DoSCI-2023
International Conference/Doctoral Symposium on Computational Intelligence

Organized by Institute of Engineering & Technology, a constituent college of Dr APJ Abdul Kalam Technical University Lucknow, India in association with University of Calabria, Italy
03rd March 2023.

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

SPECIAL SESSION ON
[Advance Conceptual Framework on Futuristic Approaches for Computational Intelligence in Health Care]

SESSION ORGANIZERS:
[Dr. Vivek Upadhyaya, Poornima University, Jaipur, India, vivek.upadhyay@poornima.edu.in
Dr. Sunil Kumar Gupta, Poornima University, Jaipur, India, dean.research@poornima.edu.in
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SESSION DESCRIPTION:
[It is anticipated that computational intelligence methods and techniques can be successfully employed in pattern recognition given their success in big data analysis applications. The significance of research in biomedical signal and image processing has increased as a result of recent advancements in artificial intelligence, big data, and machine learning. Biomedical signal processing in multiple dimensions shares conceptual similarities with biomedical image processing. It involves picture augmentation, analysis, and display using technologies for X-ray, ultrasound, MRI, nuclear medicine, and visual imaging. All scientific and engineering research domains, including biological sciences, are increasingly quickly embracing machine learning. The various facets of pattern recognition and data analytics can be handled by computational intelligence paradigms, which include many branches such neural networks, swarm intelligence, expert systems, evolutionary computing, fuzzy systems, and artificial immune systems.
The objective of this session is to compile and present recent work in which domain-specific solutions, cutting-edge techniques with broad applicability, or hybrid algorithms that combine computational intelligence with conventional numerical and mathematical techniques are used to solve challenging real-world problems in healthcare or medical domain. Reviews that examine the state of the art now are also encouraged.]

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

- **Biomedical engineering**
- **Soft computing approaches.**
- **Health care informatics**
- **Artificial intelligence techniques**

- **Medical imaging and pattern recognition**
- **Biomedical imaging and image processing**
- **Pattern mining algorithms on biological problems**
- **Computational intelligence for data analysis and pattern recognition**
- **Artificial intelligence and pattern recognition technologies for recommendation in healthcare**
- **Deep learning and machine learning algorithms for efficient indexing and retrieval in medical imaging**
- **Hardware based solutions for healthcare.**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session "**Advance Conceptual Framework on Futuristic Approaches for Computational Intelligence in Health Care**" on or before 30th December 2022. 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 http://dosciconf.com/paper_submission.html. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify Emerging Techniques, Advances and Application in Computational Intelligence at the top (above paper title) of the first page of your paper.

Important: All the authors who are submitting papers in our special issue are requested to send the mail about their submission, with paper Title, on my mail id: vivek.upadhyay@poornima.edu.in For any other queries kindly feel free to communicate with me either on mail id or on WhatsApp: +91-9680444862.

All the accepted papers (after double blinded peer review) will be published in Springer Lecture Notes on Networks & Systems (Indexing: SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago; All books published in the series are submitted for consideration in Web of Science) and extended selected papers will be published in the special issues of SCI/SCOPUS/WoS/DBLP/ACM indexed Journals.

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