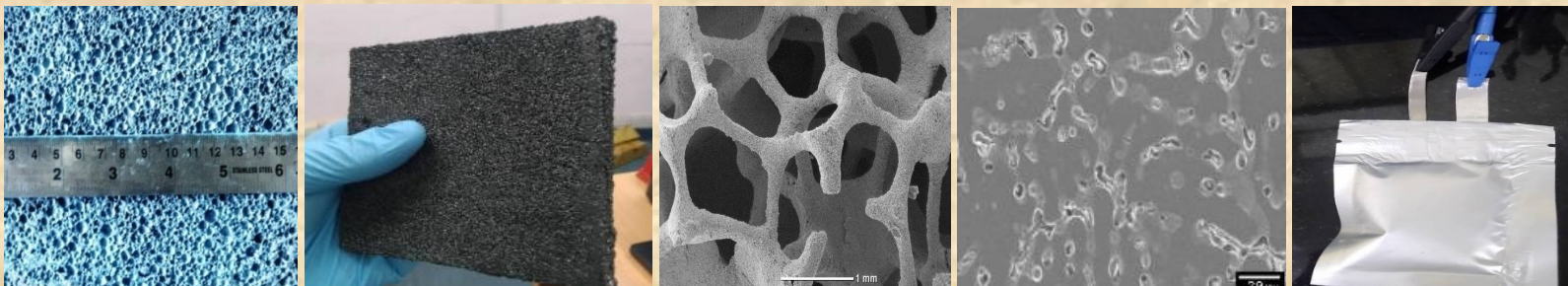




## Seminar on Recent trends in Light Weight Materials

25 July 2024 (10 AM to 4 PM)

Jointly organized by IIM Bhopal chapter & CSIR-AMPRI Bhopal



### OVERVIEW

In today's rapidly evolving industrial landscape, the demand for lightweight materials has surged across various sectors including automotive, aerospace, construction, and beyond. Lightweight materials are crucial for achieving enhanced performance, efficiency, and sustainability in engineering applications. This seminar aims to delve into the significance, properties, and applications of lightweight materials, showcasing their transformative impact on modern design and manufacturing processes. The adoption of lightweight materials represents a paradigm shift towards more efficient, sustainable, and high-performance solutions across diverse industries.

This seminar will explore the latest advancements, challenges, and future prospects in the field of lightweight materials, emphasizing their role in shaping the future of engineering and technology. By focusing on these key areas, participants will gain valuable insights into how lightweight materials are driving innovation and reshaping the way we approach design, manufacturing, and sustainability in the 21st century.

### LECTURES

1. **Dr. Avanish Kumar Srivastava**, Director (CSIR-AMPRI Bhopal)
2. **Chief Guest and Guest of honor**
3. **Dr D.P Mondal**, (Chief Scientist, CSIR-AMPRI Bhopal)
4. **Prof Jyontsna Mazumdar**, (Professor, IIT Kharagpur)
5. **Dr Abhishek Sharma**, (Assistant prof., Osaka university Japan)
6. **Prof M. D. Goel**, (Associate Professor, VNIT Nagpur)

Welcome address

Expert Talks

Title: An overview of metallic foams

Title: Laser Shock Peening for Improved Performance

Title: Friction Stir Processing: Alloys and Composite

Title: Blast response of light-weight Sandwich Structures

Faculty, students, fellows, research scholar working in the field of light weight materials and related areas are invited for the seminar. The registration link is mentioned below:

<https://6rk76keg.forms.app/seminar-registration-form>

Contact: Dr Gaurav Kumar Gupta, 9424400664,  
gauravgupta@ampri.res.in

Dr Venkat AnCh, 8878797870, venkatanch@ampri.res.in

Dr Mohit Sharma, 7206165860, mohitsharma@ampri.res.in

### ORGANIZERS

Convener: **Dr. Gaurav Gupta**, Principal Scientist,  
CSIR-AMPRI, Bhopal, Secretary IIM Bhopal chapter

Co-Convener: **Dr Venkat AnCh**, Principal Scientist  
(AMPRI Bhopal),

**Dr Mohit Sharma**, Senior Scientist (AMPRI Bhopal),  
Treasurer, IIM Bhopal chapter

Venue

Auditorium, CSIR-AMPRI BHOPAL