

About The Book

This work attempts to provide a comprehensive description of the antimicrobial and antitoxic actions of clay minerals, which facilitate their applications as disinfectants and medicines ingredients. While the presently available literatures highlight only a few aspects of medicinal clays, a comprehensive text on all their major therapeutic applications is lacking. This book endeavors to fill up this lacuna.

It further elucidates the properties of clay minerals that facilitate their antimicrobial and antitoxic actions, and how these properties are related to the chemical compositions and internal structures of the mineral groups.

The simple, easily comprehensible definitions, and explanations of all relevant scientific terms provided in this book will help the beginners to develop a clear understanding and remove any confusion resulting from the ambiguous usage of these terms in the existing literature.

Content

- 1) An Overview of the Clay Minerals: Composition, Classification, Internal Structure and Properties
- 2) Clay-induced Antimicrobial and Antitoxic Mechanisms: How do the Clays Protect Us From Pathogens and Toxins?
- 3) Traditional Applications of the Antimicrobial and Antitoxic properties of Clay Minerals
- 4) Antimicrobial Applications of Clays and Their Derivatives in Protection of Human Health
- 5) Antitoxic Applications of Clays in the Protection of Human Health
- 6) Clays in the Global War Against COVID-19: Why are They Preferable Over the Conventional Weaponry?
- 7) The Present and the Future: Advantages, Drawbacks, and Future Prospects of Clays for Protection of Human Health