PROGRAMMA/SCHEDULE

VENERDÌ, 6 NOVEMBRE 2026/FRIDAY, 6TH NOVEMBER 2026

09:00 – 09:30 - **Registrazione dei partecipanti/Participant Registration**

09:30 – 10:00 - Saluti e introduzione alla Riunione/Welcome and Meeting Introduction

10:00 – 10:45- Relazione ad invito/INVITED TALK

Jason Hall-Spencer — Coralline algal habitat (maerl) monitoring: a role for citizen science

10:45 – 11:00 – PRIMA SESSIONE – I parte/FIRST SESSION – I part: *Algal Biotechnology and Biorefinery*

MODERATORI/CHAIRS: *S. Accoroni, C. Pennesi*

10:45 – 11:00 - **M. Sodini, S. Savio, M. Odorisio, L. Pezzolesi, C. Rodolfo, F.A. Agblevor, Y.A. Castro, R. Congestri** — Cascade biorefinery of Caribbean pelagic *Sargassum*: from bioactive extracts to biomethane.

11:00 – 11:30 – PAUSA CAFFÈ/COFFEE BREAK

11:30 – 13:00 – PRIMA SESSIONE – II parte/FIRST SESSION – II part: *Algal Biotechnology and Biorefinery*

11:30 – 11:45 - **S. Savio, M. Scollo, M. Sodini, M. Odorisio, A. Ferracin, L. Pezzolesi, C. Rodolfo, R. Congestri** — Biorefinery of the marine diatom *Odontella aurita* (Lyngbye) C. Agardh: from laboratory to industrial scale.

11:45 – 12:00 - **E. Pozzuoli, C. Auciello, M. Iovinella, C. Ciniglia** — Sequential valorisation of the extremophilic red alga *Galdieria daedala*: C-phycocyanin recovery and Rare Earth Elements biosorption from WEEE leachates.

12:00 – 12:15 - **M. Ferrari, M. Marieschi, D. Ceresini, G. Molinari, A. Bolchi, G. Spagnoli, C. Cotti, A. Torelli** — Development of a SpyCatcher-based surface display system in *Synechocystis* sp. PCC 6803.

12:15 – 12:30 - **M.L. Madeo, C. Giommi, T. Greca, M. Luci, C. Ruscelli, S. Balzano, C. Pennesi, N. Ruocco, R. Cozza, T. Romeo, L. Barra** — Exploring long-term storage of *Microglena uva-maris*: a cryopreservation-based approach.

12:30 – 12:45 - **M. Minio, B. Ajdini, C. Truzzi, A. Norici** — Screening of microalgal species for biomass production with Frass as the sole nutrient source.

12:45 – 13:00 - **M. Bussola, F. Nardi, L. Montalbetti, E. Sforza, C. Samorì, M. Ballottari, E. Barbera, L. Pezzolesi, N. Betterle** — Enhanced stability of carotenoid extracts through co-production engineering of vitamin E and astaxanthin in cyanobacteria.

13:00 – 14:15 - PRANZO/LUNCH

14:15 – 15:30 - **SECONDA SESSIONE/SECOND SESSION: *Algal diversity and Taxonomy***

MODERATORI/CHAIRS: *A. Falace, K. Sciuto*

14:15 – 14:30 - **A. Zingone, D. Sarno** — Revolutions in the identification of *Tripos* species: who is *T. furca*?

14:30 – 14:45 - **Y. Nemcova, I. Jadrna, P. Knotek, P. Skaloud** — Silica-scaled chrysophytes from temperate regions of the Southern Hemisphere (Tasmania and New Zealand), including three novel *Synura* species.

14:45 – 15:00 - **I. Nusco, V. Avola, M. Morabito, A. Manghisi** — New records of *Crassitegula garyi* L.Le Gall & C.W.Schneider (Sebdeniaceae, Rhodophyta) for the Adriatic and Aegean Sea.

15:00 – 15:15 - **S. D'Ambros Burchio, A. Pallavicini, L. Muggia, G. Furnari, D. Serio, I. Pagana, S. Greco, E. Chiarabelli, A.M. Mannino, A. Falace** — Reassessing species boundaries within the *Cystoseira* sensu stricto complex through integrative taxonomy (Fucales, Phaeophyceae).

