

Chiara Pennesi



Born in Jesi (AN) (Italy)

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Current Position Ricercatore III° livello

Current Affiliation:

Integrative Marine Ecology Department, Stazione Zoologica Anton Dohrn, Napoli (Italy) and Head of Research Infrastructures for Marine Biological Resources Department

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Stazione Zoologica Anton Dohrn, Napoli, Italy	Resercher	2021-present	<u>Benthic Diatom</u> : ecology, taxonomy, and phylogenetic systematics; Ecology of <u>microphytobenthos</u> ; Biosorption of metals using macroalgae industrial waste
Polytechnic University of Marche, Italy	Adjunct Professor	2017-2018	Botany
Polytechnic University of Marche, Italy	Postdoc	2011-2017	<u>Benthic Diatom</u> : ecology, taxonomy, and phylogenetic systematics; Ecology of <u>microphytobenthos</u> ; Biosorption of metals using macroalgae industrial waste
Polytechnic University of Marche, Italy	Ph.D.	2010	The epiphytic diatom genus <i>Mastogloia</i> G.H.K. Thwaites in W. Smith from different biogeographic areas
Polytechnic University of Marche, Italy	Master degree	AY 2002/2003	Marine Biology - marine phytocenoses

Appointments and awards

2013-present: Principal Investigator of the **Western Pacific Diatoms Project** (ProtistCentral; http://www.protistcentral.org/index.php/Project/get/project_id/17.).

2016: Winner of the **SYNTHESYS** award (EC-funded project) - An integrated European infrastructure for researchers in the Natural Sciences.

2017– present: Member of board for the evaluation of proposals and final reports at the **NATIONAL SCIENCE CENTER (NCN)** of Poland.

2017 – present: member of the Editorial Board of **Phytotaxa** (ISI-journal; Scopus listed; <https://biotaxa.org/phytotaxa>).

2018 – 2024: ASN Associate Professor in **Botany** (05/A1); II Fascia.

2021 – 2030: ASN Full Professor in **Botany** (05/A1); I Fascia.

Other

- Member of Società Botanica Italiana (**SBI**), Gruppo di Algologia, International Society for Diatom Research (**ISDR**), Società Italiana di Ecologia (**SIe**), Associazione Italiana di Oceanografia e Limnologia (**AIOL**).
- Discovered and instituted **22 new taxa** deposited in international museums:
 1. *Mastogloia neoborneensis* **Pennesi** & Totti (Phycologia 2011) at Museum of Nature, Ottawa, Canada.
 2. *Mastogloia oculoides* **Pennesi** & Poulin (Journal of Phycology 2012) at Museum of Nature, Ottawa, Canada.
 3. *Mastogloia sergiana* **Pennesi** & Poulin (Journal of Phycology 2012) at Museum of Nature, Ottawa, Canada.
 4. *Mastogloia matthaei* **Pennesi** & Poulin (Phytotaxa 2013) at Museum of Nature, Ottawa, Canada.
 5. *Mastogloia stellae* **Pennesi** & Poulin (Phytotaxa 2013) at Museum of Nature, Ottawa, Canada.
 6. *Mastogloia parlibellioides* Lobban & **Pennesi** (Botanica Marina 2014) at California Academy of Sciences, San Francisco, USA.
 7. *Mastogloia lyra* Lobban & **Pennesi** (Botanica Marina 2014) at California Academy of Sciences, San Francisco, USA.
 8. *Mastogloia sawensis* Al-Handal & **Pennesi** (Fottea, Olomouc 2015) at Natural History Museum, London, U.K.
 9. *Mastogloia vestigiostrata* Al-Handal & **Pennesi** (Fottea, Olomouc 2015) at Natural History Museum, London, U.K.
 10. *Mastogloia abnormis* Al-Handal & **Pennesi**, (Diatom Research, 2016) at Natural History Museum, London, U.K.
 11. *Mastogloia discrepata*, Al-Handal & **Pennesi** (Diatom Research, 2016) at Natural History Museum, London, U.K.
 12. *Mastogloia aegyptiaca*, **Pennesi** & Poulin (Protist, 2016) at Museum of Nature, Ottawa, Canada.
 13. *Mastogloia rosalbae*, **Pennesi** (Protist, 2016) at Museum of Nature, Ottawa, Canada.
 14. *Diploneis cerebrum* **Pennesi**, Caputo & Lobban (Diatom Research, 2017) at Museum of Nature, Ottawa, Canada.

