7th May 2019 TUESDAY

Poster session I 15:30-16:45

1. Antoniou M.G., Brient L., Tsiarta N., Keliri E., Christofi M., Hadjiouraniou G., Sukenik A. (Cyprus, France, Israel)
Monitoring and treatment of cyanobacterial contaminated surface waters in France and Cyprus.

2. Blahova L., Hilscherova K., Lepsova-Skacelova O., Szmucova V., Sivonen K.,Teikari J., Blaha L. (Czech Republic, Finland)
Anatoxin-a and cylindrospermopsin in the Czech Republic: toxins, genes and producers.

3. Błaszczyk A., Kobos J., Mazur-Marzec H. (Poland)
The extreme cyanobacteria bloom in the Gulf of Gdańsk, in 2018.

4. Bober B., Bialczyk J. (Poland)
Characteristic of newly identified cyanopeptides - anabaenopeptin 899 and cyanopeptolin 1081.

5. Bober B., Bialczyk J., Chrapusta-Srebrny E., Duchnik K., Żmudzki P. (Polnad)
Determination of toxins content in cyanobacterium *Woronichinia naegeliana* (Unger) Elenkin.

6. Bonilla S., Aguilera A., Almanza V., Haakonsson S., Sampaio da Silva L.H, Santos J.B.O., Izaguirre I., Farrell I., Santana L., Ferragut C., Becker V., Salazar A., Hernandez E., Palacios H., Cano M.F., Cremella B., **Pérez M.C.**, Somma A., Vincent W.F., Antoniades D., Aubriot L. (Uruguay)
Cyanobacteria in aquatic systems of the Americas.

6b. Haakonsson S., Rodríguez M.A., Rodríguez-Gallego L., Arocena R., Pérez M., Carballo C., Bonilla S. (Uruguay, Canada)
Predicting planktonic cyanobacteria through a novel Bayesian approach.

7. Bormans M., Savar V., Legrand B., Mineaud E., Robert E., Lance E., Amzil Z. (France)
Cyanobacteria and cyanotoxins in estuarine waters and sediments.

8. Breiholz J., Weisbrod B., Martin-Creuzburg D., Dietrich D. (Germany)
The role of nitrogenase expression for *Anabaena* bloom formation.

9. Brient L. (France)
Cyanobacteria for future cyanobacteriologists.

10. Brient L., Bormans M., Vallet F. (France)
Phycocyanin: measure in real time benthic and planktonic cyanobacteria by submersible fluorescence sensor.

11. Brzozowska A., Kokociński M. (Poland)
Influence of temperature on the growth rate of alien cyanobacterium - *Raphidiopsis raciborskii*.

12. Bubak I., Śliwińska-Wilczewska S., Chlost I. (Poland)
Allelopathic activity of the picocyanobacterium *Synechococcus* sp. on a natural plankton community.

13. Capelli C. (Switzerland)
Response of potentially toxigenic filamentous cyanobacteria to climate warming in a deep subalpine lake (Lake Lugano).

14. Cegłowska M., Toruńska-Sitarz A., Stoń-Egiert J., Kosakowska A., Mazur-Marzec H. (Poland)
Pseudanabaena galeata from the Baltic Sea - toxicity, diversity and light adaptation.

15. Chernova E., Russkikh Ia., Sidelev S., Solovyova V., Korneva L., Zhakovskaya Z. (Russia)
Cyanobacteria and cyanotoxins occurrence in Volga river reservoirs, central Russia.

16. Chrapusta-Srebrny E., Edwards C., Lawton L. (Poland, United Kingdom)
Bioassay to explore factors influencing de novo synthesis of microcystins by *Microcystis aeruginosa* PCC7813.

17. Christophoridis C., Argyropoulos I., Kaloudis T., Triantis T.M., Hiskia A. (Greece)
Determination of cyanotoxins in fish tissue: matrix-interference challenges.

18. Cordeiro R.I., Luz R., Cardoso A., Vasconcelos V., Fonseca A., Goncalves V. (Portugal)
Cyanotoxins production potential in newly isolated cyanobacteria from the Azores.

19. Davis T.W., Bridgeman T.B., Boyer G.L., Bullerjahn G.S., Kane D.D., Matson P.G., McKindles K.M., Raymond H.A., **McKay R.M.L.** (USA)
Source-tracking a toxigenic *Microcystis* bloom in a major Great Lakes tributary.