15:15 – 15:30 - **M. Vita, F. Mondello, M. Morabito, S. Giacobbe, A. Manghisi** — The identity of Cladophoraceae (Chlorophyta) from two Oriented Nature Reserves in northeastern Sicily (Italy).

15:30 – 15:45 - **A. Holzinger, P.-H. Jouneau, C. Uwizeye, D. Falconet, E. Marechal, K. Herburger** — Cell Wall Characterization by TEM and FIB-SEM in *Streptofilum*: Member of a Putative new Class of Basal Streptophyta.

15:45 – 16:00 - **V. Avola, A. Manghisi** — Observations on the vegetative structure of the genus *Halymenia* s.l. (Halymeniales, Rhodophyta).

16:00 – 16:30 - PAUSA CAFFÈ/COFFEE BREAK

16:30 – 17:30 - **TERZA SESSIONE/THIRD SESSION: *Harmful algae and alien species***

MODERATORI/CHAIRS: *M. Morabito, A. Petrocelli*

16:30 – 16:45 - **M. Simonazzi, M. Cangini, S. Dall'Ara, E. M.-L. Janssen, E. Delbaje, D. P. Fewer, R. Pistocchi, L. Pezzolesi** — Genome-wide investigation of a benthic cyanobacterial isolate producing uncommon variant of hepatotoxic nodularin.

16:45 – 17:00 - **A. Tursi, B. Bottiglione, N. Ungaro, D. Battista, A. Bottalico** — From first record to rapid expansion: distribution, phenology and reproductive traits of *Rugulopteryx okamurae* in the southwestern Adriatic Sea.

17:00 – 17:15 - **G. Denti, A. Menegazzo, E. Pasqualin, F. Rubino, E. Cecere, A. Petrocelli** — First observations of the non-native *Halophila stipulacea* (Tracheophyta, Alismatales) in the Taranto seas (Ionian Sea, southern Italy).

17:15 – 17:30 - **M. Ubaldi, F. Neri, G. Montali, T. Romagnoli, A. Tomasini, C. Totti, M. Siracusa, T. Tavoloni, S. Bacchiocchi, F. Barchiesi, C. Cucchi, A. Piersanti, S. Accoroni** — DNA metabarcoding and light microscopy integrative identification of potentially toxic phytoplankton and its association with toxins in mussels from a LTER station in the Northern Adriatic Sea.

17:30 – 18:00 – QUARTA SESSIONE – I parte/FOURTH SESSION – I part: *Applied phycology and Biosensors*

MODERATORI/CHAIRS: *L. Pezzolesi, S. Savio*

17:30 – 17:45 - **A. Menegazzo, E. Pasqualin, G. Denti, E. Marchettoni, F. Rubino, A. Petrocelli, I. Moro** — Macroalgal communities as indicators of environmental quality in the transitional water system of Mar Piccolo of Taranto.

17:45 – 18:00 - **E. Casoni, G. Contis, L. Aguiari, M. Mistri, C. Munari** — Peracetic Acid (PAA) and *Phaeobacter inhibens* as Disinfection Treatments in the Aquaculture of Microalga *Isochrysis galbana* (var. T-ISO).

18:00 – 18:15 - **G. Furnari** — *Amenità ficologiche… e non solo!*

18:15 – 19:15 - **ASSEMBLEA DEI SOCI/ASSOCIATES' ASSEMBLY**

21:00 - **CENA SOCIALE presso il Ristorante *"LE MURA",* Foro Italico Umberto I, 17/18/19, 90133 Palermo/SOCIAL DINNER at the Restaurant *"LE MURA",* Foro Italico Umberto I, 17/18/19, 90133 Palermo**

SABATO, 7 NOVEMBRE 2026/SATURDAY, 7TH NOVEMBER 2026

09:00 – 10:00 – QUARTA SESSIONE – II parte/FOURTH SESSION – II part: *Applied phycology and Biosensors*

MODERATORI/CHAIRS: *C. Giommi, S. Savio*

09:00 – 09:15 - **S. Avilia, E. Pozzuoli, M. Iovinella, C. Ciniglia, S. Papa** — *Galdieria daedala* as a versatile extremophilic platform for circular resource recovery: from agro-industrial waste valorization to drugs tolerance.

