

Curriculum vitae

LAURIANO Eugenia, Rita born in April 1th, 1965; received a degree in Biological Sciences in 1989, at the University of Messina with a grade of 110/110, defending an experimental thesis entitled: Effects of chronic exposure to the pesticide Endosulfan in the epidermis and gills of Catfish *Heteropneustes fossilis* . After graduation she continued the research, part of the national project “ Structure and functional correlations among organs and systems in relation also to environmental factors “ .

In 1991 , she was named Technician Officer to the Faculty of Science MM.FF.NN. of the University of Messina.

In June 1992, she attended a course in microscopy, Photo Macroscopy and Laser Scanning Microscopy at High Institute of Health, in Rome

From 2002 to present she is Researcher/Assistant professor in the Department of Chemical, Biological, Pharmaceutical and Environmental Sciences of the Messina University. She teaches to the student of the Degree Courses: in Biological Sciences, in Marine Biology and in Gastronomic Sciences .

From the academic year 2008/09 was a member of the doctoral program:

TOURISM, TERRITORY AND ENVIRONMENT - Cycle: XXIV

From the academic year 2010/11 was a member of the doctoral program :

FOOD AND WINE SCIENCES Cycle: XXV

From the academic year 2018/19 was a member of the doctoral program:

APPLIED BIOLOGY AND EXPERIMENTAL MEDICINE Cycle: XXXIV

Since the academic year 2006/07 she is member of didactic committee of the Bachelor's Degree in Biological Sciences.

RESEARCH TOPICS: Morphological and immunohistochemical studies of the integument and gill epithelia in teleosts and amphibians in normal condition and exposed to stressful conditions.

Studies of the diffuse neuroendocrine system in epithelia of low Vertebrates and Invertebrates.

Experimental studies on the protective activity of plant-derived extracts on the rat skin.

Studies of the immune system of teleosts and distribution of neurotransmitters in the gills and air breathing organs in fishes are now the specific research interests.

In the last decade her attention was focused to O₂ reception and neurotransmission in fishes with particular regard to the characterization of the O₂ sensors , the cardiovascular system, olfactory neurons and integument in primitive Actinopterygians and Teleosts including Cyclostomes. Structural, molecular and immunohistochemical studies are also in progress regarding the localization and the pacemaker cells and their channel proteins in the heart of the teleost *Gadus morhua*.

Her scientific production is documented by numerous articles, published in national and international journals and communications at national and international Congresses.

INTERNATIONAL COLLABORATIONS:

Prof. Jorge M.O. Fernandes, University of Nordland (Norway)

Prof Leszek Satora Rzeszów, University of Poland

Prof Iosè M. Icardo, University of Cantabria (Santander Spain)

Prof. Krystyna Zuwała, Jagiellonian University (Kraków, Poland)

Professoressa Anita Gopesh, University of Allahabad (India)

Prof. Kengo Funakoshi, University of Yokohama (Japan)

Prof. Douglas S. Fudge, Chapman University (Orange , California)

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