20. Druga B., Szekeres E., Buda D., Sicora C. (Romania)
The impact of cation concentration on *Microcystis* (cyanobacteria) scum formation.

21. Fang Y., Gin K. (Singapore)
Isolation and characterization of cyanophages infecting cyanobacterium *Microcystis aeruginosa* from a tropical reservoir.

22. Fidor A., Konkel R., Cegłowska M., Szubert K., Toruńska-Sitarz A., Edwards C., Mazur-Marzec H. (Poland, United Kingdom)
Nostoc edaphicum - a rich source of bioactive products.

23. Figueiredo D., Anastácio M., Oliveira M., Rito R., Silva P., Neto C., Benoliel M.J. (Portugal)
Cyanotoxins presence related with phytoplankton and cyanobacteria biovolume and chlorophyll *a* concentrations from five reservoirs in temperate climate (South-East Portugal).

24. Grabowska M., Mazur-Marzec H., Więcko A. (Poland)
Toxic cyanobacteria response on extreme weather events in lowland dammed river.

25. Pan Y., Wang H., Liu Z., Yan H. (China)
Multistage cloning and heterologous expression of microcystins-degrading genes.

26. Janssen E. M-L., Natumi R. (Switzerland)
(Co-) Production dynamics of cyanopeptides beyond microcystins.

27. Keliri E., Edwards C., Mazur-Marzec H., Antoniou M.G. (Cyprus, United Kingdom, Poland)
Bioactive metabolites of cyanobacteria detection in an eutrophic dam in Cyprus (Polemidia Dam).

28. Kelly L.T., Wood S.A., McAllister T.G., Ryan K.G. (New Zealand)
A toxic puzzle - unravelling the relationship between anatoxin production & strain dominance in *Microcoleus autumnalis (Phormidium autumnale)*.

29. Kim M., Shin B., Lee J., Park W. (Republic of Korea)
Culture independent and dependent analysis of bacteria community in the phycosphere of cyanobloom-forming *Microcystis aeruginosa*.

30. Kleinteich J., Hanselmann K., Dietrich D.R., Zarfl C. (Germany)
Toxic cyanobacteria in benthic habitats of Southern Germany and the European Alps.

31. Köker L., Oğuz A., Dorak Z., Gaygusuz Ö., Aydın F., Sac G., Akçaalan R.,
Albay M. (Turkey)
Diversity of cyanobacterial and cyanotoxins in Küçük Menderes basin, Turkey.

32. Konkel R., Toruńska-Sitarz A., Cegłowska M., Mazur-Marzec H. (Poland)
Analysis of deep sediments revealed a thousands-year presence of toxic *Nodularia spumigena* in the Baltic sea and Norwegian coastal waters.

33. Kozak A., Dondajewska R., Kowalczewska-Madura K., Gołdyn R. (Poland)
Planktonic cyanobacteria and physicochemical parameters of a small hypertrophic lake.

34. Łach Ł., Sandzewicz M., Khomutovska N., Kwiatowski J., Suska-Malawska M., Jasser I. (Poland)
Are toxigenic cyanobacteria in microbial mats from cold deserts of Eastern Pamir a real threat?

35. Lee Y.-E., Yoo Y.-S. (Republic of Korea)
Characterization of Drinking Water Treatment Sludge (DWTS) according to the occurrence of Algal Bloom.

36. LeMoal M., Mineaud E., Brient L., Wiegand C. (France)
Implementation of a hydrogen peroxide curative treatment of cyanobacteria within The Lac au Duc, France.

37. Martin-Creuzburg D. (Germany)
Food quality of cyanobacteria: a first approach towards disentangling multiple nutritional constraints.

38. Martins J., Morais J., Neves J., Oliveira F., Ramos V., Leão P., **Vasconcelos V.** (Portugal)
Molecular screening of the potential production of cyanotoxins and cyanobacterial natural products in environmental samples from Cabo Verde Islands.

39. McCarron P., Rafuse C., Scott S., Douthwright E., Bruce M.R., Lawrence J., Murphy C., Reith M., Beach D.G. (Canada)
Anatoxins in samples associated with dog deaths in New Brunswick, Atlantic Canada.

