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Jamia Millia Islamia faculty edits 'Computational Intelligence Methods in Covid-19: Surveillance, Prevention, Prediction and Diagnosis'

Jamia MI faculty edits book titled "Computational Intelligence Methods in Covid-19: Surveillance, Prevention, Prediction and Diagnosis"

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India Today Web Desk

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Dr. Khalid Raza, one of the youngest faculty members of the Department of Computer Science, Jamia Millia Islamia (JMI), has edited a book on the ongoing Covid-19 pandemic which is published in one of the reputed series of Springer, Singapore. The book entitled 'Computational Intelligence Methods in Covid-19: Surveillance, Prevention, Prediction, and Diagnosis' has been

published in the 923rd volume of Studies in Computational Intelligence Series (H-index=62). All the chapters of the book are indexed in the scopus database.

About Jamia's Computational Intelligence Methods in Covid-19: Surveillance, Prevention, Prediction, and Diagnosis

The book contains 22 chapters covering different aspects of Covid-19 that includes fundamentals of corona viruses, epidemic forecast models, surveillance and tracking systems, IoT- and IoMT-based integrated systems for Covid-19, social network analysis systems for Covid-19, radiological images (CT, X- ray) based diagnosis system, and in silico drug design and drug repurposing methods against Covid-19 receptors.

The contributing authors of this volume are experts in their fields from JMI and other reputed institutions across the world. This volume is a valuable and comprehensive resource for computer and data scientists, epidemiologists, radiologists, doctors, clinicians, pharmaceutical professionals, along with graduate and research students of interdisciplinary and multidisciplinary sciences. The book is being sold by major online sellers including Amazon, and Springer.

The Vice- Chancellor of JMI Prof. Najma Akhar congratulated Dr. Raza for the contributions towards the application of computational intelligence to fight against Covid-19.

Who is Dr. Khalid Raza?

Dr. Raza is a PhD in the area of Computational Biology & Soft Computing from JMI. Earlier, he has been an ICCR Chair Professor at Ain Shams University, Cairo, Egypt. He has contributed over 60 research articles in peer-reviewed international journals, conference proceedings, and chapters in the books by reputed publishers like Springer, Elsevier, CRC, IEEE, and Wiley, including 6 articles on COVID- 19. He has been the PI of two Govt. funded research projects. Currently, he is supervising 4 PhD students. Dr. Raza's research work focuses on the development of bioinformatics algorithms, systems biology, and computational intelligence and its applications in bioinformatics.



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