Special issue on Artificial Intelligence Techniques for Identifying Risks Post COVID-19

Artificial Intelligence has played a critical role during and after the COVID-19 outbreak, providing solutions with its intelligent algorithms. AI technology has the potential to fight COVID-19 from different perspectives, including identifying people or communities at risk of the virus. As infection rates continue to rise globally, AI systems can detect the virus, diagnose and prevent its spread. With machine learning, AI can identify individuals who are particularly vulnerable to critical complications from the virus. Healthcare networks worldwide are increasingly using AI-installed prognostic analytics models to prioritize risk stratification for patients who are extremely at risk from the COVID-19 virus. By identifying socially isolated individuals or those living without family or friends, medical care can assist communities. Once AI-based healthcare identifies patients at excessive risk of acute complications from the virus, individuals can be approached by healthcare management through text or email to help them understand what they can do to reduce their chances of infection, identify symptoms of virus infection, and access the consultation and care they require. AI-powered warning systems can also help identify epidemiological patterns by mining mainstream news, social media content, and other channels to offer early warnings that can aggregate syndromic surveillance as well as other medical networks and information flows. These tools also assist in detecting the chain of virus transmission and monitor extensive economic impacts. Certain marginalized communities, such as immigrants, low-income patients, smokers, and elderly individuals, may face greater challenges during the pandemic due to factors such as limited access to healthcare or increased risk of exposure. Proactive care services are crucial for defending these high-risk patients. AI can help global healthcare systems enhance outcomes and provide the best prevention for vulnerable communities.

This Special Issue aims to explore the use of artificial intelligence to identify communities at risk of COVID-19. We welcome researchers, practitioners, and scholars from various disciplines to submit innovative ideas for preventing the spread of the virus among vulnerable populations.
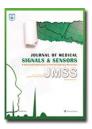
Topics of inters:

- **Artificial intelligence for identifying high-risk post covid-19 patients**

- **Identifying and Mitigating Health Risks with AI Techniques in the Post-COVID-19 World**

- **AI and machine learning for fighting with covid-19**

- **AI Techniques for Identifying and Managing Cybersecurity Risks Post-COVID-19**

- **Natural Language Processing for Risk Assessment in a Post-Pandemic World**

- **Challenges and opportunities of using AI for Covid prediction**

- **Contemporary setbacks to identify covid-19 using AI imaging**

- **The Role of Artificial Intelligence in Identifying Financial Risks Post-COVID-19**

- **Role of deep learning for prediction and diagnosis of Covid infections**

- **Risk Identification in the Hospitality Industry using AI Techniques Post-COVID-19**

- **Cloud AI and covid-19 on tracking the communities at the risk post covid-19**

- **Predictive Analysis: A Key AI Technique for Risk Identification Post COVID-19**

- **Future of AI and data science for preventing infection spread during pandemic**

Important Dates:

- ✓ **First Submission Deadline: 3 March, 2024**

- ✓ **Notification of First Round Decision: 5 May, 2024**

- ✓ **Revised Paper Submission Deadline: 7 July, 2024**

- ✓ **Notification of Final Decision: 9 Sep, 2024**

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