40. Menezes C., Valério E., Botelho M.J., Martins O., Dias E. (Portugal
Successful isolation and cultivation of *Cylindrospermosis raciborskii* strains isolated from finished drinking water samples.

41. Messyasz B., Łęska B., Pankiewicz R. (Poland)
Toxic *Planktothrix agardhii* (gom.) Anagn. & Kom. Blooms: Variation in time and space.

42. Moraes M.A.B., Rodrigues R.A.M., Podduturi R., Jørgensen N.O.G., Calijuri M.C. (Brazil, Denmark)
Detection of saxitoxin-producing cyanobacteria in subtropical Brazilian drinking water supply reservoir by quantitative PCR.

43. Moza M.I., Benedek A.M., Moldoveanu M., Dumitrache A., Pomati F., Spaak P., Postolache C. (Romania, Switzerland)
Environmental drivers of cyanobacteria from Danube Delta ecosystems.

44. O'Farrell I., Schiaffino R., Sánchez M.L., Huber M.P., González C., Lagomarsino L., Mancini M., Yema L., Cocciolo F., Izaguirre I. (Argentina)
Ecological characterization of the assemblages of potentially toxic bloom-forming cyanobacteria in Pampean shallow lakes (Argentina).

45. Overlingė D., Cegłowska M., Toruńska-Sitarz A., Szubert K., Pilkaityte R., Mazur-Marzec H. (Lithuania, Poland)
Biotechnological potential of secondary metabolites produced by cyanobacteria from Curonian Lagoon.

46. Oh H.-M., Chun S.J., Cui Y., Lee J.J., Ahn C.-Y. (Republic of Korea)
Succession of *Microcystis* genotypes accompanies different microbial modules with recurrent patterns.

47. Panksep K., Agasild H.,Tõnno I., Blank K., Freiberg R., Laugaste R., Nõges P., Nõges T. (Estonia)
Detection of cyanobacteria in the diet composition of crustacean zooplankton: a multiproxy study.

48. Park H.-K., Kim I.-S., Lee H.-J., Kim Y.-J., Heo J., Yun J.-H. (Republic of Korea)
Molecular evaluation of the occurrence of invasive cyanobacteria and their toxin production potential in the Nakdong river, Korea.

49. Pestana C.J., Edwards C., Capelo-Neto J., Barros M.U.G., Gunaratne N., Robertson P.K.J., Hui J., Irvine J.T.S., Azevedo S.M.F.O., Lawton L.A. (United Kingdom, Brazil)Perennial droughts and blooms - cyanobacterial treatment challenges and solutions.

50. Piel T., Sandrini G., Weenink E., van Herk M.J., Qin H., Léon-Grooters M.M., Huisman J., Visser P. (The Netherlands, China)
Phytoplankton community shifts after selective removal of cyanobacteria by hydrogen peroxide treatments of lakes.

51. Pinto E., Fernandes K., Henry T. (Brazil, United Kingdom)
Acute effects on *Danio rerio* exposed to extracts of *Sphaerospermopsis torques-reginae* (Cyanobacteria) (ITEP-24) producing anatoxin-a(s).

52. Riba M., Gonda S., Boros G., Borsodi A.K., **Vasas G.** (Hungary)
Microcystis chemotype diversity in the alimentary tract of bigheaded carp.

53. Rost S., Bauer F., Geist J., Raeder U. (Germany)
Paleolimnological study on cyanobacterial community shifts in small Bavarian lakes (Osterseen Lake District) using sedimentary DNA.

54. Sano T., Nagano K., Ukachi M., Nishikawa M., Kaya K. (Japan)
Preparation and application of certified reference materials for microcystin and cylindrospermopsin analyses (15N-labelled cyanobacteria).

55. Smith Z., Martin R., Wei B., Wilhelm S., **Boyer G.** (USA)
Spatial and Temporal Variation in Paralytic Shellfish Toxin Production by Benthic *Microseira (Lyngbya) wollei* in a Freshwater New York Lake.

56. Śliwińska-Wilczewska S., Bubak I., Barreiro-Felpeto A., Cieszyńska A., Możdżeń K., Konarzewska Z., Latała A. (Poland)
Antialgal assessment of different phenotypes of picocyanobacteria strains from the genus *Synechococcus*.

