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**Colourful coexistence : a new solution to the plankton paradox**

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## Curriculum Vitae

Maayke Stomp was born on the 10th of July, 1976 in Alphen aan den Rijn, The Netherlands. After following secondary school at the Christelijk Lyceum in Alphen aan den Rijn she studied Milieu Wetenschappen aan de Vrije Universiteit Amsterdam (VUA). She graduated in 2001, with majors in Aquatic Ecology and Theoretical Biology. Directly after graduation, she started her Ph.D with the work described in this thesis under supervision of Prof. dr. Jef Huisman in the group Aquatic Microbiology at the Universiteit van Amsterdam (UvA). The research resulted in several publications and this thesis. As of January 2008 she is a Postdoctoral Research Associate at the Michigan State University (MSU) at W. K. Kellogg Biological Station in the lab of Dr. Chris A. Klausmeier and Dr. Elena Litchman.

## Publications

- Stomp M, van Dijk MA, van Overzee HMJ, Wortel MT, Sigon CAM, Egas M, Hoogveld H, Gons HJ & Huisman J. The time scale of phenotypic plasticity, and its impact on competition in fluctuating environments. *American Naturalist* (in press)
- Atamna-Ismaeel N, Sabehi G, Sharon I, Witzel K-P, Labrenz M, Jürgens K, Barkay T, Stomp M, Huisman J & Béjà O (2008). Widespread distribution of proteorhodopsins in freshwater and brackish ecosystems. *ISME Journal* **2**: 656-662
- Haverkamp T, Acinas SG, Doeleman M, Stomp M, Huisman J & Stal LJ (2008). Diversity and phylogeny of Baltic Sea picocyanobacteria inferred from their ITS and phycobiliprotein operons. *Environmental Microbiology* **10**: 174-188
- Stomp M, Huisman J, Vörös L, Pick FR, Laamanen M, Haverkamp T & Stal LJ (2007) Colourful coexistence of red and green pico-cyanobacteria in lakes and seas. *Ecology Letters* **10**: 290-298
- Stomp M, Huisman J, Stal LJ & Matthijs HCP (2007) Colourful niches of phototrophic microorganisms shaped by vibrations of the water molecule. *ISME journal* **1**: 271-282
- Bodelier PLE, Stomp M, Santamaria L, Klaassen M & Laanbroek HJ (2006) Animal-plant-microbe interactions: direct and indirect effects of swan foraging behaviour modulate methane cycling in temperate shallow wetlands. *Oecologia* **149**: 233-244
- Stomp M, Huisman J, De Jongh F, Veraart JA, Gerla D, Rijkeboer M, Ibelings BW, Wollenzien UIA & Stal LJ (2004) Adaptive divergence in pigment composition promotes phytoplankton biodiversity. *Nature* **432**: 104-107

## Award

WiF Best Publication Prize 2007

