GoTTs Annual Report 2023

Gulf of Trieste – Time-series (GoTTs)

Bruno Cataletto

1. Selected highlights

1.a. Publications since last report

Please add all publications since last report to the table below (see notes for details on "Class" and "Activity" fields).

Publication with DOI	Class 1, 2, 3	Activity*
Banchi E., Manna V., Fonti V., Fabbro C., Celussi M. (2022) Improving environmental monitoring of Vibrionaceae in coastal ecosystem through 16S rRNA gene amplicon sequencing. *Environmental Science and Pollution Research*, doi: 10.1007/s11356-022-22752-z		
Suárez Reyes N.C., Tirelli V., Ursella L., Ličer M., Celio M., Cardin V. (2022) Multi-platform study of the extreme bloom of the barrel jellyfish *Rhizostoma pulmo* (Cnidaria: Scyphozoa) in the northernmost gulf of the Mediterranean Sea (Gulf of Trieste) in April 2021. *Ocean Science*, 18, 1321-1337, doi: 10.5194/os-18-1321-2022		
Scheidemann L., Pontiller B., Manna V., Cisternas-Novoa C., Celussi M., Tsiola A., Pitta P., Magiopoulos I., Engel A. (2022) Dynamics and enzymatic degradation of exopolymer particles under increasing concentrations of silver ions and nanoparticles during a marine mesocosm experiment. *Frontiers in Marine Science*, doi: 10.3389/fmars.2022.955488		
Rees A.P., Faraggiana E., Tait K., Celussi M., Dafnomilli E., Manna V., Manning A.J., Živanovic S. (2022) The presence of silver nanoparticles reduces demand for dissolved phosphorus to the benefit of biological nitrogen fixation in the coastal eastern Mediterranean Sea. *Frontiers in Marine Science*, doi: 10.3389/mars.2022.907269		
Nasi F., Vesal S.E., Relitti F., Bazzaro M., Teixidó N., Auriemma R., Cibic T. (2023) Taxonomic and functional macrofaunal diversity along a gradient of sewage contamination: A three-year study. *Environmental Pollution*, doi: 10.1016/j.envpol.2023.121022		

*If appropriate, please list the IMBeR activity through / by / from / during which the publication arose

****<u>Notes on publications</u>****

Publications are logged in the IMBeR Zotero library which is publicly accessible online –

Publications are categorised by "Class" and linked to "Activities":

Class 1 publications are specifically generated through/by/from/during ***IMBeR activities*** - for example, arising from IMBIZOs and IMBeR conferences such as the IMBeR open science meeting and the IMBeR West Pacific symposia and from the activities of the working groups, regional programmes and the SPIS scoping teams.

Class 2 publications are on topics relevant to the IMBeR Science Plan that benefitted from some interaction with IMBeR or ***IMBeR activities***, for example by IMBeR symposium attendees, past and present SSC members, working group, regional programme and endorsed project members, or national contacts.

Class 3 publications are on topics relevant to the IMBeR Science Plan but for which there is no direct link to or benefit from an IMBeR activity. These might include publications by SSC members, working group, regional programme or endorsed project members or members of the IMBeR international community that were written as part of the normal scientific activity of the authors and would have occurred irrespective of IMBeR's existence. You can report Class 3 publications, but they will no longer be logged in the IMBeR database.

[See "What is an IMBeR publication?" for further information]

Why list 'Class' and 'Activity'? This helps us to declare authentically which publications IMBeR has helped to generate, and it makes it easier for us to demonstrate the value of the Regional Programmes, the Working Groups, and IMBeR in general, and it helps us to justify support for IMBeR activities when we can list tangible outputs.