ICCCNet-2024
4th International Conference on Computing and Communication Networks

**Will be held at Manchester Metropolitan University, Manchester, United Kingdom
On 17th - 18th October, 2024.
Technically Sponsored by European Alliance for Innovation**

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

SPECIAL SESSION ON
AI/ML in Life/Pharmaceutical and Health Care

SESSION ORGANIZERS:

Dr.Prasanalakshmi Balaji
College of Computer Science,
King Khalid University,
Abha, Saudi Arabia.
Email: drsanaksa@gmail.com /prengaraj@kku.edu.sa

Dr Balakumar Chandrasekaran
Faculty of Pharmacy,
Philadelphia University,
Amman – Jordan.
Email: dhillbalu@gmail.com /balakumar@philadelphia.edu.jo

SESSION DESCRIPTION:

COVID-19 pandemic and its secondary complications created severe loss of lives, health and economy in several countries, significantly. Hence, it is an urgent need of this hour to find new drugs and suitable therapeutic solutions to battle the deadly viruses. Amongst computer-aided drug design strategies, recently Artificial Intelligence (AI) attracted the researchers and industrialists to speed up the new drug design and discovery. AI involves the use of systems and software to learn and interpret the input data so that proper conclusion will be attained for certain research objectives. AI applied to pharma industries under various sectors: drug design, repurposing, drug synthesis, product development, QC,

pharmacokinetics, clinical trials, and market analysis to reduce the workload of manpower. This issue mainly focusing on addressing the significant applications of AI in all sectors of drug discovery starting from de novo drug design, target protein structure prediction/ analysis and in the establishment of drug-protein interactions to improve physicochemical properties, consequently the pharmacological activity. Further, the use of AI in the design of the synthetic route, prediction of product yield, and deducing the reaction mechanism, formulations, preclinical and applicability clinical setup will also be addressed. Moreover, a healthy discussion on the limitation and future challenges in the applications of AI in pharma and biotech sectors will be highly appreciated through your valuable contributions in the form of cutting-edge research papers, Review papers, and hypothesis.

RECOMMENDED TOPICS:

All these potential applications around the use of Artificial Intelligence will be covered in this Special Issue, which welcomes the submission of both reviews and original research articles in this area, but not limited to the following research topics:-

- AI in Drug Design
- AI in Synthesis
- AI in Polypharmacology
- AI in Drug Repurposing
- AI in Drug Screening
- AI in preclinical studies
- AI in clinical trials
- AI in Drug store and Management
- AI in Patient care and drug monitoring

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **AI/ML in Life/Pharmaceutical and Health Care** *on or before* **due date**. 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://cmt3.research.microsoft.com/ICCCNet2024. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify **AI/ML in Life/Pharmaceutical and Health Care** at the top (above paper title) of the first page of your paper.

* * * * * *