57. Tan X., Shu X.Q., Duan Z.P., Parajuli K. (China, Australia)
Two types of bound extracellular polysaccharides and their roles in shaping the size and tightness of *Microcystis* colonies.

58. Teneva I., Mladenov R., Stoyanov P., Moten D., Basheva D., Dzhambazov B., Belkinova D. (Bulgaria)
Taxonomic composition and toxic potential of cyanobacteria in lake Burgas (vaya) - part of the via pontica migration route.

59. Tokodi N., Drobac D., Lujic J., Scekic I., Simic S., Djordjevic N., Dulic T., Miljanovic B., Marinovic Z., Meriluoto J., Svircev Z. (Serbia)
Lake Ludos – an aquatic ecosystem with a (cyanobacterial) problem.

60. Toporowska M., Mazur-Marzec H., Pawlik-Skowrońska B. (Poland)
Extracts of *Planktothrix agardhii*-dominated scum samples rich in oligopeptides influenced growth, production of Chl-a and peptide composition of natural *P. agardhii* population.

61. Tsiarta N., Mantzouki E., Schuurmans M., Suarez E.L., Visser P.M., Ibelings B.W., Huisman J. (The Netherlands, Switzerland)
Defining the mode of interaction between temperature and phosphate in promoting cyanobacterial growth.

62. Vilar M.C.P., Rodrigues T.F.C.P., Paranhos R.R., Silva L.O., Azevedo S.M.F.O. (Brazil)
Toxin production by microcystin- and saxitoxin-producing cyanobacteria in response to *Daphnia gessneri* infochemicals.

63. Voyakina E. (Russia)
Cyanobacterial blooms in Lake Ladoga around Valaam Islands.

64. Weisbrod B., Dietz M., Martin-Creuzburg D., Dietrich D. (Germany)
Anabaena bloom dynamics in a hydropower reservoir.

65. Xian Q., Qian Z. (China)
Study on the cyanobacterial toxin metabolism of *Microcystis aeruginosa* in nitrogen-starved conditions by stable isotope labeling method.

66. Zervou S.-K., Krokidis M., Christophoridis C., Triantis T.M., Kaloudis T., Hiskia A. (Greece)
Analysis of microcystins in environmental samples - a comparison study of ELISA, PPIA and LC-MS/MS.

67. Zhang S., Mu Y., Zhu L., Lin D. (China)
Ammonium loading driving bacterial community shift in biofilm attached to *Hydrilla verticillata*.

67b. Gągała-Borowska I., Serwecińska L., Wolska L., Gałęzowska G., Mankiewicz-Boczek J., (Poland)
Bacteria as a factor controlling the occurrence of microcystin-producing cyanobacterial blooms

8th May 2019 WEDNESDAY

Poster session II 16:15-17:30

68. Akter S., Meriluoto J., Lamminmäki U. (Finland)
Microcystins in pond water of rural Bangladesh.

69. Antoniou M.G., Boraei I., Pantelides D., Solakidoy M., Deligiannakis Y., Abhishek M., Edwards C., Lawton L. (Cyprus, Greece, United Kingdom)
Application of Electron Paramagnetic Resonance (EPR) for radical identification during the photocatalytic degradation of cyanotoxins with enhanced photocatalysis.

70. Babić O., Marić P., Fent K., Smital T., Blagojević D., Svirčev Z., **Simeunović J.** (Serbia, Croatia, Switzerland)
Acute toxicity and gene responses induced by *Cylindrospermum* sp. in Zebrafish (*Danio rerio*) embryos.

71. Bauer F., Stix M., Geist J., Raeder U. (Germany)
Abundance and toxicity of *Planktothrix rubescens* in the German Osterseen Lake District.

72. Berthold D.E., Barbosa M., Lefler F.W., Baird C.M., **Laughinghouse D.H.** (USA)
The effects of algaecides and herbicides on a *Microcystis* winter bloom in Lake Okeechobee, Florida (USA).

73. Bownik A., Pawlik-Skowrońska B. (Poland)
Early biomarkers of behavioural and physiological disturbances in *Daphnia magna* exposed to anatoxin-a estimated by video analysis.

74. Brzuzan P., Mazur-Marzec H., Stefaniak F., Florczyk M., Woźny M., Budzińska P., Babatunde M. (Poland)
Luciferase-based reporter assay for screening cyanobacterial peptides to identify inhibitors of microRNA-92b-3p.

