

Mark A. van Dijk



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Current Position: Post Doc.

Supervisor: Dr. Raffaella Casotti

Appointed on project: ENPI S&T MED

Affiliation:

Section IME, Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
University of Amsterdam, the Netherlands	Bachelor	1999-2004	Biology
University of Amsterdam, the Netherlands	Master (Laurea)	2004-2006	Limnology and Oceanography
Netherlands Institute for Ecological Research (NIOO), dep. Microbial Ecology, Center for Limnology (CL), Nieuwersluis, and Marine Microbial Ecology, Center for Estuarine and Marine Ecology (CEME, now NIOZ-Yerseke), Yerseke.	Ph.D.	2006-2015	Natural variability in the optical properties of phytoplankton
Royal Netherlands Institute for Sea Research (NIOZ) with the department for Marine Evolution and Ecology (MEE),	Junior scientist		Fluorometric measurements of phytoplankton primary production

Publications

Author or co-author of 8 publications on ISI-journals

List of publications of the last 10 years

Journal Papers

- G.M. Silsbe, K. Oxborough, D.J. Sugget, R.M. Forster, O. Komárek, E. Lawrenz, O. Prášil, R. Röttgers, M. Sicner, S.G.H. Simis, M.A. van Dijk, J.C. Kromkamp. (2015) Towards autonomous measurements of photosynthetic electron transport: An evaluation of active fluorescence-based measurements of photochemistry. *Limnology and Oceanography Methods*, vol 13(3), doi: 10.1002/lom3.10014
- A.M. Verschoor, M.A. van Dijk, J. Huisman, E. van Donk. (2013) Elevated CO₂ concentrations affect the elemental stoichiometry and species composition of an experimental phytoplankton community. *Freshwater Biology*, Volume 58(3), doi: 10.1111/j.13652427.2012.02833.x
- Malkassian, D. Nerini, M.A. van Dijk, M. Thyssen, C Mante, G. Gregori. (2011) Functional analysis and classification of phytoplankton based on data from an automated flow cytometer data. *Cytometry part A*, 79(4), doi: 10.1002/cyto.a.21035.
- M.A. van Dijk, G. Gregori, H.L. Hoogveld, M. Rijkeboer, M. Denis, A. Malkassian, H.J. Gons. (2010) Optimizing the setup of a flow cytometric cell sorter for efficient quantitative sorting of long filamentous cyanobacteria. *Cytometry part A*, 77(10), doi: 10.1002/cyto.a.20946.
- Y. Zhang, E. Zhang, Y. Yin, M.A. van Dijk, L. Feng, Z. Shi, M. Liu, B. Qin. (2010) Characteristics and sources of chromophoric dissolved organic matter in lakes of the Yungui Plateau, China, differing in trophic state and altitude. *Limnology and Oceanography*, vol. 55(6), doi: 10.4319/lo.2010.55.6.2645
- Y. Zhang, M.A. van Dijk, M. Liu, G. Zhu, B. Qin. (2009) The contribution of phytoplankton degradation to chromophoric dissolved organic matter (CDOM) in eutrophic shallow lakes: Field and experimental evidence. *Water Research*, vol 43(18), doi:10.1016/j.watres.2009.07.024.
- Y. Zhang, M. Liu, M.A. van Dijk, G. Zhu, Z. Gong, Y. Li, B. Qin. (2009) Measured and numerically partitioned phytoplankton spectral absorption coefficients in inland waters. *Journal of Plankton Research*, vol. 31(3), doi: 10.1093/plankt/fbn115
- M. Stomp, M.A. van Dijk, H.M.J. van Overzee, M. Wortel, C. Sigon, M. Egas, H. Hoogveld, H.J. Gons, J. Huisman. (2008) The timescale of phenotypic plasticity and its impact on competition in fluctuating environments. *The American Naturalist*, vol. 172(5), doi: 10.1086/591680.