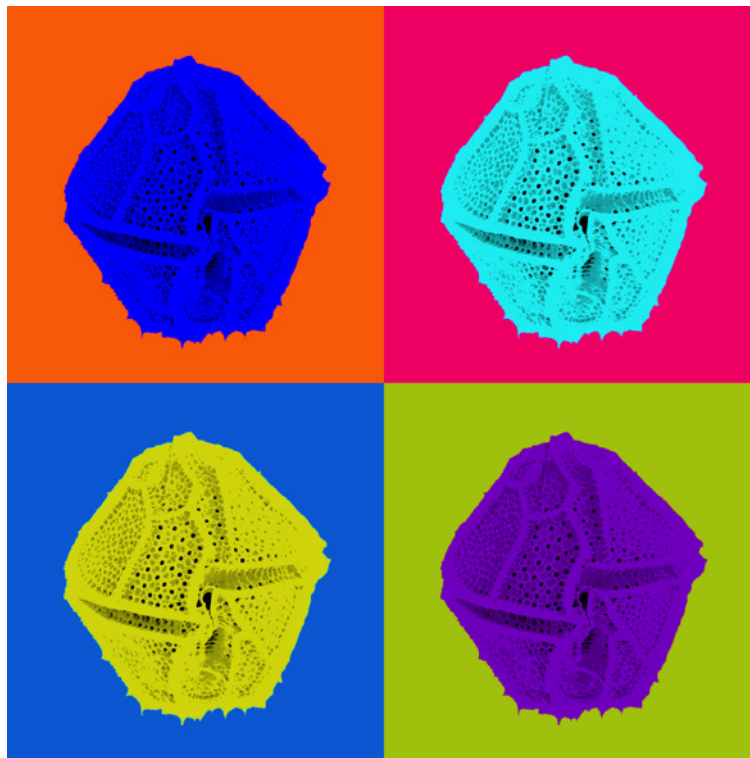


Società Botanica Italiana
Gruppo di Algologia
Riunione Scientifica Annuale
Trieste, 10-11 novembre 2017



Book of Abstracts

Società Botanica Italiana Gruppo di Algologia
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Trieste, 10-11 Novembre 2017

Sala Maggiore
Camera di Commercio Industria Artigianato e Agricoltura Venezia Giulia
Piazza della Borsa 14 - Trieste

Comitato organizzatore: Marina Cabrini, Bruno Cataletto, Annalisa Falace, Giorgio Honsell,
Francesca Petrera, Maurizio Spoto

Segreteria del convegno: Federica Cerino, Elena Di Poi, Daniela Fornasaro e Annalisa Franzo

Immagine di copertina di Giorgio Honsell

Organizzato da Istituto Nazionale di Oceanografia e di Geofisica Sperimentale - OGS, con la collaborazione di Università degli Studi di Udine, Università degli Studi di Trieste (Dipartimento di Scienze della Vita) e WWF Area Marina Protetta di Miramare. Con il Patrocinio della Regione Autonoma Friuli Venezia Giulia e del Comune di Trieste



RIUNIONE ANNUALE

Trieste, 10-11 Novembre 2017

Venerdì 10 Novembre

- 8.30 Registrazioni
9.00 Saluti di benvenuto

Microalghe I - Chairman: Adriana Zingone

- 9.15 **Monitoring of phytoplankton along Latium coast (Middle Tyrrhenian Sea) over the last fifteen years**
Bianco I., Viaggiu E. and Congestri R.
- 9.30 **Dynamics of the phytoplankton communities in the Mar Piccolo of Taranto, an Italian Long-Term Ecosystem Research (LTER-Italy) site**
Caroppo C., Rubino F.
- 9.45 **Harmful algal dynamics in the Gulf of Trieste during the last 30 years**
Cabrini M., Fornasaro D. and Kralj M.
- 10.00 **Phytoplankton diversity in Adriatic ports**
Mozetič P., Cangini M., Francé J., Bastianini M., Bernardi Aubry F., Bužančić M., Cabrini M., Cerino F., Čalić M., D'Adamo R., Drakulović D., Finotto S., Fornasaro D., Grilli F., Kraus R., Kužat N., Marić Pfannkuchen D., Ninčević Gladan Z., Pompei M., Rotter A., Servadei I., Skejić S.
- 10.15 **Survey on dinoflagellate cysts in recent marine sediments of the port of Trieste (Northern Adriatic Sea)**
Di Poi E., Beran A., Cabrini M.
- 10.30 **Microphytobenthic community structure in four Po Delta lagoons subjected to natural and anthropogenic disturbance**
Cibic T.
- 10.45 **Phytoplankton traits, functional groups and community organization**
Roselli L. and Litchman E.
- 11.00 **Application of taxonomic and morpho-functional properties of phytoplankton communities to water quality assessment for artificial lakes in the Mediterranean Ecoregion**
Vadrucci M. R., Barbone E., Ungaro N., Romano A. and Bucci R.
- 11.15 - 11.30 Coffee break

