

Call for Book Chapter for Edited Book “Evolutions of 3D Printing Technology for Fighting COVID-19 Pandemic

Dear Professors/Researchers,

Springer has recently authorized the publication of a new monograph “Evolutions of 3D Printing Technology for Fighting COVID-19 Pandemic” in Book series "Lecture Notes in Bioengineering".
<https://www.springer.com/series/11564>

The book will be aimed to present various practical outbreaks of 3d printing technologies on developing different types of tools and gadgets to get prepared for fighting COVID-19.



Scopus Index

Editors:

Asst. Prof (Mr.) Kamalpreet Sandhu, Lovely Professional University, Punjab, India

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This book will present multidisciplinary aspects of the evolutionary growth of this exceptional technology, including social, medical, administration, and scientific. This book will present state of the art applications of 3D printing technology including the development of PPE, ventilators, respiratory, and customized drugs. Moreover, a variety of research activities, at R&D centers, academic institutions, and commercial enterprises, will be covered via incorporating research, review, technical notes, and short communications. Overall, it is believed that the combined efforts of the editorial team members and contributing authors will provide this book a huge attention across R&D. On the top, the increasing level of asymptomatic carriers and their commutes are the most critical parameters boosting the spread of COVID-19. Further, the demand for medical treatments, personal protective equipment (PPE), essential frontline gadgets, and accessories for the funeral homes and end-of-life rituals has increased at a drastic rate.

The book is divided into following Chapters.

Chapter 1: Applications of 3D Printing Technologies in Safety and Health

Chapter 2: Developing Personal Protective Equipment against COVID-19

Chapter 3: Hybrid 3D Printing Technologies to Speed-up the Production Cycles

Chapter 4: Effectiveness of 3D Printing Technologies for Developing Ventilators, Test Swabs, and Respirators

Chapter 5: Evaluation of the 3D Printed Devices for Quality Characteristics

Chapter 6: Hurdles of 3D Printing Technologies for Customized Manufacturing

Chapter 7: Fostering Novel Materials and Subsisting Technologies for 3D Printing

Chapter 8: Making 3D Printing Ready for Biological Crises

Chapter 9: COVID-19 Success Stories of 3D Printing

The deadlines are as follows:

Title, authors and 1-Page Abstract- 30th June 2020.

Final submission - 30th September 2020.

Notification of review: 31th October 2020.

Submission Procedure:

Researchers and practitioners are invited to submit a book chapter Proposal (200 words) before 30st June 2020. All proposals should be submitted through email to:

1. Dr. Sunpreet Singh, Email: snprt.singh@gmail.com

2. Dr. Chander Prakash, Email: chander.mechengg@gmail.com

3. Asst. Prof (Mr.) Kamalpreet Sandhu, Email: pr33t.sandhu1994@gmail.com