

## Spore output in 24 Asian bryophytes

Qiong He & Rui-Liang Zhu

*Department of Biology, East China Normal University, 3663 Zhong Shan North Road, Shanghai 200062, China*

*Received Nov. 13, 2009, accepted Dec. 27, 2009*

He, Q. & Zhu, R.-L. 2010: Spore output in 24 Asian bryophytes. — In: Koponen, T., Piippo, S. & Reinikka, E. (eds.), Dr. Ming-Jou Lai Memorial Volume. — *Acta Bryolichenologica Asiatica* 3: xx-xx.

We report spore output per capsule in 24 species of bryophytes collected in China and Singapore. Estimates were made from haemocytometer counts in 10 % sucrose solution. The spore output of 20 species was estimated for the first time. The mean spore output per capsule ranged from 1 450 in *Trocholejeunea sandvicensis* (Gottsche) Mizut. (Lejeuneaceae) to 8 983 000 in *Polytrichum commune* Hedw. (Polytrichaceae). With one exception, mosses had a higher spore output than liverworts. The spore numbers of several species investigated here agree with results obtained in previous investigations.

Key words: China, liverworts, mosses, Singapore, spore output