

ICDAM-2021 INTERNATIONAL CONFERENCE ON DATA ANALYSIS AND MANAGEMENT

Organized Jointly by

JAN WYZYKOWSKI UNIVERSITY, POLAND,

PIET (Panipat), &

IIS Deemed to be University (Jaipur), INDIA

On

June 26, 2021.

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

Special Session

MACHINE LEARNING & BLOCK CHAIN FOR HEALTHCARE, DISEASE AND DRUG MANAGEMENT IN GENOMICS

RATIONALE OF THE MOTIVATION AND OBJECTIVE OF THE SPECIAL SESSION

Machine Learning (ML) has emerged with the innovations in the field of Data Sciences as a tool for automated classification. The ML comprises a class of techniques and areas of research that can mimic the learning capacity of humans and enable the computer to learn and extract/classify patterns. The M L heuristics are used in a broad range of applications from forecasting stock market regression to reinforcement learning to play games. Here we focus on prediction in the sector of healthcare, disease and drug management. In recent times genomic has been used to study the disease and drugs with respect to genetic structure of any organism. The next generation sequencing base approaches are widely used computational techniques encompassing machine learning, deep learning, cloud systems, recommendation systems, blockchain and many more for fast and effective information synthesis.

The history of the relation between biological science and the field of ML is not new and yet significant. The applications of ML methods using biological data are being used for the prediction of genes within and among species, functional annotation, system biology and in the analysis of metabolic pathways. Current applications of machine learning in genomics appear to fall under the following two categories, Genome sequencing (particularly as it applies to precision medicine) and Direct-to-Consumer genomics. The ML approaches are now being applied in medical science for the detection and classification of different types of diseases. COVID19 Pandemic has also reflected the need of computational based genetic studies.

SPECIFIC TOPICS OF INTEREST Topics to be discussed in this special session include (but are not limited to) the following area:

Thrust areas:

- Machine Learning in health care
- Machine Learning in Genomics
- Machine Learning in NGS
- Diagnosis of viruses through artificial intelligence and machine Learning
- Blockchain in Health management
- Recommendation systems and precision medicine
- Precision medicine and AI
- Big medical data in the public health sector
- Computational intelligence on Electronic Health for the public health sector
- Machine learning methods for analyzing new types of genomic and proteomic data, particularly those focusing on single cell assays

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on [**MACHINE LEARNING & BLOCK CHAIN FOR HEALTHCARE, DISEASE AND DRUG MANAGEMENT IN GENOMICS**] on or before [31-March-2021]. 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://easychair.org/conferences/?conf=icdam2021>.

All submitted papers will be reviewed on a double-blind, peer review basis. NOTE: While submitting paper in this special session, please specify [**MACHINE LEARNING & BLOCK CHAIN FOR HEALTHCARE, DISEASE AND DRUG MANAGEMENT IN GENOMICS**] at the top (above paper title) of the first page of your paper.

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SPECIAL SESSION CHAIR(S) AND EXPERTS



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