



# 5<sup>th</sup> International Conference on Advances in Materials, Mechanics, Mechatronics & Manufacturing (IC4M 2025)

## Organizers



## Associates



BIRMINGHAM CITY  
University, UK



## Awards

### Best Paper Award

#### *First Position:*

##### *Title:*

Investigation of Electric Discharge Machining Parameter Responses on Aluminum-2014 (3.9–5% Cu Alloy) Using Hybrid Optimization Techniques

##### *Authors:*

**Raju Kumar**, Department of Mechanical Engineering, IES Institute of Technology and Management, IES University, Bhopal, India

**Rajan Kumar**, Department of Mechanical Engineering, IES Institute of Technology and Management, IES University, Bhopal, India

**Gurjeet Singh**, Department of Mechanical Engineering, IES College of Technology, Bhopal, India

#### *Second Position:*

##### *Title:*

An Experimental Approach to Kerf Width and Taper Angle Evaluation in CNC Wire-Cut EDM of AZ91/SiCp/Al<sub>2</sub>O<sub>3</sub>p Composites

##### *Authors:*

**Dheeraj Kumar**, Faculty of Mechanical Engineering, Institute of Technology, Shri Ramswaroop Memorial University, Barabanki, India

**Rajesh Kumar Porwal**, Faculty of Mechanical Engineering, Institute of Technology, Shri Ramswaroop Memorial University, Barabanki, India

**Amit Porwal**, Department of Mechanical Engineering, Feroze Gandhi Institute of Engineering & Technology, Raebareilly, India

### Best Presentation Award

#### *First Position:*

##### *Title:*

Evaluation of Quantitative Tools for Assessing the Diversification of Additive Manufacturing Research: A Scientometric Review

##### *Presenter:*

**Ezekiel Yorke**, The University of the West Indies, St. Augustine, Trinidad and Tobago

#### *Second Position:*

##### *Title:*

Conceptual Design, Feasibility Study and Analysis of Hydraulic Multi Quick Connect Coupling System Within Space Constraints

##### *Presenter:*

**Vaibhav Gokhale**, Walchand College of Engineering Sangli, India

Coordinator

Organizing Secretary