





Protozoological Monographs

**Wilhelm Foissner (Editor)**

**Protozoological Monographs**

Vol. 1

Ettl, M. / Foissner, W. / Ricci, N. / Erra, F.

Shaker Verlag  
Aachen 2000

Die Deutsche Bibliothek - CIP-Einheitsaufnahme

*Foissner, Wilhelm (Editor):*

Protozoological Monographs : Vol. 1 / Wilhelm Foissner (Editor).

Aachen : Shaker, 2001

(Protozoological Monographs ; Vol. 1)

ISBN 3-8265-8036-2

Copyright Shaker Verlag 2001

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the publishers.

Printed in Germany.

ISBN 3-8265-8036-2

ISSN 1437-7012

Shaker Verlag GmbH • P.O. BOX 1290 • D-52013 Aachen

Phone: 0049/2407/9596-0 • Telefax: 0049/2407/9596-9

Internet: [www.shaker.de](http://www.shaker.de) • eMail: [info@shaker.de](mailto:info@shaker.de)

# EDITORIAL

**Protozoological Monographs** is an international journal, which publishes significant and pertinent reviews and monographs on all kinds of heterotrophic protists, free-living and parasitic. Original research monographs (e.g., doctoral dissertations, habilitation theses, grant projects) and regular reviews are equally welcome, ranging from alpha-taxonomy to cell biology and molecular biology. Especially welcome are original and monographic taxonomic research articles from poorly known geographical regions and habitats, such as South America, tropical rain forests, and deserts.

A series lives from the quality and quantity of the manuscripts submitted. Everyone is invited to contribute within the frame outlined above. Volumes will be published irregularly, depending on the manuscripts available. As there are always many things which can be improved in a monograph or review, we have an open, friendly review procedure facilitating not only the review process but also encouraging personal contacts and interests. The reviewer board consists of respected colleagues from many fields and all over the world.

Founding and publishing a new protozoological journal is a risky adventure, considering the size of the field in general, impact points, and the financial restrictions universities and libraries are subjected. SHAKER is a young, dynamic publisher in Aachen, Germany, and will do the best to keep costs low. Thus, manuscripts must be submitted camera ready and a small page charge (about 4 US dollar / text page and 40 dollar for each halftone plate, which are reproduced in high quality) will be requested.

I thank the publisher and colleagues from the reviewer board for participating in this adventure.

Wilhelm Foissner  
Editor-in-Chief



# **The Ciliate Community (Protozoa: Ciliophora) of a Municipal Activated Sludge Plant: Interactions between Species and Environmental Factors**

**Marina Ettl<sup>a</sup>**

*Private Laboratory, Großseelheimer Straße 33a, D-35039 Marburg, Germany.  
FAX: +49(0)6421 161690, e-mail: Marina.Ettl@t-online.de*

1. Introduction
2. Materials and Methods
  - 2.1. Characterization of the Sewage Treatment Plant
  - 2.2. Sampling
    - 2.2.1. One-Year Samplings
    - 2.2.2. Eight-Day Samplings
  - 2.3. Identification of Organisms
  - 2.4. Nomenclature and Systematics
3. Results
  - 3.1. One-Year Samplings and Eight-Day Samplings: Characterization of the Mixed Liquor Fauna
    - 3.1.1. Species Composition
    - 3.1.2. Dominance Structure
    - 3.1.3. Abiotic Data
  - 3.2. Interactions within the Community
    - 3.2.1. Protozoan Interactions
    - 3.2.2. Influence of Abiotic Factors
  - 3.3. Statistical Analyses and the Representative Use of Data
4. Discussion
  - 4.1. Species Composition
  - 4.2. Dominance Structure
  - 4.3. Protozoan Interactions
  - 4.4. Influence of Abiotic Factors
  - 4.5. Statistical Analyses and the Representative Use of Data
5. Summary and Prospects
6. Acknowledgements
7. References

---

<sup>a</sup> Doctoral dissertation at FU Berlin and Marburg University.