CURRICULUM VITAE

Last Name	**BASSO**
First Name	DANIELA MARIA
Title	Professor
Address	DISAT, Piazza della Scienza 4, 20126 Milano (MI) Italy
Telephone	+39.02.64482083
e-Mail	daniela.basso@unimib.it
Web Page	https://www.unimib.it/daniela-maria-basso
Teaching Career	2019 to present: Full Professor, Dept. of Earth and Environmental Sciences, UNIMIB 2006-2018: Associate Professor, Dept. of Earth and Environmental Sciences, UNIMIB. 2002-2006: Assistant Prof., Dept. of Geological Sciences and Geotechnologies, UNIMIB. 2001-2002: Research fellow, Dept. of Geological Sciences and Geotechnologies, University of Milano-Bicocca (UNIMIB). 1999-2001: Research fellow, Dept. of Earth Sciences, University of Milano
Teaching Activities	General and systematic paleontology (undergraduates) Geobiology and Applied marine paleoecology (master students) Priority habitats and habitat engineers for the course Applied Geomorphology and Habitat Marine Geology and geobiology of tropical environments (master: Marine Sciences for sustainable development), 2011. Marine Geology and geobiology of tropical environments (master: Natural Science guides: Mediterranean and Tropics), 2003-2006. Tutor or co-tutor of dozens of graduate and master thesis in Earth Science and in Natural Sciences Tutor or co-tutor of several PhD theses in Earth Sciences, also within the European Doctorate.
Other Activities	2018 to present: Director of the Master's programme in Marine Sciences Former Director of the National working group CEMT – Centro di Ecologia Marina Tropicale of CoNISMa (Italian Interuniversity Consortium for Marine Sciences) http://www.conisma.it/cemt/ Member of the Italian Paleontological Society SPI Member of the scientific committee of the CUDaM, Milano-Bicocca University Dating Centre Member of the Academic Council for PhD in Earth Sciences Convenor of the 6th IFAA (Intl. Fossil Algae Association) Regional Symposium in Milan, July 2009 http://www.geo.unimib.it/ifaa/ Member of the scientific committee and convenor of a scientific session at the 29th IAS meeting of Sedimentology (Schladming, 2012) Project Evaluator for the European Union FP7 Programme (Environment). External evaluator of the scientific products for the Italian ANVUR. Project evaluator for FAST, the National Organizer of the European Union Contest for Young Scientists. Subject Editor for Bioconstructions and calcareous algae for Marine Biology Res. (formerly Sarsia and Ophelia), Assistant Editor of Notebooks on Geology.

	Referee for the following journals: Geology, Geological Society of America, Marine Ecology, MEPS, Botanica Marina, Phycologia, Palaios, Journal of Environmental Management, Australian Journal of Botany, Journal of Phycology, Phytotaxa, Lethaia, Biogeosciences, Cahier de Biologie Marine, Cryptogamie, Algologie, Beiträge Zur Paläontologie, Palaontologische Zeitschrift, Pal.Pal.Pal., Mediterranean Marine Science, Palaios, Rivista Italiana di Paleontologia e Stratigrafia, Sedimentary Geology, South African J. of Science. Italian J. of Geosciences, Geodiversitas. NATIONAL AND INTERNATIONAL RESEARCH PROJECTS <u>International</u>: SEMSEEP - EUROFLEETS2 project. – Seafloor methane seeps, carbonate buildups and deep-sea corals in an oligotrophic marginal sea – the case of the southeast Mediterranean Eratosthenes Seamount and offshore Israel. EuroMarine Network. From genes to ecosystems in changing oceans. Substitute representative of CoNISMa (National Interuniversity Consortium for Marine Sciences). 2014-2016. (http://www.euromarineconsortium.eu/euromarineplus) COCARDE-ERN Cold-Water Carbonate Mounds in Shallow and Deep Time – The European Research Network, project no. 09-RNP-109 European Science Foundation. Italian Member of the International Steering committee. 2011-2016 MedSeA Mediterranean sea acidification in a changing climate - European Commission, FP7. The response of sensitive benthic organisms, among which the coralline algae, to the ongoing climate change and ocean acidification. 2010-2014. <u>National</u>: LCC: Ocean alkalinization using lime, a pilot study on plankton (EULA, PoliMi). 2021 CRESCIBLUREEF: FISR National project 2019. New technologies for the knowledge of Mediterranean algal reefs. 2021-2022. LIFE BEYOND PLASTIC: activation of good practices to mitigate the anthropic impact on the environment and to reduce plastic pollution in the seas. 2019-2021. MARINE STRATEGY National activity of implementation of the Marine Strategy Directive of the EU, coordinated by CoNISMa and ISPRA. RITMARE: Ricerca Italiana per il Mare http://www.mit.gov.it/mit/. In cooperation with the Catania Univ., with activities aimed at improving citizens' knowledge of the marine environment and increasing public awareness about marine management issues. MIUR Initiative for the diffusion of the scientific culture. On the seafloor: explorations and research of Marine Geology and Geobiology National coordinator of the project. 2013-2014
Research Activities	Ecology and paleoecology of macrobenthic communities Mediterranean and Indo-Pacific benthic associations Biogeological record of recent environmental changes in coastal areas Systematics, ecology/paleoecology and biogeochemistry of living and Cenozoic calcareous algae Corallinophycidae (Rhodophyta) and their role in the bioconstruction and the global climate change Image analysis and multivariate analysis of benthic associations D. Basso has published about 200 scientific contributions, including 8 chapters of books, and about 100 abstracts for presentations in national and international congresses.
List of 10 main Publications of the last 5 years	Caragnano A., **Basso D.**, Spezzaferri S. & Hallock P. (2021). A snapshot of reef conditions in North Ari Atoll (Maldives) following the 2016 bleaching event and *Acanthaster planci* outbreak. *Marine and freshwater research.*

