

**Empyrean Press Book Publication House**  
**Covid 19 and Genomic Variations : An Extensive Clinical Investigation**  
**ISBN Number: 978-81-979332-0-2**

**Call for Book Chapter**

Scope- The book "Covid-19 and Genomic Variations: An Extensive Clinical Investigation" delves at the genetic variations of the SARS-CoV-2 virus and their clinical implications. It investigates how mutations have affected the virus's propagation, pathogenicity, and resistance to drugs and vaccinations. The book discusses essential subjects such as worldwide genomic sequencing efforts, the emergence of concerning variations, and the clinical outcomes linked with various strains. It also investigates the influence of genetic variants on vaccination efficacy, therapeutic interventions, and public health responses, providing vital insights into the future management of pandemics using genomic medicine and customized healthcare approaches.

**Submissions are accepted in the following areas, but not limited to:**

- i. Introduction to Covid-19 and Genomics
- ii. Basics of viral genomics: structure, replication, and mutation processes
- iii. The role of genomics in understanding virus behavior and pandemic management
- iv. The importance of real-time sequencing in identifying emerging variants

- v. Mutations and Variants: The Science of Viral Evolution
- vi. Detailed examination of major variants (e.g., Alpha, Beta, Delta, Omicron).
- vii. Variant affected transmission rates, disease severity, and mortality
- viii. The future of vaccine design: mRNA vaccines and next-generation approaches
- ix. Impact of viral mutations on antiviral drugs and treatments (e.g., monoclonal antibodies, remdesivir)
- x. Clinical characteristics and outcomes associated with different variants.
- xi. Risk factors for severe disease with specific genomic profiles (age, comorbidities, immune response).
- xii. Personalized medicine approaches in the context of Covid-19.
- xiii. The ethical challenges of genomic data sharing in a global health crisis.
- xiv. Privacy, consent, and the risks associated with genomic surveillance.

Submission - Please send the one-page write-up, which includes the chapter title, an abstract (maximum 250 words), five key words, and the author's affiliation, to the mentioned email address. Further instructions regarding the full chapter submission will be provided upon acceptance.

**Submission Information**

**Submission email –**

[info.empyreanpress@gmail.com](mailto:info.empyreanpress@gmail.com)

Contact No & Whatsapp- +919649851557

**Important Dates-**

Abstract Submission Deadline- 5/11/2024

Chapters Submission-20/11/2024

**Editor**

**Dr Saswat Subhankar**

Associate Professor

Department of Respiratory Medicine  
(Pulmonary Medicine)

Kalinga Institute of Medical Sciences

Bhubaneswar