75. Burford M.A., Berdalet E., Banas N., Bresnan E., Davidson K., Gobler C., Karlson B., Kudela R., Lim P.T., MacKenzie L, Montresor M., Trainer V., Usup G., Yin K., Enevoldsen H., Urban E. (Australia, Spain, USA, United Kingdom, Sweden, Malaysia, New Zealand, Italy, China)
GlobalHAB: a global initiative to enhance collaboration and communication on HABs.

76. Dias E., Manageiro V., Caniça M. (Portugal)
Intrinsic antibiotic resistance in cyanobacteria – the case of trimethoprim.

77. Diez-Quijada Jiménez L., Llana-Ruiz-Cabello M., Catunescu G., Puerto M., Jos Á., Cameán A.M. (Spain)
DNA damage induced by cylindrospermopsin in rats.

78. Diez-Quijada Jiménez L., Puerto M., Prieto A.I., Jos Á., Cameán A.M. (Spain)
Toxicological evaluation of a binary mixture of cyanotoxins using mutagenicity biomarkers.

79. Downing T.G., Scott L.L. (South Africa)
BMAA causes progressive neurodegeneration typical of Alzheimer's and Parkinon's diseases and ALS.

80. Faassen E., Demarteau M. (The Netherlands)
Benthic cyanobacteria and their toxins in Dutch recreational waters.

81. Fastner J., Beulker C., Geiser B., Hoffmann A., Kröger R., Teske K., Hoppe J., Mundhenk L., Neurath H., Sagebiel D., Chorus I. (Germany)
Dog fatalities associated with tychoplanktic, anatoxin-a producing *Tychonema* sp. in a Berlin lake recovering from eutrophication - challenges for surveillance.

82. Fernandes K.A., Pinto E., Sanz Rodan M. (Brazil)
Anatoxin-a(s) revisited: chemical features and isolation.

83. Panou M., Giourieva V., Gkelis S. (Greece)
Cynobacteria species recordings through statistics; a proposed TO(X)OLBOX.

84. Haande S., Samdal I.A., Ballot A., Rusch J., Strand D., Løvberg K.E., Miles C.O., Vrålstad T. (Norway, Canada)
Microcystins in European noble crayfish *Astacus astacus* in Lake Steinsfjorden, a cyanobacterial (*Planktothrix*) dominated lake.

85. Hellweger F. (Germany)
Gene-level modeling of *Microcystis* growth and toxin production.

86. Hercog K., Maisanaba S., Filipič M., Sollner-Dolenc M., Žegura B. (Slovenia, Spain)
Plastics in cyanobacterial bloom - combined effects of the exposure to cylindrospermopsin and bisphenols.

87. Hilscherová K., Večerková J., Jonáš A., Smutná M. (Czech Republic)
Cyanobacterial exudates with retinoid-like activity cause developmental disorders in fish and frog embryos.

88. Hinojosa M.G., Prieto A.I., Gutiérrez-Praena D., **Jos A.**, Cameán A.M. (Spain)
Effects of microcystin-LR, cylindrospermopsin and their combination on the acetylcholinesterase activity of sh-sy5y cells.

89. Hyshchyna K., McLellan K., Nguyen-Quang T., Samdal I.A., Krkosek W., MacArthur M., Rafuse C., McCarron P., Miles C.O., **Beach D.G.** (Canada, Norway)
Occurrence of cyanotoxins in Atlantic Canada.

90. Hinojosa M.G., Gutiérrez-Praena D., Prieto A.I., Moreno F.J., Jos A., Cameán A.M. (Spain)
Histopathological damage in sh-sy5y cells after exposure to microcystin-LR, cylindrospermopsin and their combination.

91. Kaminski A., Chrapusta-Srebrny E., Duchnik K. (Poland)
Macrophyte as a potential cyanotoxins-limiting agent.

92. Kubickova B., Bohaciakova D., Hilscherova K. (Czech Republic)
A human neural stem cell-based model to study cyanobacterial (developmental) neurotoxicity.

93. Kubickova B., Laboha P., Hildebrandt J.P., Hilscherova K., Babica P. (Czech Republic)
Effects of cylindrospermopsin on human airway epithelial cells *in vitro*.

