



technologies



an Open Access Journal by MDPI

Data Science and Big Data in Biology, Physical Science and Engineering

Guest Editor:

Dr. Mohammed Mahmoud

Department of Computer
Science, University of
Jamestown, Jamestown, ND
58405, USA

Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editor

Nowadays, Big Data analysis is one of the most contemporary areas of development and research. Tremendous amounts of data are generated every single day from digital technologies and modern information systems, such as cloud computing and Internet of Things (IoT) devices. Analysis of these enormous amounts of data became a crucial need and require a lot of effort in order to extract valuable knowledge for decision making which in turn will help in both academia and industry.

Big Data and Data Science have appeared due to the significant need for generating, storing, organising and processing immense amounts of data. Data Scientists strive to use Artificial Intelligence (AI) and Machine Learning (ML) approaches and models to allow computers to detect and identify what the data represents and be able to detect patterns more quickly, efficiently and reliably than humans.

The goal behind this Special Issue is to explore and discuss various principles, tools and models in the context of Data Science, besides diverse and varied concepts and techniques in Big Data in Biology, Chemistry, Biomedical Engineering, Physics, Mathematics and other areas that work with Big Data.



mdpi.com/si/78729

Special Issue



Editor-in-Chief

Prof. Dr. Manoj Gupta

Materials Group, Department of
Mechanical Engineering, National
University of Singapore, 9
Engineering Drive 1, Singapore
117576, Singapore

Message from the Editor-in-Chief

Technologies, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that *Technologies* becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, *Technologies* will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within ESCI (Web of Science), Scopus, Inspec, INSPIRE, and other databases.

Journal Rank: CiteScore - Q1 (*Computer Science (miscellaneous)*)

Contact Us

Technologies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/technologies
technologies@mdpi.com
[X@Technologies_OA](#)