

CURRICULUM VITAE

PROF.

MARINA PAOLUCCI



Name: MARINA

Surname: PAOLUCCI

Full Professor of Comparative Anatomy and Cytology (BIO / 06) competition sector 05 / B2

"Comparative Anatomy and Cytology", Macrosector 05 / B "Animal Biology and Anthropology".

ACADEMIC CAREER

2014-present Full Professor for the SSD sector BIO / 06 Comparative Anatomy and Cytology at the Department of Science and Technology of the University of Sannio.

2011-2014 Full Professor for the SSD BIO / 06 Comparative Anatomy and Cytology at the Department of Biological, Geological and Environmental Sciences of the University of Sannio.

2010 Winner of the competition for Full Professor for the SSD BIO / 06 Comparative Anatomy and Cytology.

1998-2011 Associate Professor for the SSD BIO / 06 Comparative Anatomy and Cytology at the Faculty of Sciences MM.FF.NN. of the University of Sannio.

1997 Winner of the competition for Associate Professor for the SSD BIO / 06 Comparative Anatomy and Cytology.

1991-1998 Researcher for the Scientific Disciplinary Sector BIO / 06 (formerly E02B) Comparative Anatomy and Cytology at the Department of Zoology of the University of Naples, Federico II.

1990 Winner of the Competition for Researcher for the Scientific Disciplinary Sector BIO / 06 (formerly E02B) Comparative Anatomy and Cytology.

1987 Achievement of the title of PhD in Evolutionary Biology.

1983-1987 PhD student for the 1st cycle of the Research Doctorate in Evolutionary Biology and Differentiation, at the University of Naples "Federico II".

1983 Admission to the 1st cycle courses of the Research Doctorate in Evolutionary Biology and Differentiation, at the University of Naples "Federico II".

1981-1983 - Internship at the Institute of Zoology, Laboratory of Comparative Endocrinology, University of Naples, Federico II.

1981- Degree in Biological Sciences achieved with 110/110 cum laude, at the University of Naples, Federico II.

RESEARCH AND EDUCATIONAL ACTIVITIES ABROAD

From 7/3 to 19/4/2022

"Visiting Professor" Department of Biodiversity and Experimental Biology, University of Buenos Aires, Argentina.

From 26/8 to 6/9 2021

"Teaching staff mobility" under the "Bilateral agreement - Socrates program: Higher Education (Erasmus)" at the Estonian University of Life Sciences, Institute of Veterinary Medicine and Animal Sciences, Chair of Aquaculture, Tartu, Estonia.

From 10/10 to 17/10/2019

"Teaching staff mobility" under the "Bilateral agreement - Socrates program: Higher Education (Erasmus)" at the Department of "Teaching staff mobility" under the "Bilateral agreement - Socrates

program: Higher Education (Erasmus)" at the Estonian University of Life Sciences, Institute of Veterinary Medicine and Animal Sciences, Chair of Aquaculture, Tartu, Estonia.

From 31/8 to 6/9/2019

"Teaching staff mobility" under the "Bilateral agreement - Socrates program: Higher Education (Erasmus)" at the Department of Aquaculture, Faculty of Fisheries, Çukurova University, Turkey.

From 19/7 to 3/8 2019

"External Researcher". Department of Biodiversity and Experimental Biology, University of Buenos Aires, Argentina. Project Title: Endocrine disruption in higher crustaceans, by effects of herbicides and drugs (Original title in spanish: Desorganización endocrina en crustáceos superiores, por efecto de herbicidas y fármacos). Fund source: National Agency for Scientific and Technological Promotion (Argentina) (Agencia Nacional de Promoción Científica y Tecnológica: ANPCyT). Principal investigator: Prof. Enrique Rodriguez, Department of Biodiversity and Experimental Biology, University of Buenos Aires, Argentina.

From 27/2 to 3/3 2019

"Visiting Professor" at the Department of Animal and Aquatic Sciences, Faculty of Agriculture, Chiang Mai University, Chiang Mai 50200, Thailand

From 2/2 to 22/2/2018

"Visiting Professor" at the Department of Biology, Faculty of Biotechnology, Universitas Surabaya (UBAYA),
Indonesia.

