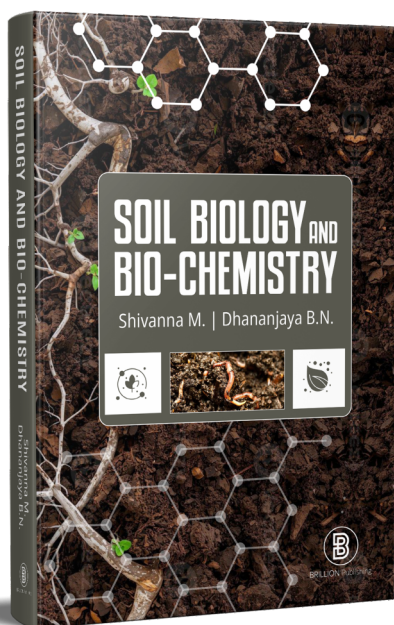




SOIL BIOLOGY AND BIO-CHEMISTRY



The book entitled soil biology and biochemistry written in a comprehensive easily understandable manner concerned to the soil health, plant growth and soil biochemistry in relation to soil micro and macro-organisms. In addition to the advances in soil research, it describes the types of organisms dwelling in soil, (soil biota) soil microbial biomass, their interactions. This book provides an overview of the biodiversity of soil micro-organisms, rhizosphere and phyllosphere regions. The book also highlights the biodegradation of pesticides, organic wastes, plastics, microbial toxins and decomposition of organic manures by soil organisms. This book elaborately describes the microbial biomass which is a part of the active Soil organic matter pool, and as -an indicator of state and change of total soil organic matter. It also presents measures for enzyme activity in the soil as an indicator of soil biological status. It encourages young researchers and teachers to deepen their knowledge. Detailed knowledge concerning the role of soil organisms on enhancing soil fertility, nutrient transformation and crop productivity enlightens the students and scholars. This text book is an excellent reference for agricultural professionals and post-graduates to execute the research works and provide fundamental knowledge on soil organisms. These compilations allow us to get a good grasp of the complexity of soil biological properties.

The book **Soil biology and biochemistry** have been written in a simple language and understandable manner. The contents of the book include 16 chapters. All chapters should be thoroughly viewed as a concise collection of various topics from different books, journals, bulletins, research articles and research papers etc. Figures and tables have also been provided wherever necessary. It is hoped that this textbook will help to improve the knowledge of students regarding soil organisms. All suggestions and criticisms for further improvement of this book will be thankfully acknowledged.

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