FRESHWATER MICROBIOLOGY

Perspectives of Bacterial Dynamics in Lake Ecosystems

Suhaib A. Bandh, *Assistant Professor, S.P. College Campus, Cluster University, Srinagar, India*
Sana Shafi, *Assistant Professor, S.P. College Campus, Cluster University, Srinagar, India*
Nowsheen Shameem, *Assistant Professor, S.P. College Campus, Cluster University, Srinagar, India*

Freshwater Microbiology: Perspectives of Bacterial Dynamics in Lake Ecosystems provides a comprehensive and systematic analysis of microbial ecology in lakes. It offers basic information on how well the bacterial community composition varies along the spatio-temporal and trophic gradients along with the evaluation of the bioindicator species of bacteria so as to act as a key to predict the trophic status of lake ecosystems. The book helps to identify the factors of potential importance in structuring the bacterial communities in lakes as it delves into the dynamics and diversity of bacterial community composition in relation to various water quality parameters. It helps to identify the possibility of bioremediation plans and devising future policy decisions, with better conservation and management practices.

Key Features

- Provides a comprehensive and systematic analysis of microbial ecology
- Helps to identify the factors of potential importance in structuring the bacterial community composition
- Gives insight into the bacterial diversity of freshwater lake ecosystems along with their industrial potential
- Caters to the needs and aspirations of students and professional researchers

About the Editor

Dr. Suhaib A. Bandh has a PhD in Environmental Science (with a specialization in Environmental Microbiology) from the University of Kashmir, under the joint supervision of Prof. Azra N. Kamili and Prof. Bashir A. Ganai. Currently he is working as an Assistant Professor in Environmental Science in Sri Pratap College Campus, Cluster University Srinagar.

ISBN 978-0-12-817495-1
9 780128 174951

ELSEVIER

ACADEMIC PRESS
An imprint of Elsevier
elsevier.com/books-and-journals