



# COVID



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## Artificial Intelligence and Machine Learning Applications for Developing the Diagnosis of COVID-19

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

The design of computational medical diagnosis and prognosis models using state-of-the-art artificial intelligence and machine learning models is a challenging research field, especially in the context of COVID-19 as the new variants emerge day by day. This Special Edition will focus on new approaches which cater to this field of research. The prognosis model should be updated with the most challenging datasets. Data pre-processing, data security, data unbalancing, and big data handling are of significant value in this regard. We expect a broad range of research ideas, including modern new approaches such as statistical machine learning, unsupervised model design, explainable artificial intelligence (XAI), representation learning, reinforcement learning, etc.

Dr. Somenath Chakraborty  
*Guest Editor*



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# Special Issue