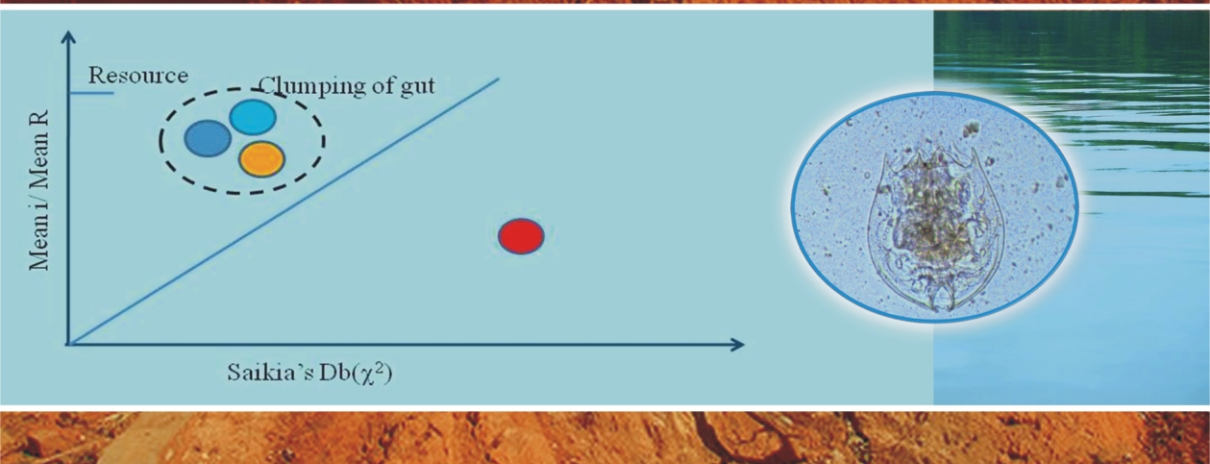


# LABORATORY HAND BOOK ON BASIC ECOLOGY

(SOIL, WATER, PLANKTON AND FEEDING ECOLOGY WITH SPECIAL  
MENTION TO PERIPHYTON)

SURJYA KUMAR SAIKIA  
DEBANGSHU NARAYAN DAS





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*To*

*my parents.....*

*whose every memory is a living lesson  
of struggle in life.*

*-Surjya Kumar Saikia*







## Preface

Laboratory work requires understanding and thorough knowledge of principles and working mechanism of experiments. Analysis of ecological parameters, especially soil and water involves skilled technical hand. The present book is a synthesized work to cover all these aspects in one place. The book is divided into four sections - Section I, II, III and IV. Each section is further subdivided into several Chapters for convenience. The part chemical analysis of soil and water include all principles and chemical reaction related to experiments concerned. The book has mathematical details for plankton and periphyton studies. The part diversity and feeding ecology studies denote special feature to the book. The experiments mentioned in this book are simple and fit for undergraduate and post graduate classes. In addition, it has been designed to help researchers working in aquatic ecological laboratories.

The authors would be grateful for any comments, suggestions and criticisms from the users of this handbook.

*Dr. Surjya Kumar Saikia*  
*Professor Debangshu Narayan Das*

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*Dr. Surjya Kumar Saikia*

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