



























- bloom dynamics in the Baltic Sea. *Estuar. Coast. Shelf Sci.* 73:489-500.
- Shi K, Zhang Y, Xu H, Zhu G, Qin B, Huang C, Liu X, Zhou Y, Lv H, 2015. Long-term satellite observations of microcystin concentrations in Lake Taihu during cyanobacterial bloom periods. *Environ. Sci. Technol.* 49:6448-6456.
- Shuchman RA, Leshkevich G, Sayers MJ, Johengen TH, Brooks CN, Pozdnyakov D, 2013. An algorithm to retrieve chlorophyll, dissolved organic carbon, and suspended minerals from Great Lakes satellite data. *J. Great Lakes Res.* 39:14-33.
- Simis SGH, Peters SWM, Gons HJ, 2005. Remote sensing of the cyanobacterial pigment phycocyanin in turbid inland water. *Limnol. Oceanogr.* 50:237-245.
- Simis SGH, Ruiz-Verdu A, Antonio Dominguez-Gomez J, Pena-Martinez R, Peters SWM, Gons HJ, 2007. Influence of phytoplankton pigment composition on remote sensing of cyanobacterial biomass. *Remote Sens. Environ.* 106:414-427.
- Slim K, Fadel A, Atoui A, Lemaire BJ, Vinçon-Leite B, Tassin B, 2014. Global warming as a driving factor for cyanobacterial blooms in Lake Karaoun, Lebanon. *Desalin. Water Treatm.* 52: 2094-2101.
- Steffen W, Crutzen PJ, McNeill JR, 2007. The Anthropocene: are humans now overwhelming the great forces of nature. *Ambio* 36:614-621.
- Steinberg CEW, Hartmann HM, 1988. Planktonic bloom-forming Cyanobacteria and the eutrophication of lakes and rivers. *Freshwater Biol.* 20:279-287.
- Stumpf RP, Wynne TT, Baker DB, Fahnenstiel GL, 2012. Inter-annual variability of cyanobacterial blooms in Lake Erie. *Plos One* 7:e42444.
- Taranu ZE, Gregory-Eaves I, Leavitt PR, Bunting L, Buckacina T, Catalan J, Domaizon I, Guilizzoni P, Lami A, McGowan S, Moorhouse H, Morabito G, Pick FR, Stevenson MA, Thompson PL, Vinebrooke RD, 2015. Acceleration of cyanobacterial dominance in north temperate subarctic lakes during the Anthropocene. *Ecol. Lett.* 18:377-384.
- Utermöhl H, 1958. [Zur Vervollkommnung der quantitative Phytoplankton Methodik]. [Article in German]. *Mitt. Int. Verein. Limnol.* 9:1-38.
- Vermote E, Tanré D, Deszert JL, Herman M, Morcrette JJ, Kotchenova SY, 2003. Second simulation of a satellite signal in the solar spectrum-vector (6SV). *6S User Guide Version 3:1-55.*
- Viaggiu E, Calvanella S, Melchiorre S, Bruno M, Albertano P, 2003. Toxic blooms of *Planktothrix rubescens* (Cyanobacteria/Phormidiaceae) in three water bodies in Italy. *Arch. Hydrobiol. Algol. Stud.* 109:569-577.
- Viaggiu E, Melchiorre S, Volpi F, Di Corcia A, Mancini R, Garibaldi L, Crichigno G, Bruno M, 2004. Anatoxin-a toxin in the cyanobacterium *Planktothrix rubescens* from a fishing pond in northern Italy. *Environ. Toxicol.* 19:191-197.
- Vincent RK, Qin XM, McKay RML, Miner J, Czajkowski K, Savino J, Bridgeman T, 2004. Phycocyanin detection from LANDSAT TM data for mapping cyanobacterial blooms in Lake Erie. *Remote Sens. Environ.* 89:381-392.