09:15 – 09:30 - **S. Vernelli, L. Mollo, A. Petrucciani, M. Minio, I. Zuchegna, C. Gerotto, L. Pistelli, A. Norici** — Brewery wastewater as a growth medium induces a metabolic switch in microalgae.

09:30 – 09:45 - **M.A. Iorfino, C. Giommi, C. Pedà, T. Romeo** — A comparative study of chemical digestion methods for microplastic recovery from macroalgae.

09:45 – 10:00 - **M. Odorisio, S. Savio, M. Sodini, F. Pizzoli, L. Lvova, R. Congestri** — Seeking the "Right" Cyanobacteria to Support Microfluidic Sensor Development for Cyanotoxin Detection (MISSION Project).

10:00 – 11:00 QUINTA SESSIONE – I parte/FIFTH SESSION – I part: ***Coastal ecology and monitoring***

MODERATORI/CHAIRS: *A. Bottalico, D. Sarno*

10:00 – 10:15 - **G. Marletta, A. Lombardo, A. Falace, D. Serio, A.M. Mannino** — The fucalean forests of Salina Island (Aeolian Archipelago): past and present diversity, and conservation implications for MPA planning.

10:15 – 10:30 - **Z. Ljubešić, M. Spevec, L. Kovačević, A. Matek, A. Kulaš, N. Ivošević de Nardis, N. Novosel, P. Žutinić, M.G. Udovič** — Monitoring *Dunaliella* sp. dynamics in hypersaline environment of the Pag Saltern.

10:30 – 10:45 - **I. Fortuna, E. Casoni, M. Pezzi, C. Munari, M. Mistri, K. Sciuto** — First screening of macroalgal biodiversity in Comacchio Valleys (Ferrara, Italy) based on molecular analyses.

10:45 – 11:00 - **C. Giommi, M.A. Iorfino, C. Pedà, M. Dentale, M.C. Ciardiello, T. Romeo** — Macroalgae and microplastics: a review of field evidence, experimental approaches and methodological gaps.

11:00 – 11:30 - PAUSA CAFFÈ/COFFEE BREAK

11:30 – 12:15 QUINTA SESSIONE – II parte/FIFTH SESSION – II part: ***Coastal ecology and monitoring***

11:30 – 11:45 - **G. Silan, C. Facca, A. Buosi, C. Garbin, B. Esposito, S. Lucin, A. Volpi Ghirardini, M. Picone** — Innovative digital microscopy for the assessment of algae seagrass-associated communities in the Venice Lagoon.

11:45 – 12:00 - **G. Montali, F. Neri, S. Accoroni, P. Borrello, E. Spada, R. De Angelis, M. Ubaldi, A. Tomasini, M. Severini, T. Romagnoli, C. Totti** — Phytoplankton along the Italian coasts: patterns from ten years of MSFD monitoring.

12:00 – 12:15 - **M.S. Mente, R. Piredda, E. Scalco, A. Zingone, D. Sarno** — Diatoms Trait Patterns at the LTER MareChiara site in the Gulf of Naples: from 4-decade microscopy to high frequency imaging.

12:15 – 13:15 SESTA SESSIONE/SIXTH SESSSION: ***Physiology and environmental stress***

MODERATORI/ CHAIRS: *R. Congestri, A. Zingone*

12:15 – 12:30 - **T. Greca, M.L. Madeo, M. Luci, W.H.C.F. Kooistra, R. Cozza, G. Romano, L. Barra** — Spore formation dynamics in *Chaetoceros* spp. under cadmium and nitrogen-depletion stress.

12:30 – 12:45 - **C. Ciniglia, A. Pollio, E. Pozzuoli, M. Licata, N. Nappi, S.J. Davis, M. Iovinella** — Mosaic Evolution of Membrane Transporters in Galdieriales.

12:45 – 13:00 - **L. Roselli, G. Giugliano, E. Houliez, C. Pennesi, L. Miccio, V. Bianco, P. Ferraro** — Against the current: upstream behavior in pennate diatoms.

13:00 – 13:15 - **C. Ruscelli, C. Rizzo, L. Barra, T. Greca, T. Romeo** — Thermal response of the marine microalga *Chlamydomonas* sp. CCMP225: effects of increasing temperature on growth performance.

13:15 – 13:45 - **CONCLUSIONI E SALUTI FINALI/CONCLUSIONS AND FINAL GREETINGS**