

UV and visible radiation effects on aquatic environments

Chair: F. Ghetti (Pisa, ITA)

Invited Lectures:

Interactive effects of UVR and mixing in aquatic environments

E.W. Helbling, V.E. Villafañe (Playa Unión, ARG)

Photoreceptors in Marine Diatoms

M. Mangogna¹, S. Coesel¹, M. Siaut¹, F. Maumus², A. Falciatore¹, A. De Martino^{1,2}, C. Bowler^{1,2} (¹Napoli, ITA; ²Paris, FRA)

Synthesis and accumulation of mycosporine-like amino acids: an essential strategy to minimize UV damage in freshwater organisms

R. Sommaruga (Innsbruck, AUT)

Models and molecular markers for UV-B stress evaluation in aquatic ecosystems

R. Marangoni, D. Gioffré, G. Colombetti (Pisa, ITA)

Oral Presentations:

Impact of solar UV radiation on bacterioplankton and phytoplankton biomasses and activities at different depths in NW Mediterranean coastal water during summer

F. Joux¹, I. Obernosterer¹, P. Conan¹, F. Lantoiné¹, W.H. Jeffrey², A. Baldwin² (¹Banyuls-sur-mer, FRE; ²Pensacola FL, USA)

Solar UV radiation modulates daily production and DNA damage of marine bacterioplankton from a productive upwelling zone (36°S), Chile

K.L. Hernández¹, R.A. Quiñones¹, G. Daneri^{1,2}, M.E. Farias³, E.W. Helbling⁴ (¹Concepción, CHI; ²Valparaíso, CHI; ³San Miguel de Tucumán, ARG; ⁴Playa Unión, ARG)