94. Kuznecova J., Voss M., Jürgens K., Šimoliūnas E., Šulčius S. (Lithuania, Germany)
Effect of cyanophage infection and lysis on nitrogen fixation and release in the diazotrophic cyanobacterium *Aphanizomenon flos-aquae*.

95. Laboha P., Brozman O., Sychrova E., Babica P. (Czech Republic)
Waterborne cyanobacteria in the air: exposure and effects.

96. Lee B., Oh H., Ahn J.,Yun S., Kim Y., Kang H., Kim S. (Republic of Korea)
The changes in nutrients concentrations from algae coagulated by loess and polyaluminium chloride.

97. Lefler F.W., **Berthold D.**, Bishop W.M., Laughinghouse H.D. (USA)
Can PHOSLOCK ® be used to bind and sediment microcystin-LR in aquatic systems?

98. Lima S.T., Chekan J.R., McKinnie, S.M.K. Alvarenga D.O., Etchegaray A., Dias M.V.B., Pinto E., Moore B.S., **Fiore M.F.** (Brazil, USA)
An unusual PLP-dependent aminotransferase putatively involved in the synthesis of anatoxin-a(s) in *Sphaerospermopsis torques-reginae* ITEP-024.

99. Mallia V., Ivanova L., Amber M., Harper E., McComb J., Shannon M., Xie Y., Uhlig S., Connolly L., Miles C.O., Eriksen G.S. (Norway, United Kingdom, Canada)
Investigation of potential endocrine disrupting activities of cyanobacterial genera *Microcystis* and *Planktothrix*.

100. Manganelli M., Buratti F.M., Scardala S., Stefanelli M., Vichi S., Testai E. (Italy)
Effect of microcystin-LR on human probiotics.

101. Marsalek B., Zezulka S., Klecka J., Marsalkova E. (Czech Republic)
Water Pollution police: on-line system for controlling of (illegal) water pollution events as a component of cyanobacterial water blooms prevention.

102. McCarron P., Thomas K., Lewis N.I., Crain S., Miles C.O., Beach D.G., Quilliam M.A. (Canada)
Research and development of reference materials for cyanobacterial toxins at NRCC.

103. McKindles K., Zimba P., Chiu A., Watson S., Gutierrez D., Westrick J., Davis T. (USA, Canada)
Could Lake Winnipeg be the next Lake Erie? A multiplex analysis of seasonal variation of potentially-toxic cyanobacteria in Lake Winnipeg.

104. Mesquita F.M., Maciel L., Vilar M.C.P., Oliveira D.F., Nascimento J.H.M., Azevedo S.M.F.O., Zin W.A. (Brazil)
Oral sublethal microcystin-LR does not affect pulmonary mechanics but compromises mitochondrial function.

105. Mityushev V. (Poland)
Mathematical modeling and computer simulations in biology.

106. Moraes A.C.N., Fallah H.P., **Magalhães V.F.**, Habibi H.R. (Brazil, Canada)
Cylindrospermopsin impairs spermatogenesis and gene expression in zebrafish testis.

107. Moreira C., Gomes C., Vasconcelos V., Antunes A. (Portugal)
Cyanotoxins proliferation in Portuguese freshwater ecosystems: a contribution to a risk assessment strategy.

108. Oehrle S. (USA)
Expanding the Horizon! Analysis of cyanobacterial toxins by UPLC/MS/MS detection using a UniSpray Ion Source.

109. Pappas D., Gkelis S., Kaloudis T., Panteris E. (Greece)
"I smell trouble": cyanobacterial volatile organic compounds (VOCs) affect the root of *Arabidopsis thaliana*.

110. Pellegrinetti T.A., Costa J.S., Andreote A.P.D., Montes C.R., Camargo P.B., Costa B.C.E., Barbiero L., Rezende-Filho A.T., Fiore M.F. (Brazil, France)
Dynamics of cyanobacteria and environmental conditions in Brazilian Soda Lakes.

111. Reitz L., Chaffin J., Bridgeman T., Snyder B., **Davis T.** (USA)
Quantification of microcystin production rates by Lake Erie *Microcystis* blooms using experimental methods.

112. Riehle E., Fotler R., Altaner S., Dietrich D.R. (Germany)
Microcystin inhibition of human ser/thr protein phosphatases and impact on the eukaryotic glutathione detoxification system.

