

REVIEW

PUT O. ANG (ed.): **Asian Pacific Phycology in the 21st Century: Prospects and Challenges**. Developments in Hydrobiology 173, reprinted from Hydrobiologia Vol. 512. Kluwer Academic Publishers, Dordrecht/Boston/London, 2004. 278 pp., illus. ISBN 1-40201-724-3. Price: EUR 90.

These proceedings of the second Asian Pacific Phycological Forum, held in Hong Kong, China, 21–25 June 1999, contain an anthology of peer-reviewed papers written by (mainly) phycologists working in Pacific Asia. The invited papers deal with marine algal ecology, phycological activities in China and microalgae, while other main topics are ecology, seaweed farming and aquaculture, cell biology, morphology and systematics, harmful algal blooms and biochemical, pharmaceutical and nutraceutical applications. The publication is well printed and bound and the figures are of good quality.

Of course, several of the papers are somewhat dated because phycological science has progressed since 1999. In several cases, however, papers have been updated before publication. Therefore, both the surveys and the research papers contain information that has not been published elsewhere and it is useful to have this publication available.

There is no index, so it is necessary to search manually through the book to find any newly described species. There are three papers in which new species have (correctly) been described: Lamping Ding and Baoren Lu describe four new species in the Heterokontophyta (Phaeophyceae), viz. three new species in *Eudesme* and one new species in *Sphaerotrichia*. Baoren Lu & C.K. Tseng describe four new species in *Sargassum* (Phaeophyceae) and Bang-Mei Xia, C.K. Tseng & Yong-Qiang Wang describe a new species in *Pterocladia* (Rhodophyta). I have checked if these new names have been entered in the database AlgaeBase (M.D. Guiry & E. Nic Dhonncha, 2004; algaebase version 2.1. World-wide electronic publication, National University of Ireland, Galway. <http://www.algaebase.org>; searched on 23 November 2004), but I found only data on the four *Sargassum* species (and one forma described for one of these new species). In all these *Sargassum* entries there was a reference to Tseng & Lu, 2000, Flora algarum marinarum sinicarum Tomus III Phaeophyta No. II Fucales. However, the Chinese descriptions in that Flora are not provided with a Latin diagnosis, thus the new species have not been validly published in 2000 but only in 2004.

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