



Chief Editor

Prof. Nico Salmaso

Guest Editors

Camilla Capelli

*Edmund Mach
Foundation, L'Istituto
Agrario di San Michele
all'Adige, Italy*



Damjana Drobac

*University of Novi Sad,
Serbia*



Spyros Gkelis

*Aristotle University of
Thessaloniki, Greece*



Pavel Babica

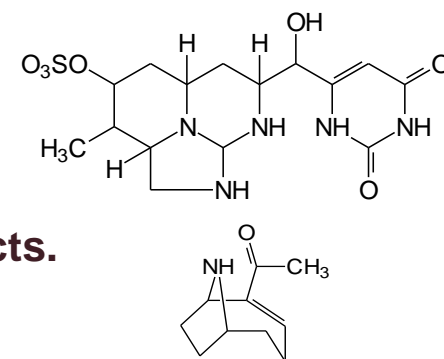
*Masaryk University,
Brno, Czech Republic*





CONTENT

- **Foreword** by chair and vicechair (*T. Kaloudis, L. Blaha*)
- **Work Group Summary** (*WG leader & deputy leader*)
 - **WG1 - Occurrence of cyanobacteria and cyanotoxins**
(*J. Meriluoto, K. Sivonen*)
 - **WG2 - Fate, impact and health effects**
(*G. Codd, Z. Svircev*)
 - **WG3 - Prevention and control measures**
(*P. Visser, A. Hiskia,*)
 - **WG4 - End-user and outreach tools, materials and products.**
(*A. Quesada, L. Brient*)



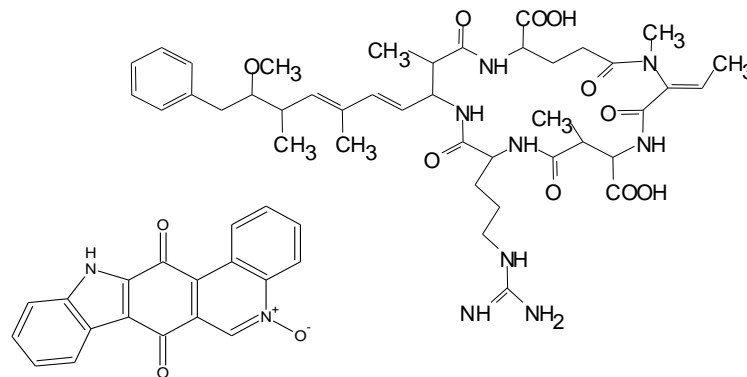
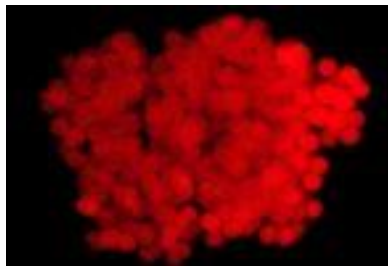
- **12-14 ORIGINAL RESEARCH PAPERS**
 - **Cyanobacteria / cyanotoxins – relation to the WGs**
 - **Prepared within CyanoCOST / by COST action members**



- **Summary and future directions** (*Steering Group: T. Kaloudis, L. Blaha, A. Hiskia, Z. Svircev*)

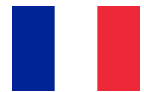
• ORIGINAL RESEARCH PAPERS

- **Cyanobacteria / cyanotoxins – relation to the WPs**
- **Prepared within CyanoCOST / by COST action members**
- ⇒ **Abstracts solicited in July 2016**
- ⇒ **12 abstracts received and pre-approved as suitable**
- ⇒ **Authors invited to prepare full submissions by Sep 30,2016**
- ⇒ **Next: Standard peer-review & publishing process**



WG1 – Advanced analytical techniques / Molecular techniques

- Sultana Akter, Vehniäinen, Meriluoto, Spoof, Lamminmäkia: **Non-competitive ELISA with broad specificity for microcystins and nodularins**
- Luc Brient, Ben Gamra, Periot, Roumagnac, Biegala: **Whole cell detection of microcystins in freshwater samples by TSA-FISH probes**



WG1 – Occurrence & diversity & ecology

- Spyros Gkelis, Panou, Chronis, Zervou, Christophoridis, Manolidi, Triantis, Kaloudis, Hiskia, Kagalou, Lazaridou: **Monitoring a newly re-born patient: Water quality and cyanotoxin occurrence in a reconstructed shallow Mediterranean lake**
- Svetoslav Krstic, Aleksovski, Komarek: **Rare occurrence of nine Microcystis species in a single lake – Lake Dojran, Macedonia**
- Leonardo Cerasino, Capelli, Salmaso: **A comparative study of the metabolic profiles of common nuisance cyanobacteria in southern perialpine lakes**



WG1 – Occurrence & diversity & ecology

- Henna Savela, Spoof, Perälä, Vehniäinen, Mankiewicz-Boczek, Jurczak, Kokocinski, Meriluoto: **Quantification of saxitoxin biosynthesis gene *sxtB* and paralytic shellfish toxins in Polish freshwaters**
- Mara Stefanelli, Scardala, Cabras, Orru, Vichi, Testai, Funari, Manganelli: **Cyanobacterial dynamics and toxins concentrations in Lake Alto Flumendosa, Sardinia, Italy**
- Maya Stoyneva-Gaertner, Pavlova, Uzunov, Bratanova, Descyc, Babica, Marsalek, Meriluoto, Spoof: **Assessment of cyanoprokaryote blooms and of cyanotoxins in Bulgaria in a 15-years period (2000-2015)**



WG1 – Occurrence & diversity & ecology; WG2 – Potential exposure routes

- Spyros Gkelis, Vlamiis: **Can cyanobacteria infect underground water sources? Evidence from a small scale monitoring of drinking natural mineral water drinking source**



WG1 – Occurrence & diversity & ecology; WG2 – Potential exposure routes; WG3 – Water treatment

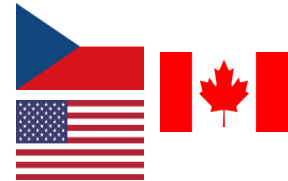
- Gloria Addico, Hardege, Kohoutek, deGraft-Johnson, Babica: **Cyanobacteria and microcystin contamination in drinking water treatment plants in Ghana**





WG2 – Adverse health effects; WG3 – Water treatment methods

- *Iva Sovadinova, Babica, Adamovsky, Alpatova, Tarabara, Upham, Blaha: Tumor promoting activity of complex cyanobacterial extracts – effects of ozonation and chlorination*



WG3 – Water treatment methods

- *Maria Antoniou, Fotiou, Zervou, Triantis, Kaloudis, Hiskia: Evaluation of the efficiency of Advanced Oxidation Processes (AOPs) for the removal of various microcystins (MCs) under water treatment relevant conditions*



- 12 papers, authors from 14 countries: Belgium, Bulgaria, Canada, Cyprus, Czech Rep, Finland, France, Ghana, Greece, Italy, Macedonia, Poland, UK, USA,
- Represented topics:
- Development and validation of advanced analytical techniques / molecular techniques
- Ecology and diversity of cyanobacteria and toxins
- Potential exposure routes: drinking and recreational water
- Water treatment methods



Advances in Oceanography and Limnology

Special Issue



**Ready and happy to
receive and handle the
submissions!**

