

About the Book

Soil and soil microbiology which is organized and presented in a comprehensive manner. This book is designed to introduce natural processes and their applications in agriculture and horticulture. The overall goal of this process toward the development of sustainable agriculture now, and in the future, will be to reduce the negative impact of agriculture on the environment and to meet the needs of society. In this book, the emphasis is on the application of the various principles of soil microbiology to the management of soils and plants. The book represents the latest developments available in soil microbial biology and its applications.

About the Editor



Purni Ghosh, M.Sc., Ph.D., is an Assistant Professor at the Soil Science Department, Jawaharlal Nehru Agricultural University, Raipur, Chhattisgarh, India. He has received his Ph.D. from Indian Institute of Technology, Roorkee, India, and his M.Sc. from the same institution. He has completed his postdoctoral training at the University of Guelph, Ontario, Canada. His research interests include soil microbiology, soil chemistry, and soil physics. He has published numerous papers in international journals and books, and has given several invited lectures at national and international conferences.

(Theory to Applications)

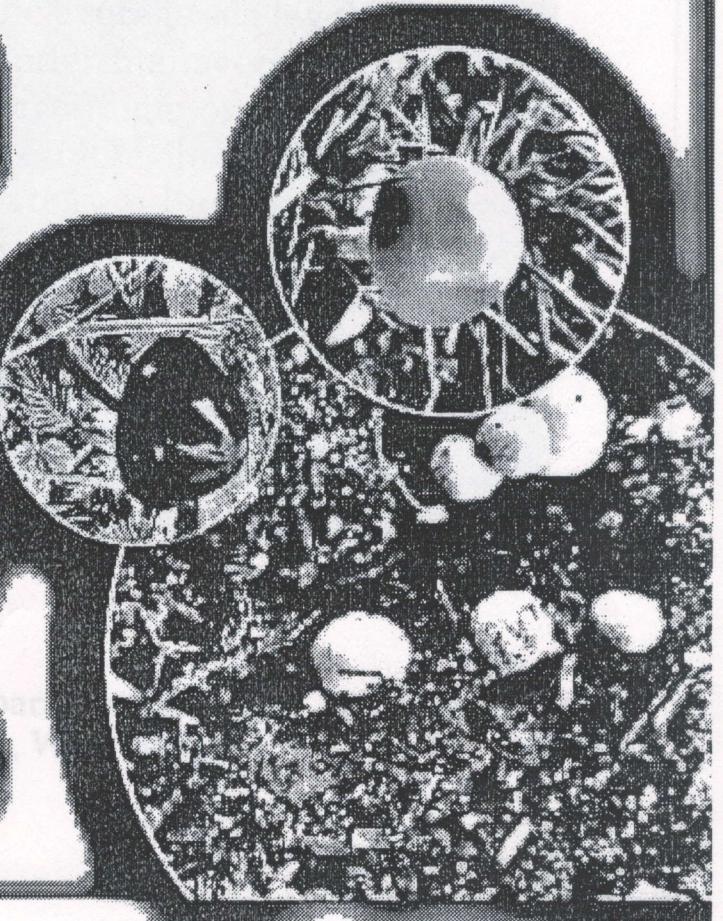
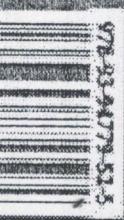
Plant Soil
Microbial Interactions

Plant Soil Microbial Interactions (Theory to Applications)

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Dr. Purni Ghosh

Bharti

Bharti Publications, New Delhi
www.bhartipublications.com
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Low Lying Land and Indigenous Farming

Dr. Pampi Ghosh*

Abstract

On earth's surface many areas have uncultivable land due to water scarcity or water logging condition and plants are unable to grow and make their yield for people's livelihood. But in contrary people make the land cultivable. Near sea shores or nearer to lake side, people trying to set up management practices to cope up the harsh condition and make the land productive. In many countries low lying means the land below the sea level and always filled with water which is a hostile condition for cultivation of food crops. Some countries like Netherlands, Denmark, Estonia are natural low lying lands below the average sea level elevation but agricultural practices are under managed condition. In a nutshell, the paper focuses on indigenous techniques in low lying but water logged areas in the abroad. Authors and readers will try to search such areas in Indian subcontinent for enlighten the indigenous knowledge of the aborigines of the particular area for the betterment of the society and conserve the techniques and biodiversity too.

Keywords: Low lying land, GIAHS, crop farming, fish farming and management.

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