

Personal: Romana Melis

Place and Date of Birth: Gorizia (Italy) 02, July, 1959.

Nationality: Italian

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Education and Employment

2023: National Scientific Qualification for the role of Associate Professor in the scientific disciplinary sector GEOS-02/A - Palaeontology and Palaeoecology

1992-present: **researcher**, scientific sector GEO/01- Department of Mathematics and Geosciences, University of Trieste

1989-1992: collaboration with the Laboratory of Marine Biology of Trieste on the multidisciplinary study of the mucilage phenomenon. Responsible for a Perkin Elmer CHN 2400 instrument

1989: PhD degree in Marine Science at the University of Trieste

1986-1988: PhD student in Marine Science, University of Trieste

1978-1985: Graduated in Geological Sciences, University of Trieste

Scientific Interest

Topics: Recent and Quaternary micropaleontology of the Mediterranean, extra-Mediterranean and polar areas: systematics, ecology, paleobiogeography, palaeoenvironmental and paleoclimatic changes. Geoarchaeology: palaeoenvironmental reconstructions. Biostratigraphy and paleogeography in the time-span Cretaceous-Eocene in the Karst region.

Tools: living and fossil benthic foraminifers. Systematics, ecology, palaeoecology, biostratigraphy, shell geochemistry. Biomonitoring of transitional environments.

Field sites: Mediterranean area (Italy, Turkey, Egypt), extra-Mediterranean polar areas (Antarctica and Svalbard Islands).

Publications and congress presentations

I authored 70 articles and almost 90 congress presentations.

Bibliometric Indexes

Google Scholar: n. of papers: 90; Total citations: 1012; h-index: 17

ISI Web of Science: n. of papers: 27; Total citations: 412; h-index: 12

Scopus: n. of papers: 35; Total citations: 599; h-index: 13

Professional Affiliations

Società Geologica Italiana (SGI)

Courses and thesis

Bachelor and master teaching: Micropaleontology, Biostratigraphy, Applied Micropaleontology, Palaeontology (part of), Environmental monitoring laboratory (part of).

I supervised several bachelor and master degree students at University of Trieste. I have been tutoring of research fellows in 2009, 2012, 2015.

PhD Thesis

I was tutor and co-tutor of 4 PhD students.

Editorial activity

2007 – co-editor with D.J Stanley., A. Bandelli, M.P. Bernasconi, T. Jorstad, N. Pugliese, G. Schneoo, A. Warne of the book *Underwater archaeology in the Canopic region in Egypt, Geoarchaeology*. 128 pp., Oxford:Oxford Centre for Maritime Archaeology, ISBN: 9780954962746

- 2006 - co-editor with R. Romano, G. Fonda of the *Giornate di Paleontologia 2006, Trieste 8-11 giugno. Guida alle escursioni*. Ediz. Univ. di Trieste, 126 pp., Trieste 8-11 giugno.
- 2002 - co-editor with J. Hoenegger J., P. Pervesler, N. Pugliese N. of the *EMMM'2002 Field excursion guide*. 3° Intern. Congr. "Environ. Micropal., Micropal., and Meiobent.", Trieste 6-9/9/2002, 47pp.

About 3 revisions per years for several national and international journals (Environmental Science and Pollution Research, Zeitschrift für Geomorphologie, Facies, Marine Mediterranean Science, The Holocene, Bollettino Società Paleontologica Italiana, Water (MDPI), Thalassas, Journal of Micropalaeontology) and revision for two PhD thesis.

Review of Grant Proposals:

2019 "Response to environmental change and post-industrial recovery of foraminifera from South Georgia fjords, sub-Antarctic" submitted to National Science Center (NCN panel ST10), Poland

2011 "Functional Shell Morphology of Larger Benthic Foraminifera", 2011 submitted to the Austrian Science Fund Proposal

Organization of National and International Conferences

2023 – Co-convenor of the thematic session S13 "Foraminifera in polar environments: problems of preservation, presence in different palaeoenvironments and related problem solving" in the FORAMS 2023 International Symposium, Urbino 26-30 giugno 2023

2012 - Co-convenor of the workshop ESP-HOLOCLIP Project, Trieste, May 8th-9th 2012

2006 - Co-convenor of the Meeting "Giornate di Paleontologia 2006", Trieste 8-11 giugno.