From 6/6 to 20/6/2017

"Teaching staff mobility" at the Laboratory of Animal nutrition (directed by Prof. Xu), of JiaoTong University in Shanghai, within the Erasmus Mundus Action 2, Strand I LEADER Project - 552850-EM-1-2014-1- IT-ERA MUNDUS-EMA21.

From 20/9 to 4/10/2016

"Teaching staff mobility" at the Laboratory of Animal nutrition (directed by Prof. Xu), of JiaoTong University in Shanghai, within the Erasmus Mundus Action 2, Strand I LEADER Project - 552850-EM-1-2014-1- IT-ERA MUNDUS-EMA21.

From 25/8 to 2/9/2012

"Teaching Staff Mobility" as part of the "Bilateral agreement - Socrates program: Higher Education (Erasmus)" at the Institute of Ecology, University of Innsbruck, Innsbruck, Austria.

From 15/8 to 15/9 2007

"Visiting Professor" at the School of Life & Environmental Sciences, Aquaculture and Nutrition Laboratory, directed by Dr. G M Turchini, Deakin University, Warrnambool, Australia.

From 1/7 to 30/9 2005

"Visiting Professor" at the crustacean genetics and ecology laboratory, directed by Prof. Christopher Austin, of the School of Ecology and Environment, Deakin University, Warrnambool, Australia;

From 10/9 to 17/9/2004

"Teaching Staff Mobility" as part of the "Bilateral agreement - Socrates program: Higher Education (Erasmus)" at the "Laboratoire Ecologie, Evolution, Symbiose", Université de Poitiers, Poitiers, France;

From 26/7 to 4/8/2003

"Teaching Staff Mobility" under the "Bilateral Agreement - Socrates program: Higher Education (Erasmus)" at the Institute of Applied Biotechnology, University of Kuopio, Kuopio, Finland;

From 10/12 to 17/12/2002

"Teaching Staff Mobility" under the "Bilateral Agreement - Socrates program: Higher Education (Erasmus)" at the Dept. of Medical Nutrition Novum, Karolinska Institutet, Stockholm, Sweden;

From 3/7 to 30/10/1996

"Visiting Researcher", at the Comparative Endocrinology laboratory directed by Prof. Ian P. Callard, of Boston University, Boston, Massachusetts (USA);

From 2/7 to 30/10/1995

"Visiting Researcher", at the Comparative Endocrinology laboratory directed by Prof. Ian P. Callard, of Boston University, Boston, Massachusetts (USA);

From 15/6 to 30/9/1993

"Visiting Researcher" at the "Mount Desert Island Biology Laboratory", Maine, (USA);

From 28/7/1992 to 31/8/1994

"Visiting Researcher", at the Comparative Endocrinology laboratory directed by Prof. Ian P. Callard, of Boston University, Boston, Massachusetts (USA).

ORGANIZATIONAL ACTIVITIES AND ACADEMIC MANAGEMENT ROLES

2021-present coordinator of the PhD in Science and Technology for Health and the Environment, at the Department of Science and Technology of the University of Sannio.

2019-2022 Department Delegate for the Third Social and Cultural Mission (Decree No. 131/2019 Prot. N. 0001408 of 02/12/2019)

2014-2016 President of the Joint Commission of the Department of Science and Technology.

2014-2016 Member of the Didactic Commission of the Degree Course in Biological Sciences.

2013-2016 Representative of 1st level Professors in the Academic Senate.

2012-2013 University Delegate for active training internships (TFA).

2011-2016 Coordinator of the Department of Science and Technology of the TFA (Active Training Internships), for the qualification classes A059 and A060.

2010-2013 President of the CCL in Biological Sciences.

2008-2010 Scientific director of the Library of the Department of Biological and Environmental Sciences of the University of Sannio.

2008-2013 Member designated by the Rector in the "Equal Opportunities Committee" of the University of Sannio.

2007-2010 Representative of Associate Professors at the Board of Directors of the University of Sannio.

2004- 2008 Head of the "Natural Sciences" Department of SICSI - for the University of Sannio.

SCIENTIFIC AND CONFERENCE ACTIVITIES

Prof. Marina Paolucci is the author of over 155 scientific publications. As of 5/7/2022 she is in possession of the three medians of the BIO / 06 sector per commissioner. His research takes place in both basic and applied research.