113. Ruetschlin K.M., Dietz M., Beneke S., Martin-Creuzburg D., Dietrich D.R. (Germany)
Sensitivity of *Daphnia* protein phosphatases towards MC-LR.

114. Salmaso N., Baudoin J.M., Bernabei S., Boscaini A., Bouchez A., Capelli C., Cerasino L., Dobrovolny S., Domaizon I., Donati C., Elersek T., Franzini G., Greco C., Hufnagl P., Krivograd Klemenčič A., Kurmayer R., Lepori F., Logez M., Mischke U., Pindo M., Remec-Rekar S., Schaumburg J., Schubert M., Stanic K., Tomassetti P., Vogelmann C., Wanzenböck J., Zampieri C. (France, Italy, Switzerland, Austria, Slovenia, Germany)
Innovative approaches for the study of biodiversity and water quality assessment in the Alpine region: The Interreg Alpine Space Project Eco-AlpsWater.

115. Samdal I.A., Løvberg K., Strand D.A., Rusch J.C., Vrålstad T., Ballot A., Haande S., Foss A.J., Miller T.R., Sandvik M., Miles C.O., Uhlig S. (Norway, USA, Canada)
Multihapten antibody based detection of microcystins and nodularin using ELISA and immunoaffinity columns.

116. Sandrini G., Piel T.F., White E., Xu T., Schuurmans J.M., Huisman J., Visser P.M. (The Netherlands)
Combatting harmful cyanobacteria with hydrogen peroxide is more effective at high light.

117. Santori N., Buratti F.M., **Testai E.** (Italy)
Detoxication of microcystins mediated by human GSTs: comparison among variants with different hydrophilicity.

118. Santos A.A., Pacheco A.B.F., Azevedo S.M.F.O., Magalhães V.F. (Brazil)
Effect of hydrogen peroxide on a natural phytoplankton community and evaluation of its recovery.

119. Santos A.A., Rachid C.T.C., Pacheco A.B.F., Magalhães V.F. (Brazil)
Microcystin drives the composition of an ultra-small bacterial community in a natural lake.

120. Sehnal L., Priebojova J., Javůrek J., Hilscherova K. (Czech Republic)
Microcystis aeruginosa as a suitable model species for characterization of biosynthetic pathway of retinoids.

121. Simeunović J., Davidović P., Kovač D., Svirčev Z., Babić O. (Serbia)
Impact of water cyanobacterial strain *Ocillatoria* k3 on gene expression in zooplankton *Daphnia magna*.

122. Simiyu B.M., Kurmayer R. (Austria)
The effects of hydrological changes on water quality and cyanobacterial toxins in Nyanza Gulf of Lake Victoria, Kenya.

123. Šimoliūnas E., Tominaga K., Alzbutas G., Morimoto D., Nilsson E., Šimoliūnienė M., Holmfeldt K., Yoshida T., Šulčius S. (Lithuania, Japan, Sweden)
Diversity of cyanophages infecting diazotrophic toxin producing cyanobacterium *Nodularia spumigena* from the Baltic Sea.

124. Smutná M., Sehnal L., Pípal M., Rafajová A., Hilscherová K. (Czech Republic)
Retinoids commonly produced by environmental cyanobacterial water blooms activate retinoic-acid receptor and cause teratogenicity in zebrafish embryos.

125. Souza N., Metcalf J.S., Woods M., Cox P.A. (USA)
Preliminary assessement of culturable heterotrophic bacteria associated with hepatotoxic cyanobacterial scum.

126. Szubert K., Cegłowska M., Mazur-Marzec H. (Poland)
Cytotoxic metabolites of *Anabaena* from Baltic Sea.

127. Tsiarta N., Shuurmans M.J., Matthijs H.C.P., Antoniou M.G. (The Netherlands, Cyprus)
Classification of hydrogen peroxide, peroxymonosulfate and persulfate based on their mode of action on *Microcystis aeruginosa* strain PCC 7806.

128. Tsoumalakou E., Papadimitriou T., Berillis P., Kormas K.A., **Levizou E.** (Greece)
Spray irrigation of spinach with cyanotoxins-rich water: phytotoxicity, toxin bioaccumulation and leaf-attached bacteria.

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