2005 - Convenor of the "Corso di statistica Pratica per micropaleontologia" Trieste 17-19 marzo;

2002 - Co-convenor of the excursion 3 ° Intern. Congr. "Environ. Micropal., Microbiologia., Meiobent.", Trieste 6- 9 settembre;

1995 - Co-convenor of the workshop "La Tutela dei Beni paleontologici: Problemi e Prospettive - Trieste 12 maggio;

1994 - Co-convenor of the Meeting CNR "Paleobenthos", Trieste 6-8 giugno;

1992 - Co-convenor of the XXXIII CIESM, Trieste 12-16 ottobre;

Research Grants

2021-2023 participant to the project P.N.R.A. *Cook glacier-Ocean system, sea Level and Antarctic Past Stability COLLAPS* (coord. L. De Santis, OGS Trieste)

2020-2023 participant to the project P.N.R.A. *CryptotepHra In Marine sEquences of the Ross Sea, Antarctica: implications and potential applications CHIMERA* (coord. P. Del Carlo, resp. U.O. R. Melis)

2019-2021 participant to the project Ministero Affari Esteri (MAE) - *Evoluzione tardo quaternaria dell'interazione oceano-calotta glaciale: la registrazione nel margine continentale del Mare di Ross (Antartide) (STREAM)* (coord. E. Colizza)

2018-2019 participant to the project P.N.R.A. *TRACERS - TefRocronologia ed eventi mArker per la Correlazione di archivi naturali nel Mare di RosS, Antartide* (coord. A. Di Roberto)

2017-2018 participant to the project F.R.A. Università di Trieste *Sedimentazione sul margine interno della Calabria Ionica e rischi connessi (SInCro)* (coord. dr. E. Colizza)

2015-2016 participant to the project F.R.A. Università di Trieste *Monitoraggio ambientale di una valle da pesca in ambiente lagunare contaminato da mercurio attraverso un approccio multidisciplinare* (coord. S. Covelli)

2014-2016 participant to the project P.N.R.A. *CORIBAR-IT Dinamica glaciale e deposizione associata all'ultimo ritiro glaciale del Mare di Barents nord occidentale: un progetto a 5-nazioni per perforare l'Artico con il sistema MeBo* (coord. R. Lucchi, resp. U.O. R. Melis)

2013 coordinator of the project F.R.A. Università di Trieste *Monitoraggio ambientale di siti marini costieri mediterranei attraverso l'utilizzo interdisciplinare di dati abiotici e microfaunistici* (coord. R. Melis)

2011-2013 participant to the project PRIN *Studio geologico relativo all'evoluzione paleoambientale e paleoclimatica olocenica nell'area archeologica di Elaiussa Sebaste (Turchia sud-orientale)* (coord. S. Equini).
2010 participant to the European Science Foundation Project *Holocene climate variability at high-southern latitudes: an integrated perspective (HOLOCLIP)* (coord. B. Stenni)
2009 coordinator of the project F.R.A. Università di Trieste *Evoluzione paleoambientale olocenica della zona costiera compresa fra i Meridiani Aquileia-Grado e Trieste (Adriatico Settentrionale)* (coord. R. Melis)
2009 participant to the project *Evoluzione di un margine glaciale artico continentale: il sistema meridionale delle isole Svalbard - EGLACOM*, (resp. M. Rebesco, OGS Trieste)
2003-2004 participant to the project P.N.R.A. *Evoluzione climatica tardo-quadernaria in Aree magellanico-fuegine (Sud America)* (coord. A. Brambati)
2003-2004 participant to the project P.N.R.A. *Evidenze paleoambientali di fluttuazioni climatiche oloceniche nei sedimenti di alcune baie del Mare di Ross occidentale* (coord. F. Finocchiaro)
2002-2005 participant to the project *Geoarcheologia-Global Change Program: sommersione di antiche città greche al largo del delta del Nilo, Egitto* (coord. DJ Stanley, Smithsonian Institution di Washington, USA)
2002-2004 participant to the PRIN *Diffusione ed ecologia dei foraminiferi e degli ostracodi olocenici e attuali nella fascia costiera di Phetchaburi (Tailandia)* (coord. E. Robba).

Academic Coordinator Activity

2021- present: member of the Collegio del Dottorato in Scienze Polari, University of Siena

2013-2015: President and Coordinator for the Bachelor and Master Courses in Geology, University of Trieste

2010-2011: member of the Collegio del Dottorato in Geoscienze, University of Trieste

2004-present: member of the Educational Board for bachelor and master courses in Geology and Geosciences, University of Trieste

2003-2009: member of the Collegio del Dottorato in Scienze Ambientali (ambiente fisico, marino e costiero), University of Trieste