Basic research

Basic research is aimed at studying the biological mechanisms underlying the reproduction, growth and feeding behavior of aquatic animal species. The activities concerning:

- Study of the reproductive cycle and sex steroids. Genomic and non-genomic role played by estradiol through the specific receptor, in the neuroendocrine regulation of reproduction.
- Regulation of eating behavior in relation to diversified dietary treatments; characterization of digestive enzymes; determination of the calpain-calpastatin enzyme system in skeletal muscle.

Applied research

From the field of basic research, in turn, different lines of research arise that can be defined as applied research. These are aimed at studying the nutrition and growth of aquatic species of commercial interest (shrimp, sea urchin, fish) in confined conditions, both on land and in the sea. The study of polymeric matrices and bioactive molecules for the production of functional pellets is linked to the research on the feeding of species of commercial interest. The activities concerning the:

- Formulation of biopolymer matrix pellets for animal feed use. Polysaccharides obtained from renewable sources are used for the production of pellets to be used for feeding aquatic species of commercial interest.
- Use of biopolymer matrices with additives (edible coatings) for the preservation of products of animal origin, for extending the shelf-life of products of animal origin.
- Use of natural bioactive molecules for the production of functionalized pellets for animal feed, and of functionalized coatings and films for extending the shelf life. Studies on the effect on growth and health performances.

Prof. Marina Paolucci actively participates in the major national and international conferences in the sector.

EDITORIAL ACTIVITY AND SCIENTIFIC REVIEWER

- Section Editor for the "International Journal of Aquatic Biology (IJAB)", an open access, peer-reviewed academic journal published by the Iranian Society of Ichthyology in collaboration with the Staff of Fisheries Department of the University of Tehran (ISSN: 2322-5270 (Online) and 2383-0956 (Print)).
- Section editor of the journal "Animals" (ISSN 2076-2615), section "aquatic animals", peer-reviewed, open access published by MDPI and dedicated to research on animals, including zoology and veterinary medicine.
- Member of the Editorial Board of the international journal "Freshwater Crayfish", published by the International Association of Astacology (ISSN 2076-4324-print; ISSN 2076-4332-on-line). Chief editor of the section of "FISHES", peer-reviewed, open-access, MDPI (Multidisciplinary Digital Publishing Institute), (ISSN 2410-3888).

Prof. Marina Paolucci is a regular reviewer for numerous international journals in the Biology sector such as: General and Comparative Endocrinology, PlosOne, International Journal of Tropical Biology, Comptes Rendus Biologies, Crustaceana, Freshwater Crayfish, International Journal of Zoology, Aquaculture, Aquaculture Nutrition, Aquaculture research, Aquaculture International, Turkish Journal of Fisheries and Aquatic sciences, The African Journal of Biotechnology, Central European Journal of Biology, Boreal Environment Research, Journal of Agricultural Science and Technology, Fish and Shellfish Immunology, Aquaculture Reviews, Animals MDPI, Fishes MDPI, .

ACTIVITIES within the PhD (Research Doctorate)

- Since 2021 she is the coordinator of the Research Doctorate in Science and Technology for Health and the Environment, accredited in February 2014, at the Department of Science and Technology of the University of Sannio.
- Since 2013 she has been a member of the Board of Professors of the Research Doctorate in Science and Technology for Health and the Environment, accredited in February 2014, at the Department of Science and Technology of the University of Sannio.
- 2010-2013 Cotutor of the PhD thesis: "Seasonal study on hormonal, microscopic and macroscopic changes in gonads of the narrow clawed crayfish *Astacus leptodactylus* in Aras Dam Reservoir, Iran", edited by Dr. SM Mirheydari, Islamic Azad University, Theran , Iran.
- From 1999 to 2012 she was a member of the Board of Professors of the Research Doctorate in Earth and Life Sciences, at the Faculty of Sciences MM FF NN of the University of Sannio.

COORDINATION OF RESEARCH PROJECTS

2021-2022 Scientific Technical Manager of the Innovation Project for the recovery of waste from the agri-food chain: InnoCastagna: resolution no. 372020 of 04.12.2020 of the Board of Directors of the LAG ATS AISL Irpinia Sannio - PSR Campania 2014-2020 MEASURE 19 - Participatory Local Development LEADER MEASURE 16 - Submeasure 16.1 - Intervention 16.1.1 Action 2: Support for Operational Innovation Projects (POI).

