

De Baan L., Blom J.F. and O. Daniel. Plant protection products in field crops: Use and aquatic risks from 2009 to 2018. *Agrarforschung Schweiz*. 2020. 11:162-174.

Blom J.F. (2019) *Lebensformen 1/3. Biologische Systematik, Bakterien, Protisten und Pilze; Lebensformen 2/3. Pflanzen; Lebensformen 3/3. Tiere; 3., überarbeitete Auflage; Compendio Bildungsmedien, Zürich*

Silva M.O.D., Blom J.F., Yankova Y., Villiger J. and J. Pernthaler. Priming of microbial microcystin degradation in biomass-fed gravity driven membrane filtration biofilms. *Systematic and Applied Microbiology*. 2018. 41:221-231.

Baumgartner M.P., Neu T.R., Blom J.F. and J. Pernthaler. Protistan predation interferes with bacterial long-term adaptation to substrate restriction by selecting for defence morphotypes. *Journal of Evolutionary Biology*, 2016. 29:2297-2310.

De Sarkar S., Blom J.F., Bethuel Y., Jüttner F. and K. Gademann, Allelopathic activity of the iron chelator anachelin – a molecular hybrid with a dual mode of action. *Helvetica Chimica Acta*, 2016. 10:760-773.

Kurmayer R., Blom J.F., Deng L., J. Pernthaler, Integration phylogeny, geographic niche partitioning and secondary metabolite synthesis in bloom-forming *Planktothrix*. *ISME Journal*, 2015. 9:909-921.

Kohler E., Villiger J., Posch T., Derlon N., Shabarova T., Morgenroth E., Pernthaler J. and J.F. Blom, Biodegradation of microcystins during gravity-driven membrane (GDM) ultrafiltration. *Plos One*, 2014. 9:e111794.

Kohler E., Grundler V., Häussinger D., Kurmayer R., Gademann K., Pernthaler J. and J.F. Blom, The toxicity and enzyme activity of a chlorine and sulphate containing aeruginosin isolated from a non-microcystin-producing *Planktothrix* strain. *Harmful Algae*. 2014. 39:154-160.

Dirren S., Salcher M.M., Blom J.F., Schweikert M. and T. Posch, *Ménage-à-trois*: the amoeba *Nuclearia* sp. from Lake Zurich with its ecto- and endosymbiotic partners. *Protist*, 2014. 165:745-758.

Faltermann S., Zucchi S., Kohler E., Blom J.F., Pernthaler J. and K. Fent, Molecular effects of the cyanobacterial toxin cyanopeptolin (CP 1020) occurring in algal blooms: global transcriptome analysis in zebrafish embryos. *Aquatic Toxicology*, 2014. 149:33-39.

Zupo V., Jüttner F., Maibam C., Butera E. and J.F. Blom, Apoptogenic metabolites in fractions of the benthic diatom *Cocconeis scutellum parva*. *Marine Drugs*, 2014. 12:547-567.

Portmann C., Sieber S., Wirthensohn S., Blom J.F., Da Silva L., Baudat E., Kaiser M., Brun R. and K. Gademann, Balgacyclamides, antiplasmodial heterocyclic peptides from *Microcystis aeruginosa* EAWAG 251. *Journal of Natural Products*, 2014: In press. DOI: 10.1021/np400814w (top 20 articles, most read articles in January 2014 on JNP)

Horňák, K., M. Zeder, J.F. Blom, T. Posch and J. Pernthaler, Suboptimal light conditions negatively affect the heterotrophy of *Planktothrix rubescens* but are beneficial for accompanying *Limnohabitans* spp. *Environmental Microbiology*, 2012. **14**:765-778.

Blom, J.F., Y.S. Zimmermann, T. Ammann and J. Pernthaler, Scent of danger: floc formation by a freshwater bacterium is induced by supernatants from a predator-prey coculture. *Applied and Environmental Microbiology*, 2010. **76**: 6156-6163.

Blom, J.F. and J. Pernthaler, Antibiotic effects of three strains of chrysophytes (*Ochromonas*, *Poterioochromonas*) on freshwater bacterial isolates. *Fems Microbiology Ecology*, 2010. **71**: 281-290.