15. *Diploneis craticula* **Pennesi**, Caputo & Lobban (Diatom Research, 2017) at Museum of Nature, Ottawa, Canada.
16. *Diploneis crispa* **Pennesi**, Caputo & Lobban (Diatom Research, 2017) at Museum of Nature, Ottawa, Canada.
17. *Diploneis rimosa* **Pennesi** & Caputo (Diatom Research, 2017) at Museum of Nature, Ottawa, Canada.
18. *Diploneis weissflogiopsis* Lobban & **Pennesi** (Diatom Research, 2017) at Museum of Nature, Ottawa, Canada.
19. *Diploneis claustra* Lobban & **Pennesi** (Diatom Research, 2017) at Museum of Nature, Ottawa, Canada.
20. *Anorthoneis arthus-bertrandi* De Stefano & **Pennesi** (Phytotaxa, 2018) at erbario della Stazione Zoologica "Anton Dohrn", Napoli, Italia.
21. *Mastogloia wulffii* Al-Hadal & **Pennesi** (Fottea, 2018) at Botanischer Garten und Botanischer Museum (BGBM), Berlin, Germany.
22. *Mastogloia jahniae* Al-Hadal & **Pennesi** (Phytotaxa, 2020) at Gothenburg Herbarium, University of Gothenburg, Sweden.

Students' Supervision

Supervisor e co-supervisor of several Masters degree students at Polytechnic University of Marche, Italy.

Publications

Author of 27 publications on ISI-journals (h index: 10) and 3 book chapters

List of publications of the last 10 years (2012-present):

Peer-reviewed publications:

- Al-Handal AY, Wulff A, Pennesi C, (2021). *Mastogloia jahniae* sp. nov., a new diatom (Bacillariophyceae) from the Baltic Sea coast of Sweden. *Phytotaxa*, 484: 121-128.
- Pennesi C, Amato A, Occhialini S, Critchley AT, Totti C, Giorgini E, Conti C, Beolchini F, (2019). Adsorption of indium by waste biomass of brown alga *Ascophyllum nodosum*. *Scientific Reports*, 9: 16763.
- Pennesi C, Majewska R, Sterrenburg FAS, Totti C, De Stefano M, (2018). Taxonomic revision and morphological cladistics analysis of the diatom genus *Anorthoneis* (Cocconeidaceae), with description of *Anorthoneis arthus-bertrandii* sp. nov. *Phytotaxa*, 336: 201-238.
- Pennesi C, Danovaro R, (2017). Assessing marine environmental status through microphytobenthos assemblages colonizing the Autonomous Reef Monitoring Structures (ARMS) and their potential in coastal marine restoration. *Mar Pollut Bull*, 125: 56-65.
- Pennesi C, Caputo A, Lobban CS, Poulin CS, Totti C, (2017). Morphological discoveries in the genus *Diploneis* (Bacillariophyceae) from the tropical west Pacific, including the description of new taxa. *Diatom Res*, 32: 195-228.
- Pennesi C, Poulin M, Totti C, (2016). Phylogenetic Relationships and Biogeography of the Diatom Genus *Mastogloia* (Bacillariophyceae): Revision of the Section Ellipticae Including the Description of New Taxa. *Protist*, 167: 148-173.

- Lobban CS, Pennesi C, (2014). Two new *Mastogloia* species (Bacillariophyceae), *M. parlibellioides* and *M. lyra*, from coral reefs in Guam, Western Pacific. *Bot Mar*, 5: 41-54.
- Pennesi C, Totti C, Beolchini F, (2013). Removal of Vanadium(III) and Molybdenum(V) from Wastewater Using *Posidonia oceanica* (Tracheophyta) Biomass. *Plos One*, 8 (10): art. no. e76870.
- Pennesi C, Poulin M, De Stefano M, Romagnoli T, Totti C, (2012). Morphological studies of some marine *Mastogloia* (Bacillariophyceae) belonging to section *sulcatae*, including the description of new species. *J Phycol.*, 48: 1248-1264.
- Pennesi C, Vegliò F, Totti C, Romagnoli T, Beolchini F (2012). Nonliving biomass of marine macrophytes as arsenic (V) biosorbents. *J Appl Phycol*, 24: 1495-1502.