

**ICDAM-2024**  
**5<sup>th</sup> International Conference on Data Analysis and**  
**Management**

*Organized by London Metropolitan University, London, UK (Venue Partner)*  
*in association with*

*The Karkonosze University of Applied Sciences, Jelenia Gora, Poland, Europe*  
*&*

*Politécnico de Portalegre, Portugal, Europe*  
*&*

*BPIT, GGSIPU, Delhi*

*Date: 15<sup>th</sup> - 16th June 2024*

**\*\*\*\*\* CALL FOR PAPERS \*\*\*\*\***

**SPECIAL SESSION ON**

**Cutting Edge Progress in Artificial Intelligence and Machine Learning : A Road Map for Sustainable Development**

**SESSION ORGANIZERS:**

**Dr. Sachin Kumar**

South Ural State University (National Research University), Chelyabinsk, Russian Federation.

[sachinagnihotri16@gmail.com](mailto:sachinagnihotri16@gmail.com)

**Dr. Sita Rani**

Guru Nanak Dev Engineering College, Ludhiana, INDIA.

[sitasaini80@gmail.com](mailto:sitasaini80@gmail.com)

**Dr. Pankaj Bhambri**

Guru Nanak Dev Engineering College, Ludhiana, INDIA.

[pkbhambri@gmail.com](mailto:pkbhambri@gmail.com)

**Dr. Aman Kataria**

Amity Institute of Defense Technology, Amity University, Noida, INDIA.

[ammankataria@gmail.com](mailto:ammankataria@gmail.com)

**SESSION DESCRIPTION:**

Modern advances in machine learning (ML) and artificial intelligence (AI) are creating a strategic plan for sustainable development. These innovative technologies play a key role in tackling social, economic, and environmental issues. Applications of AI and ML are transforming sectors, streamlining workflows, and increasing resource efficiency. They are essential to sustainable development because they make it possible to use predictive analytics for climate modeling, individualized healthcare plans, and effective resource management. In order to ensure inclusive practices and responsible AI

deployment, ethical issues are crucial. The roadmap places a strong emphasis on working together with stakeholders from academia, business, and government to create a future where advances in machine learning and artificial intelligence are in line with sustainable objectives and foster a robust and well-balanced global ecosystem.

This session will be focused on the critical importance of AI and ML in the myriad applications across diverse industries/sectors for sustainable development. This special session provides a forum for PhD Students, academics, researchers, scientists, and engineers, development organizations all over the world interested in AI and ML applications. .

#### **RECOMMENDED TOPICS:**

Topics to be discussed in this special session include (but are not limited to) the following:

- AI in Renewable Energy Optimization
- Climate Modeling and Predictive Analytics using AI and ML
- Precision Agriculture with ML
- Healthcare innovations through AI and ML
- Smart Cities and Urban Planning Using AI and ML
- Ethical AI and Inclusivity
- AI and ML for Resource Management and Conservation
- AI for Education and Skill Development
- AI and ML for Disaster Response and Mitigation

#### **SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session on **Cutting Edge Progress in Artificial Intelligence and Machine Learning : A Road Map for Sustainable Development** on or before **28/02/2024**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at <https://icdam-conf.com/downloads>. All submitted papers will be reviewed on a double-blind, peer-review basis.

**NOTE:** While submitting a paper in this special session, please specify **Cutting Edge Progress in Artificial Intelligence and Machine Learning : A Road Map for Sustainable Development** at the top (above paper title) of the first page of your paper.

\* \* \* \* \*