Blom, J.F., K. Horňák, K. Šimek and J. Pernthaler, Aggregate formation in a freshwater bacterial strain induced by growth state and conspecific chemical cues. *Environmental Microbiology*, 2010. **12**: 2486-2495.

Blom, J.F., S.J. Hoeger and F. Jüttner (2010) Characterization of bioactive cyclic oligopeptides of freshwater cyanobacteria (microcystins, cyanopeptolins, cyclamides). In S.N. Bagchi, D. Kleiner, and P. Mohanty (Eds), *Protocols on Algal and Cyanobacterial Research*, Narosa Publishing: New Delhi, India, pp.53-70.

Gademann, K., C. Portmann, J.F. Blom, M. Zeder and F. Jüttner, Multiple toxin production in the cyanobacterium *Microcystis*: isolation of the toxic protease inhibitor cyanopeptolin 1020. *Journal of Natural Products*, 2010. **73**: 980-984.

Schmidt, S., J.F. Blom, J. Pernthaler, G. Berg, A. Baldwin, E. Mahenthalingam and L. Eberl, Production of the antifungal compound pyrrolnitrin is quorum sensing-regulated in members of the *Burkholderia cepacia* complex. *Environmental Microbiology*, 2009. **11**: 1422-1437

Portmann, C., J.F. Blom, M. Kaiser, R. Brun, F. Jüttner and K. Gademann, Isolation of aerocyclamides C and D and structure revision of microcyclamide 7806A: heterocyclic ribosomal peptides from *Microcystis aeruginosa* PCC 7806 and their antiparasite evaluation. *Journal of Natural Products*, 2008. **71**: 1891-1896.

Portmann, C., J.F. Blom, K. Gademann and F. Jüttner, Aerocyclamides A and B: Isolation and synthesis of toxic ribosomal heterocyclic peptides from the cyanobacterium *Microcystis aeruginosa* PCC 7806. *Journal of Natural Products*, 2008. **71**: 1193-1196.

Christiansen, G., W.Y. Yoshida, J.F. Blom, C. Portmann, K. Gademann, T. Hemscheidt and R. Kurmayer, Isolation and structure determination of two microcystins and sequence comparison of the McyABC adenylation domains in *Planktothrix* species. *Journal of Natural Products*, 2008. **71**: 1881-1886.

Hoeger, S.J., D. Schmid, J.F. Blom, B. Ernst and D.R. Dietrich, Analytical and functional characterization of microcystins [Asp³]MC-RR and [D-Asp³, Dhb⁷]MC-RR: Consequences for risk assessment? *Environmental Science & Technology*, 2007. **41**: 2609-2616.

Blom, J.F., T. Brutsch, D. Barbaras, Y. Bethuel, H.H. Locher, C. Hubschwerlen and K. Gademann, Potent algicides based on the cyanobacterial alkaloid nostocarboline. *Organic Letters*, 2006. **8**: 737-740.

Blom, J.F., H.I. Baumann, G.A. Codd and F. Jüttner, Sensitivity and adaptation of aquatic organisms to oscillapeptin J and [D-Asp³, Dhb⁷]microcystin-RR. *Archiv Fur Hydrobiologie*, 2006. **167**: 547-559.

von Elert, E., L. Oberer, P. Merkel, T. Huhn and J.F. Blom, Cyanopeptolin 954, a chlorine-containing chymotrypsin inhibitor of *Microcystis aeruginosa* NIVA Cya 43. *Journal of Natural Products*, 2005. **68**: 1324-1327.

Blom, J.F. and F. Jüttner, High crustacean toxicity of microcystin congeners does not correlate with high protein phosphatase inhibitory activity. *Toxicon*, 2005. **46**: 465-470.

Blom, J.F., B. Bister, D. Bischoff, G. Nicholson, G. Jung, R.D. Süssmuth and F. Jüttner, Oscillapeptin J, a new grazer toxin of the freshwater cyanobacterium *Planktothrix rubescens*. *Journal of Natural Products*, 2003. **66**: 431-434.

Blom, J.F., J.A. Robinson and F. Jüttner, High grazer toxicity of [D-Asp³, Dhb⁷]microcystin-RR of *Planktothrix rubescens* as compared to different microcystins. *Toxicon*, 2001. **39**: 1923-1932.