

BOOK REVIEW

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VAN DE VIJVER, B., TUDESQUE, L. and ECTOR, L. (eds) (2017): *Diatom taxonomy and ecology. From France to the sub-Antarctic islands. Celebrating the work and life of Prof. Dr. René Le Cohu on the occasion of his 80th birthday.* – Nova Hedwigia, Beiheft 146, J. Cramer in Borntraeger Science Publishers, Stuttgart, 325 pp. (ISBN 978-3-443-51068-8)

This volume is dedicated to Prof. Dr. René Le Cohu, Professor at the University of Rennes and Paul Sabatier University in Toulouse, on the occasion of his 80th birthday. Professor Le Cohu had a distinguished and prominent career on the taxonomy and ecology of algae, especially diatoms. He taught the different possible approaches to the ecology of freshwater algae such as succession, dynamics and vertical distribution of phytoplankton. Furthermore, he has had several memberships in the following associations: French Association of Limnology, Freshwater Biological Association, Society of Ecology, Society of Phycology and the French Society of Systematic and Association of French-speaking Diatomists (ADLaF). Moreover, he has been one of the founding members of the latest one.

This volume contains 22 papers mainly from well-known diatomists of the world, covering a wide geographical range from France, where Prof. Le Cohu started his research, to the sub-Antarctic islands from where he has described a great number of diatoms.

This book is started with an article presenting Prof. Le Cohu's life and career. At the end of the volume diatom taxa described or recombined by Le Cohu, diatom taxa dedicated to him and publications written by him are listed. Most of the papers in the book describe taxonomic investigations providing revisions of several taxa and the descriptions of 23 new species, three new genera and even a new family and a new order. Besides studies dealing with diatom biodiversity, ecology, paleo-ecology and biogeography can be found. The authors applied not only morphological methods but DNA techniques, as well.

This book involves a lot of figures, tables and good quality light and scanning electron microscopic photographs helping the readers better understand the papers. It can be recommended to students and researchers working in diatomology.

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