- Walsby AE, 2005. Stratification by cyanobacteria in lakes: a dynamic buoyancy model indicates size limitations met by *Planktothrix rubescens*. *New Phytol.* 168:365-376.
- Walsby AE, Schanz F, Schmid M, 2006. The Burgundy-blood phenomenon: a model of buoyancy change explains autumnal waterblooms by *Planktothrix rubescens* in Lake Zürich. *New Phytol.* 169:109-122.
- Walther G-R, Roques A, Hulme PE, Sykes MT, Pysek P, Kühn I, Zobel M, Bacher S, Botta-Dukát Z, Bugmann H, Czúcz B, Dauber J, Hickler T, Jarosik V, Kenis M, Klotz S, Minchin D, Moora M, Nentwig W, Ott J, Panov VE, Reineking B, Robinet C, Semchenko V, Solarz W, Thuiller W, Vilà M, Vohland K, Settele J, 2009. Alien species in a warmer world: risks and opportunities. *Trends Ecol. Evol.* 24:686-93.
- Wang M, Shi W, 2008. Satellite-observed algae blooms in China's Lake Taihu. *Eos* 89:201-202.
- Webster IT, Hutchinson PA, 1994. Effect of wind on the distribution of phytoplankton cells in lakes revisited. *Limnol. Oceanogr.* 35:365-374.
- Westberry TK, Siegel D, Subramaniam A, 2005. An improved bio-optical model for the remote sensing of *Trichodesmium* spp. blooms. *J. Geophys. Res.-Oceans* 110:C06012.
- Wetzel RG, 2001. *Limnology: lake and river ecosystems.* Academic Press, San Diego: 1006 pp.
- Winder M, Sommer U, 2012. Phytoplankton response to a changing climate. *Hydrobiologia* 698:5-16.
- Wu TF, Qin BQ, Brookes JD, Shi K, Zhu GW, Zhu MY, Yan WM, Wang Z, 2015. The influence of changes in wind patterns on the areal extension of surface cyanobacterial blooms in a large shallow lake in China. *Sci. Total Environ.* 518-519:24-30.
- Wu Y, Li L, Zheng L, Dai G, Ma H, Shan K, Wu H, Zhou Q, Song L, 2016. Patterns of succession between bloom-forming cyanobacteria *Aphanizomenon flos-aquae* and *Microcystis* and related environmental factors in large, shallow Dianchi Lake, China. *Hydrobiologia* 765:1-13.
- Wynne TT, Stumpf RP, Tomlinson MC, Doble J, 2010. Characterizing a cyanobacterial bloom in western Lake Erie using satellite imagery and meteorological data. *Limnol. Oceanogr.* 55:2025-2036.
- Yacobi YZ, Koehler J, Leunert F, Gitelson A, 2015. Phycocyanin-specific absorption coefficient: Eliminating the effect of chlorophylls absorption. *Limnol. Oceanogr.-Meth.* 13:157-168.
- Zibordi G, Holben B, Slutsker I, Giles D, D'Alimonte D, Melin F, Berthon JF, Vandemark D, Feng H, Schuster G, Fabbri BE, Kaitala S, Seppälä J, 2009. Aeronet-OC: A network for the validation of ocean color primary products. *J. Atmos. Ocean. Tech.* 26:634-1651.
- Zilius M, Bartoli M, Bresciani M, Katarzyte M, Ruginis T, Petkuvienė J, Lubiene I, Giardino C, Bukaveckas PA, de Wit R, Razinkovas-Baziukas A, 2014. Feedback mechanisms between cyanobacterial blooms, transient hypoxia, and benthic phosphorus regeneration in shallow coastal environments. *Estuar. Coast Shelf Sci.* 37:680-694.
- Zimba PV, Gitelson A, 2006. Remote estimation of chlorophyll concentration in hyper-eutrophic aquatic systems: model tuning and accuracy optimization. *Aquaculture* 256:272-286.