2019-2022 Scientific Responsible U.O. for the implementation of the innovation, development and sustainability project in the fisheries and aquaculture sector for the Campania Region (measure 1.44 EMFF CAMPANIA 2014-2020).

2017-2022 Scientific Responsible U.O. within the European Maritime and Fisheries Fund (EMFF) project No 8-10 / 98-5 "Environmental and resource-efficient solutions for crayfish feeding in order to ensure the effectiveness of crayfish farming and increase production".

2011-2013 Scientific manager in the context of the Pilot Actions for the breeding of sea urchins, for the purpose of developing innovative productions, on artificial substrates with low environmental impact. Regulation (EC) No. 1198/2006 FEP- European Fisheries Fund 2007-2013 MEASURE 3.5 "Pilot Projects".

2007-2009 Scientific Responsible U.O. of the three-year project "Omega-3-fatty acids, appetite and growth in farmed fish" in collaboration with Deakin University, Victoria, Australia, funded by the Australian Government (ARC DISCOVERY-PROJECT GRANT 2007; Grant ID number DPO772271).

2005-2007 Scientific Manager Three-year project within the Interregional Programs "Development Services Activities in Support of Aquaculture in Sicily" funded by the Sicilian Region, Agriculture and Forestry Department, for the sub-projects:

- Continuation of the experimental-demonstrative test on the yabby and the activity of the pilot center;
- Genetic improvement by selection of the yabby (*Cherax* spp);
- Activation of the experimental protocol demonstrating the breeding of sole (*Solea* spp).

2005-2006 Scientific Responsible Annual research project, entitled: "Aquaculture system of native shrimp", funded by the Chamber of Commerce of Benevento.

2003-2004 Annual project for the preparation of a *Cherax* freshwater shrimp farm, entitled: "regional pilot center for aquaculture and intensive farming of Yabby (*Cherax destructor*)", financed by the Sicilian Region, Agriculture and Forestry Department.

2002-2012 Scientific Responsible for the Regional Orientation Project (POR) Campania Region 2000-2006, Measure 4.23, entitled: "Project for the construction of a pilot laboratory for the experimentation and dissemination of innovative technologies for newly introduced species of commercial interest in the field of breeding", financed by the Campania Region.

2002-2003 Scientific Responsible Annual research project: "Reproductive biology of the *Austropotamobius pallipes* shrimp", funded by the Benevento Chamber of Commerce.

2001-2002 Scientific Responsible U.O. Annual research project: "Project for the creation of an integrated system of marine and freshwater aquaculture", funded by the Campania Region (Regional Law 31.12.94, n. 41).

2001-2002 Scientific Responsible Annual research project: "Monitoring of animal species in the inland waters of the Campania Region", funded by the Campania Region (Regional Law 4/83).

2000-2003 Scientific Responsible Three-year research project: "study of the reproductive biology of the *Austropotamobius pallipes* shrimp, aimed at commercial exploitation", financed by the Campania region (L.R. 42/82).

2000-2002 National Coordinator Biennial research project of national interest (PRIN), entitled: "The progesterone receptor, a case of evolutionary convergence?".

PUBLICATIONS (last 10 years)

Imperatore, R.; Orso, G.; Facchiano, S.; Scarano, P.P.; Hoseinifar, S.H.; Ashouri, G.; Guarino, C.; Paolucci, M. An-ti-inflammatory and immunostimulant effect of different timing-related administration of dietary polyphenols on intestinal inflammation in zebrafish, *Danio rerio*. *Aquaculture* 2023, 563, 738878.

Orso, G.; Imperatore, R.; Coccia, E.; Ashouri, G.; Paolucci, M. Lamiaceae as Feed Additives in Fish Aquaculture. *Fishes* 2022, 7, 349. <https://doi.org/10.3390/fishes7060349>

Sateriale, D.; Forgione, G.; De Cris-tofaro, G.; Facchiano, S.; Boscaino, F.; Pagliuca, C.; Colicchio, R.; Salvatore, P.; Paolucci, M.; Pagliarulo, C. To-wards Green Strategies of Food Security: Antibacterial Synergy of Essential Oils from *Thymus vulgaris* and *Syzygium aromaticum* to Inhibit *Escherichia coli* and *Staphylococcus aureus* Pathogenic Food Isolates. *Microorganisms* 2022, 10, x. <https://doi.org/10.3390/xxxxx>

