

Alessandra Roncarati - *Curriculum vitae*

Alessandra Roncarati is Associate Professor of Small Animal Production at the University of Camerino (UNICAM), School of Biosciences and Veterinary Medicine, where she was the first Deputy Director in 2014-2015. She teaches Zooculture and Techniques and Management of Animal Production in the degree courses of Veterinary Medicine and Animal Production Safety of UNICAM. She is part of the Academic Board of the School of Specialization in "Hygiene and Control of Fishing and Aquaculture Products", instituted by UNICAM in the AY 2011/2012, and within which holds the II and III modules of the Course "Rearing techniques of aquatic organisms". She also teaches the course of Shellfish Production in the II level Master Degree in "Management of Coastal Areas and Aquatic Resources" of UNICAM in San Benedetto del Tronto.

She is member of the Scientific Association of Animal Production (ASPA) in which she was member of the Working Group on "Aquaculture" and is currently involved in the Working Group on "Use of alternative sources of protein in animal feeding". Within this committee, she has been able to essay insect meals as partial replacement of fishmeal for feeding common catfish fingerlings.

She is member of the Italian Society for Research in Aquaculture and Mariculture (SIRAM). She is also member of the European Aquaculture Society (EAS) which was on the scientific Board through 2004-2006.

She is involved in aquaculture field and research is aimed at improving the rearing techniques of aquatic organisms, fish and shellfish, in order to get the best performance in terms of quality of the final product or to analyze the chemical composition of edible fraction in that species potentially interesting for a possible inclusion in the circuit of aquaculture.

The most recent studies concern:

- The effects of the rearing technique of oysters (*C. gigas* and *O. edulis*) (SFOP Project, FAR Fund) in the middle Adriatic Sea; these studies have allowed to become part of the international research group "Euroshell". She currently works in the study of ECOSEA Project "Development of an innovative model of sustainable management of fish stocks in the Adriatic Sea" within the Project Ecosea (Protection, improvement and integrated management of the sea environment and natural resources of crossborder), coordinated by the Marche Region.

- Studies concerning the production of oyster in "Improvement of quality traits of oysters (*Crassostrea gigas*, *Ostrea edulis*), reared in long-line plants and stored in closed circuit system (OYSTAR)" project funded by FAR Fund (2014-2015), where she is the "Principal investigator".

- The evaluation of fish welfare through the monitoring of blood parameters; thanks to the project FISR, funded by the Ministry of Education, "Innovative model of integrated management of marine fish farms for safety and product quality and the environment", studied the effects of stocking density on the blood chemistry parameters of seabream and quality of the final product.

- The improvement of quality traits and nutritional meat of rainbow trout, sea bass and sea bream, with particular regard to the lipid fraction, by replacing the fish feed raw materials traditionally used (fish meal and fish oil) with aquatic and/or vegetable feedstuffs.

In 2010-2011, she was appointed by the Director of the School of Veterinary Medical Sciences - UNICAM, coordinator of the sector of "Animal Production" in the Committee set up by the School to prepare the visit of the evaluation commission EAEVE (European Association of Establishment for Veterinary Education) for accreditation of the European Master of Science in Veterinary Medicine LM-MV 42. A. Roncarati was encharged to write Chapter V of SER (Self Evaluation Report) and organize "Tirocinio" in Animal Production, helping to get the full approval of the School by the ECOVE.