



Prof. Adriana Giangrande

Current position:

Associate professor of Zoology at the Department of Biological and Environmental Sciences and Technology (DiSTeBA), University of Salento, Lecce, Italy, responsible person of the Systems for Optical stereomicroscopy laboratory BIOforIU, University of Salento

Contact details:

DiSTeBA, Ecotekne Campus, University of Salento, 73100 Lecce, Italy
Tel: +39 (0)832 , Fax: +39(0)832 298702
email: adriana.giangrande@unisalento.it

Web page:

<https://www.unisalento.it/web>
orcid.org/0000-0003-4531-2377

Education:

Degree in Biology at the University “La Sapienza” Rome, (Italy) (1978?)
PhD in Environmental Sciences obtained at the Department of Environmental Sciences and Territory, University of Pisa (Italy) (1984?)

Biosketch

Decades of experience in the organization of basic University Courses of Zoology for Biological Sciences, and courses for Specialistic degrees (Marine Biology, Parasitology, Symbiosis, Community Ecology), and Magisterial English degrees (Coastal Marine Biology and Ecology), as well as courses within the Doctoral PhD in Ecology. Specialist of the group Annelida Polychaeta, she has worked on the program "Fauna of the Mediterranean sea worms" in collaboration with other experts, with whom he participated in the drafting of the check list of polychaetes of the Italian coast and is currently one of the worldwide recognized specialists in the taxonomy of the family Sabellidae, in which she have described XX species new to science.

Head of a team at the DiSTeBA (Department of Biological and Environmental Sciences and Technologies) University of Salento, collaborating with various Universities and Institutes National and international. Her research activity is developed around various aspects of Biodiversity: Taxonomy and Systematics, with investigations of Faunistic, Zoogeography and Phylogeny, conducted in the past primarily on morphological bases, but recently also with molecular tools. Biology of species, Reproduction and reconstruction of life-cycle, throughout rearing and breeding experiments. Ecology, dynamics of populations and biotic interactions, and Environmental Monitoring, evaluation of environmental quality, towards the potential use of marine invertebrates in the treatment of polluted waters (Bioremediation). Conservation and environmental impact. This expertise, have proven particularly useful in the study of issues related to the introduction of alien species, with special attention to climate change. Within this latter issues she works also in collaboration with the colleague of the Stazione Zoologica, Gambi M.C. and Musco L.

She has published over 100 ISI paper, for a totale of 4392 citations and a H index = 34 (based on google-scholar profile, October 2017). She has also published two student books on Symbiosis and Evolution.

Selected publications

Giangrande A. 1997. Polychaete reproductive patterns, life-cycle and life-history: an overview. *Oceanography and Marine Biology an Annual Review*, 35: 323-386.

Giangrande A. 2003. Biodiversity, conservation and the “taxonomic impediment”. *Acquatic Conservation*, 13: 451-459.

Giangrande A., M. Licciano and L. Musco (2005). Polychaetes as environmental indicators revisited. *Marine Pollution Bulletin* 50(11): 1153-1162.

Giangrande A., Licciano M. 2006. The genus *Euchone* (Polychaeta, Sabellidae) in the Mediterranean Sea, addition of two new species and discussion on some closely related taxa. *Journal of Natural History*, 40(21-22): 1301-1330.

Giangrande A. Licciano M. 2014. Regeneration and clonality in Metazoa. The price to pay for evolving complexity. *Invertebrate Reproduction & Development*, 58 (1): 1-8. DOI 1080/07924259.2013.793622.

Giangrande A., Licciano M., Schirosi R., Musco L., Stabili L. 2014. Chemical and structural defensive external strategies in six sabellid worms (Annelida). *Marine Ecology* 35: 36-45.

Gambi MC, Musco L, Giangrande A, Badalamenti F, Micheli F, Kroeker Kj 2016. Distribution and functional traits of polychaetes in a CO2 vent system: winners and losers among closely related species. *MARINE ECOLOGY PROGRESS SERIES*, vol. 550, p. 121-134, ISSN: 0171-8630, doi: 10.3354/meps11727

Giangrande A., , Licciano M., del Pasqua M., Fanizzi F. P., Migoni D., Stabili L. 2016. Heavy metals in five Sabellidae species (Annelida, Polychaeta): ecological implications. *Environmental Sciences and Pollution Research* DOI 10.1007/s11356-016-8089-8