

Preface: International Conference on Low-Carbon Development and Materials for Solar Energy (ICLDMS'26)

The papers presented at the First International Conference on Low-Carbon Development and Materials for Solar Energy (ICLDMS'26) have been compiled in this special issue. The conference was held on January 21–22, 2026, at New Prince Shri Bhavani College of Engineering and Technology, Chennai, India. The conference served as a platform for leading scientists, engineers, and researchers from around the world to share cutting-edge developments in the field.

The inaugural edition of ICLDMS'26 featured contributions from numerous authors across India and abroad. The program included a total of 126 oral presentations on advanced topics in multi-disciplinary fields, along with six keynote lectures. Shri E. Santhanam and Smt. S. Selvambal (Chairpersons – RBRI) were immensely supportive, and the organizing team sincerely appreciates their encouragement and guidance. We also extend our gratitude to the advisory and technical review committees for their valuable insights and contributions in organizing this significant scientific event.

A total of 44 papers have been included in the final proceedings of ICLDMS'26 following a rigorous peer-review process. The successful compilation of this high-quality scientific volume would not have been possible without the dedicated efforts of the editors and reviewers, to whom we express our sincere thanks. The organizing committee also gratefully acknowledges the publisher, EPJ Web of Conferences, for accepting these papers for publication as a special issue.

The next conference will be held in the third quarter of the year at the RanBal Research Institute (RBRI) in Kanchipuram, Tamil Nadu, India. On behalf of the organizing committee, I warmly invite all readers to participate in the upcoming edition.

Organizing Committee
ICLDMS'26

INTERNATIONAL CONFERENCE ON LOW-CARBON DEVELOPMENT AND MATERIALS FOR SOLAR ENERGY ICLDMS'26


JANUARY 21 & 22, 2026 | Organized by: RANBAL RESEARCH INSTITUTE (RBRI)



 Renewable Energy Systems

 Decarbonization Strategies

 Advanced Solar Materials

 Sustainable Water Solutions
(Desalination)

KEYNOTE SPEAKERS | TECHNICAL SESSIONS | WORKSHOPS

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