



Call for Papers

Special Issue of SN Computer Science: Computer Aided Methods to Combat COVID-19 Pandemic

Submission deadline: June 7, 2020

Guest Editors:

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The ongoing Covid-19 pandemic is resulting in a devastating loss of life globally and the scientific community is uniting in multi-disciplinary urgent research to combat the crisis effectively. Since time is of essence, computer automated methods can expedite solutions in many ways. This topical issue will focus on fast but rigorous dissemination of papers on recent advances in computer aided research of Covid-19 including infection spread modeling, forecasting, medical imaging, lung CT and X-ray image analysis, etc.

This will help researchers in informed decision making and data driven solutions across multiple fields to fight the pandemic, hence the proposed special issue is of urgent significance. The main objectives of the topical issue are:

- To report applications of computer aided and automated approaches to help and expedite ongoing multi-disciplinary research in the scientific community related to fighting the covid-19 pandemic.
- To investigate new methods in computer science and information/data science to enhance and advance scientific research related to covid-19.

The sub-topics to be covered within the issue:

- Modeling: infection dynamics, pandemic spread, etc
- Imaging: machine learning for analysis of CT, X-ray, etc
- Decision-making: Diagnosis, intervention, treatment etc
- Data Engineering: Prognosis, forecasting, regression, etc
- Visualization: Mapping, graphics, representation, etc
- Data mining: web data collation, trend analysis etc

Submission Link: <https://www.editorialmanager.com/snscs/default.aspx>

Submission process: At the time of article submission, please select the Special Issue (SI) of your choice. This Topical Issue section can be found under the 'Additional Information' Section.

Please answer the question: 'Does this manuscript belong to a special issue? Yes/No'. The answer is required. Please enter 'yes', the author must choose the Topical Issue of choice, which will be:

Computer Aided Methods to Combat COVID-19 Pandemic

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