	Basso D. & Savini A. (2021). Shoreline changes in response to sea-level rise: Are Maldivian atolls really disappearing? In: S. Malatesta, M. Smidth di Friedberg, S. Zubair, & D. Bowen (Eds.), Atolls of the Maldives. Rowan & Littlefield Publisher. Caragnano A., Rodondi G., **Basso D.,** Pena V., le Gall L. & Rindi F. (2020). Circumscription of *Lithophyllum racemus* (Corallinales, Rhodophyta) from the western Mediterranean Sea reveals the species *Lithophyllum pseudoracemus* sp. nov. *Phycologia*, 1-14. Beccari V., Spezzaferri S., Stainbank S., Hallock P., **Basso D**., Caragnano A., et al. (2020). Responses of reef bioindicators to recent temperature anomalies in distinct areas of the North Ari and Rasdhoo atolls (Maldives). *Ecological indicators*, 112. Beccari V., **Basso D**., Spezzaferri S., Ruggeberg A., Neuman A. & Makovsky Y. (2020). Preliminary video-spatial analysis of cold seep bivalve beds at the base of the continental slope of Israel (Palmahim Disturbance). *Deep-sea research. Part 2. Topical studies in oceanography,* 171. Coletti G., Hrabovský J. & **Basso D**. (2020). *Chamberlainium pentagonum* (Conti) comb. nov. and *Spongites fruticulosus* (Corallinales, Rhodophyta) in the Miocene carbonates of the western Mediterranean. *Carnets de géologie*, 20, 223-240. Ragazzola F., Caragnano A., **Basso D**., Schmidt D. & Fietzke J. (2020). Establishing temperate crustose Early Holocene coralline algae as archives for palaeoenvironmental reconstructions of the shallow water habitats of the Mediterranean Sea. *Palaeontology*, 63, 155-170. Caragnano A., **Basso D**., Storz D., Jacob D., Ragazzola F., Benzoni F., et al. (2017). Elemental variability in the coralline alga *Lithophyllum yemenense* as an archive of past climate in the Gulf of Aden (NW Indian Ocean). *Journal of Phycology*, 53, 381-395. **Basso D.**, Babbini L., Kaleb S., Bracchi V. & Falace A. (2016). Monitoring deep Mediterranean rhodolith beds. *Aquatic conservation-marine and freshwater ecosystems*, 26, 549-561. Caragnano A., **Basso D**. & Rodondi G. (2016). Growth rates and ecology of coralline rhodoliths from the Ras Ghamila back reef lagoon, Red Sea. *Marine Ecology*, 37, 713-726
Scientific Expertise	Historical ecology, conservation paleobiology and paleoecology of temperate benthic communities, calcareous algae and bioconstructions