Macroalghe - Chairman: Annalisa Falace

- 11.30 **Two new species of the genus *Ceramium* Roth (Ceramiales, Rhodophyta) from the Venice Lagoon (Italy)**
Betto V.M., M. A. Wolf, A. Buosi, K. Sciuto, I. Moro, C.A. Maggs and Sfriso A.

- 11.45 Flora marina bentonica del Mediterraneo: Rhodophyta (*Rhodymeniophycidae* escluse)**
Cormaci M., Furnari G., Alongi G.
- 12.00 A journey of discoveries: New Zealand Kallymeniaceae**
D'Archino R.
- 12.15 Tracking the arrival and spread of non-indigenous macroalgae in New Zealand**
D'Archino R., Nelson W., Neill K., Sutherland J.
- 12.30 Citizens and scientists work together to monitor marine alien macrophytes**
Mannino A.M., Balistreri P., Deidun A.
- 12.45 Canopy-forming algae and biodiversity: the structure and large-scale spatial variability of macroalgal assemblages associated to *Cystoseira* beds**
Piazzì L., Pinna S., Ceccherelli G.
- 13.00 - 14.00 Pausa Pranzo**

Microalghe II - Chairman: Cecilia Totti

- 14.00 The ecology of the genus *Leptocylindrus* in a highly structured ecosystem, the northern Adriatic**
Pfannkuchen D. M., Kuzat N., Godrijan J., Smodlaka M., Baricevic A., Pustijanac E., Jahn R., Ivancic I., Pfannkuchen M.
- 14.15 The Ecology of One Cosmopolitan, One Newly Introduced and One Occasionally Ad-
vected Species from the Genus *Skeletonema* in a Highly Structured Ecosystem, the Nor-
thern Adriatic**
Smodlaka Tanković M., Pfannkuchen D.M., Godrijan J., Baričević A., Kužat N., Djakovac T., Pustijanac E., Jahn R., Pfannkuchen M.
- 14.30 Physiological adaptation within the Chaetoceraceae to the ecological challenges in the
northern Adriatic**
Kuzat N., Pfannkuchen D. M., Smodlaka M., Baricevic A., Pustijanac E., Gasparovic B., Novak T., Ivancic I., Pfannkuchen M.
- 14.45 *Ostreopsis ovata* Fukuyo 1981 along the eastern Adriatic coast**
Baričević A., Kužat N., Smodlaka Tanković M., Pfannkuchen D.M., Pfannkuchen M.
- 15.00 Ten years of research on *Ostreopsis cf. ovata* (Dinophyceae) in the Gulf of Trieste: an in-
terdisciplinary approach**
Honsell G., Ciminiello P., Dell'Aversano C., Pelin M., Penna A., Sosa S., Tubaro A.

Algologia applicata I - Chairman: Rossella Pistocchi

- 15.15 Hydrogel scaffolds from *Trichormus variabilis* (Nostocales, Cyanobacteria) exopolymers**
Bellini E., Ciocci M., Savio S., Antonaroli S., Seliktar D., Melino S., Congestri R.
- 15.30 Effect of CO₂ supply on the growth and nutrient uptake in microalgae cultures for indu-
ustrial applications**
Pezzolesi L., Guerrini F., Vanucci S., Pistocchi R.
- 15.45 BiOLEAP Biotechnological optimization of light use efficiency in algae photobioreactors**
Morosinotto T.

16.00 Intensive cultivation of *Staurosirella pinnata* (Bacillariophyceae) for mycosporine-like aminoacid characterization and bioactivity on melanoma cell line

Savio S., Bellini E., Rodolfo C., Piredda L., Canuti L., Canini A., Congestri R.

16.15 The use of Marine Resources for Restoration and Conservation of Artworks

Santamaria U., Morresi F., Fratini F., Bani S.

