Machine Learning Applications for COVID-19 and Its Complications: Screening, Diagnosis, Treatment, and Prognosis

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Machine learning methods are increasingly being used in medicine, including in the study of COVID-19. With increasing computing power and the growing relevance of big data in medicine, machine learning is expected to play an important role in clinical practice.

I would like to invite you to participate in this very exciting Special Issue on "Machine Learning Applications in COVID-19 and Its Complications: Screening, Diagnosis, Treatment, and Prognosis", with a focus on the use of machine learning algorithms to investigate how symptoms, clinical, demographic, laboratory, radiological imaging variables contribute to the diagnosis and prognosis of COVID-19. Examples of possible machine learning applications include, but are not limited to: i) diagnosis and prognosis of COVID-19 clinical outcomes (such as mortality and escalated care), ii) in-hospital acquired diagnosis (such as AKI and ARDS), iii) treatments (such as mechanical ventilation, steroids, and anticoagulants), and vi) diagnosis and prognosis post-acute COVID-19 sequelae. Studies on other related topics are also welcomed.

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Special Issue

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Message from the Editor-in-Chief

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