



Abstracts by Helmut Berger

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The Ciliate Atlas - Morphology and Ecology of the Ciliated Protozoa Used as Indicators of Water Quality, WILHELM FOISSNER, HUBERT BLATTERER, HELMUT BERGER and FRITZ KOHMAN, Universität Salzburg, Hellbrunnerstrasse 34, A-5020 Salzburg.

Ciliates are excellent indicators of water quality. In spite of this, they are increasingly ignored by field ecologists mainly because their identification is supposedly more difficult than that of the mesofauna. This is correct inasmuch as handsome and accurate identification literature is lacking - a shortage which should be redressed by our "ciliate atlas". Furthermore, we reviewed the faunistic and ecologic literature distributed in thousands of small papers. This provides the saprobic evaluation of individual species with a more reliable basis and shows research needs. In our atlas each species is pre-identified by a simple picture-key; for accurate determination it is, however, also described in detail and documented by excellent line drawings, light micrographs and scanning electron microscopic micrographs. The revision will comprise four volumes with about 90 species each and addresses not only river ecologists but also those who are engaged in the management of sewage plants, lakes and drinking waters. Printing quality is high and the price is low due to support by the Bavarian government. Volume I (Cytrophorida, Oligotrichida, Hypotrichia, Colpodea) is already available and can be ordered from the senior author (W. Foissner) or from the publisher (Bayrisches Landesamt für Wasserwirtschaft, Lazerettstrasse 6, D-8000 München 19, Germany). Price (including postage) for overseas orders 80 US-Dollar. The book has 478pp., 1320 figures and 34 tables.

Links

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Genera and higher taxa treated:

Volume I: Cyrtophorida, Chilodonella, Odontochlamys, Thigmogaster, Pseudochilodonopsis, Trithigmostoma, Phascolodon, Chlamydonellopsis, Chlamydonella, Trochilia, Dysteria, Trochilioides, Oligotrichida, Halteria, Pielagohalteria, Strombidium, Strobilidium, Tintinnidium, Tintinnopsis, Codonella, Hypotrichia, Hypotrichida, Stichotrichia, stichotrichous, Stichotricha, Chaetospira, Hypotrichidium, Urostyla, Holosticha, Uroleptus, Paraurostyla, Kerona, Gastrostyla, Pleurotricha, Oxytricha, Tachysoma, Histriculus, Sterkiella, Stylonychia, Steinia, Euplotes, Aspidisca, Copodea, Colpoda, Cyrtolophosis, Platyophrya, Bursaria, Bursaridium

Volume II: Peritrichia, Vorticella, Pseudovorticella, Carchesium, Zoothamnium, Opercularia, Epistylis, Campanella, Ophrydium, Rhabdostyla, Scyphidia, Cothurnia, Lagenophrys, Platycola, Pyxicola, Thuricola, Vaginicola, Astylozoon, Hastatella, Opisthonecta, Trichodina, Heterotrichida, Spirostomum, Stentor, Blepharisma, Pseudoblepharisma, Linostoma, Climacostomum, Metopus, Bothrostoma, Brachonella, Tropidoattractus, Caenomorpha, Odontostomatida, Pelodinium, Epalxella, Saprodinium, Discomorphella

Volume III: Hymenostomata, Dexiostoma, Colpidium, Paracolpidium, Tetrahymena, Glaucoma, Epenardia, Ophryoglena, Paramecium, Frontonia, Disematostoma, Urocentrum, Marituja, Stokesia, Lembadion, Philasterides, Uronema, Kahlilembus, Dexiotricha, Loxocephalus, Cinetochilum, Platynematum, Sathrophilus, Dexiotrichides, Urozoona, Pseudocohnilembus, Pleuronema, Calyptotricha, Ctedoctema, Cyclidium, Prostomatida, Apsiktrata, Apsiktratidae, Holophrya, Prorodon, Urotricha, Balanion, Plagiocampa, Placus, Coleps, Bursellopsis, Trimyema, Nassulida, Zosterodasys, Chilodontopsis, Nassulopsis, Nassula, Obertrumia, Leptopharynx, Pseudomicrothorax, Drepanomonas, Microthorax, Hexotricha

Volume IV: Gymenostomatea, Gymnostomatida, Spathidiida, Cyclotrichida, Chaenea, Enchelyodon, Enchelys, Lacrymaria, Phialina, Lagynus, Lagynophrya, Trachelophyllum, Dileptus, Monilicaryon, Paradileptus, Trachelius, Homalozoon, Spathidium, Didinium, Monodinium, Actinobolina, Askenasia, Mesodinium, Plagiopyla, Pleurostomatida, Amphileptus, Litonotus, Acineria,

Loxophyllum, Loxodes, Suctorina, Tokophrya, Staurophrya, Dendrosoma, Heliophrya, Acineta, Enchelyomorpha, Prodiscophrya, Podophrya, Sphaerophrya, Parapodophrya, Metacineta

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