



**CALL FOR PAPERS  
SPECIAL SESSION ON  
Decision Support Systems in Medicine and Biology**

**for ICCAD'23  
May 10-12, 2023, Rome-Italy**

**Session Co-Chairs:**

- Prof. Nejah Nasri, University of Gafsa - Tunisia, nejah.nasri@isecs.rnu.tn
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**Session description:**

A decision support system (DSS) is an information system designed to implement solutions and tools that help a decision maker to overcome limitations and constraints when addressing decision problems. Systems analyze information and enable human users to make better and faster decisions.

At present, these systems are very popular in health and biology. These systems allow to reduce the workflow, to access information that is not directly accessible and can be used in regions where there are few or no experts available.

These intelligent tools use as input: clinical data, signals, images, video, etc. and use data processing tools based on, supervised, unsupervised or by reinforcement machine learning methods. Correspondingly, with the development of IoT in healthcare, the use of DSS can improve considerably the management of the data generated by the E-Health activity.

This Special Session will provide an opportunity for scientists to discuss new ideas, solutions, research, and development results in this important application area.

Researchers are invited to submit their original work in Artificial intelligence in healthcare and biology, Deep and Machine Learning in developing Decision Support Systems, Medical Expert Systems ...

The topics of interest include, but are not limited to:

- Computer aided diagnosis systems
- Biomedical data processing
- AI applied to medicine
- AI applied to Biology
- Image analysis in microscopy
- Artificial Intelligence in Protein structure prediction
- Artificial Intelligence in Drug Discovery

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**SUBMISSION**

Papers must be submitted electronically for peer review by: **January 31, 2023**  
[Submission – ICCAD 2023 \(iccad-conf.com\)](http://iccad-conf.com)

All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).