16.30 - 16.45 Coffee break

Algologia applicata II - Chairman: Adriano Sfriso

**16.45 Relazione ad invito - Mario R. Tredici
Food from Microalgae: Challenges and Opportunities**

17.15 Monitoring the cyanobacteria species biodiversity and growth during the maturation of Euganean Thermal Muds

Gris B., Caldara F., Treu L., Zampieri R., La Rocca N.

17.30 Investigating silver nanoparticles toxicity on marine macroalgae (*Ulva rigida*) using biochemical and physiological biomarkers

Sfriso A.A., Juhmani A.

17.45 Phytoplankton stable carbon isotopes as a tool to monitor CO₂ leakage at Carbon Capture and Storage sites

Relitti F., Ogrinc N., Giani M., Cerino F., De Vittor C., Urbini L., Krajnc B., Del Negro P.

18.00 Plant essential oils as a safe and non-invasive technology for the remediation of biodeteriorated stone Cultural Heritages

Bruno L., Valle V., Gismondi A., Canuti L., Canini A.

18.15 - 19.30 Assemblea degli iscritti

20.30 Cena sociale

Sabato 11 Novembre

Fisiologia - Chairman: Giorgio Honsell

9.00 Gene expression changes in diatoms in response to external stimuli

Ferrante M.I., Amato A., Dell'Aquila G., Ribera d'Alcalà M., Sanges R., Iudicone D.

9.15 Different features of the ultrastructure of autophagy in algae

Papini A., Tani C., Di Falco P., Wolswijk G., Santosuosso U., Nuccio C., Lazzara L., Ballini R.

9.30 Phosphorus and metal removal combined with lipid production by the green microalga *Desmodesmus* sp.: an integrated approach

Rugini L., Costa G., Congestri R., Antonaroli S., Bruno L.

9.45 A putative phytochelatin is involved in Cr(VI) tolerance in strict relation with sulphur metabolism in *Scenedesmus acutus* (Chlorophyceae)

Ferrari M., Cozza R., Marieschi M., Torelli A.

- 10.00 The potential role of phytoplankton in traps of carnivorous bladderworts (*Utricularia*, *Lentibulariaceae*)**
Ellwood N.T.W., Congestri R. and Ceschin S.
- 10.15 Acidification and temperature effects on the gene expression of the coccolithophore *Pleurochrysis pseudoroscoffensis***
Spazzali F., Gerdol M., Cerino F., Antonioli M., Beran A., Pallavicini A. and Cabrini M.
- 10.30 Acclimation of *Caulerpa cylindracea* to ocean acidification**
Santin A., Moschin E., Lorenti M., Buia M.C. and Moro I.
- 10.45 - 11.00 Coffee break**

Microalghe III - Chairman: Marina Cabrini

- 11.00 Factors affecting growth and toxin production in *Prorocentrum hoffmannianum* (Dinophyceae) from Florida Keys**
Accoroni S., Ceci M., Dell'Aversano C., Tartaglione L., Romagnoli T., Totti C.
- 11.15 A multi-gene phylogeny to uncover species diversity in the planktonic diatom genus *Chaetoceros* Ehrenberg, 1844**
De Luca D., Sarno D., Kooistra WHCF
- 11.30 Speciation by time in diatoms: the case of *Pseudo-nitzschia allochroa* sp. nov., a cryptic species in the *P. delicatissima*-complex**
Percopo I., Sarno D., Ruggiero M.V., Rossi R., Piredda R. and Zingone A.
- 11.45 Towards the assessment of the diversity of the dinoflagellate genus *Tripes*: single cell approach**
Mordret S., Mollica T., Biffali E., Montresor M., Pannone R., Piredda R., Kooistra WHCF, Sarno D.
- 12.00 *In vitro* isolation of anti-*Alexandrium minutum* nanobodies from a pre-immune library**
Mazzege E., Beran A., Cabrini M., de Marco A.

Fanerogame marine - Chairman: Maria Cristina Buia

- 12.15 Assessment of *Posidonia oceanica* (L.) Delile (1813) meadows along the Italian coasts: an excursus of 25 years**
Micheli C.
- 12.30 Success of aquatic angiosperm transplantation in the northern Venice Lagoon**
Sfriso A., Buosi A., Facca C., Franzoi P., Scapin L., Zucchetta M., Bonometto A., Boscolo R., Rampazzo F., Oselladore F., Ponis E.
- 12.45 Preliminary study of primary production and nutrient uptake by two seagrasses (*Zostera marina* and *Zostera noltei*) in the Venice Lagoon**
Tomio Y., Buosi A., Wolf M.A. and Sfriso A.
- 13.00 Chiusura dei lavori**