Eroldoğan O.T.;Elsabagh M, Sevgili H, Glencross B, Paolucci M, Kumlu M, Kınay E,Evliyaoğlu E,Yılmaz HA,Saripek M (2022) Use of Poultry By-product and Plant Protein Sources in Diets of Redclaw Crayfish (*Cherax quadricarinatus*). *Turkish Journal of Fisheries and Aquatic Sciences* Open Access Volume 22, Issue 8August 2022

GhafariFarsani H, Yousefi M, Hoseinifar SH, Paolucci M, Lumsangkul C, Jaturasitha S, Jaturasitha S, Van Doan H (2022). Beneficial effects of Persian shallot (*Allium hirtifolium*) extract on growth performance, biochemical, immunological and antioxidant responses of rainbow trout *Oncorhynchus mykiss* fingerlings. *Aquaculture* Volume 55530 Article number 738162 DOI 10.1016/j.aquaculture.2022.738162

Safari O, Paolucci M, Motlagh HA (2022) Dietary supplementation of *Chlorella vulgaris* improved growth performance, immunity, intestinal microbiota and stress resistance of juvenile narrow clawed crayfish, *Pontastacus leptodactylus* Eschscholtz, 1823. *Aquaculture* Volume 55430 Article number 738138 DOI 10.1016/j.aquaculture.2022.738138

Darvishi M, Safari R, Hoseinifar SH, Shabani A,Dadar M, Jarayedi Z, Paolucci M (2022). Sublethal doses of diazinon affected reproductive, immune, and oxidative status in female zebrafish (*Danio rerio*). *Aquaculture Reports* Open Access Volume 22 Article number 100944 DOI 10.1016/j.aqrep.2021.100944

Taheri Mirghaed, A., Hoseini, S.M., Aydın, B., ...Hoseinifar, S.H., Van Doan, H. Effects of anaesthesia with 1,8-cineole on haematological and plasma stress responses in Caspian trout, *Salmo caspius*, subadults *Aquaculture Research*, 2022, 53(3), pp. 893–900

Hoseini, S.M., Sinha, R., Fazel, A., ...Hoseinifar, S.H., Van Doan, H. Histopathological damage and stress- and immune-related genes' expression in the intestine of common carp, *Cyprinus carpio* exposed to copper and polyvinyl chloride microparticle *Journal of Experimental Zoology Part A: Ecological and Integrative Physiology*, 2022, 337(2), pp. 181–190

- Evliyaoğlu, E., Kilercioğlu, S., Yılmaz, H.A., ...Demirkale, İ., Eroldoğan, O.T. Iron supplementation in plant-based aquafeed: Effects on growth performance, tissue composition, iron-related serum parameters and gene expression in rainbow trout (*Oncorhynchus mykiss*). *Aquaculture*, 2022, 550, 737884
- Ahmadi A, Bagheri D, Hoseinifar SH, Morshedi V, Paolucci M (2022). Beneficial role of polyphenols as feed additives on growth performances, immune response and antioxidant status of Lates Calcarifer (Bloch, 1790) juveniles. *Aquaculture*, 737955. DOI: 10.1016/j.aquaculture.2022.737955
- Van Doan, H., Lumsangkul, C., Sringarm, K., ...Jaturasitha, S., Paolucci, M. (2022) Impacts of Amla (*Phyllanthus emblica*) fruit extract on growth, skin mucosal and serum immunities, and disease resistance of Nile tilapia (*Oreochromis niloticus*) raised under biofloc system. *Aquaculture Reports*, 2022, 22, 100953
- Hoseini, S.M., Paolucci, M., Arghideh, M., ...Hoseinifar, S.H., Van Doan, H. Effects of dietary glycine administration on biochemical responses to ammonia toxicity in common carp, *Cyprinus carpio*. *Aquaculture Research*, 2022
- Di Meo MC, De Cristofaro GA, Imperatore R, Rocco MP, Giaquinto D, Palladino A, Zotti T, Vito P, Paolucci M, Varricchio E (2022). Microwave-Assisted Extraction of Olive Leaf from Five Italian Cultivars: Effects of Harvest-Time and Extraction Conditions on Phenolic Compounds and In Vitro Antioxidant Properties. *ACS Food Science and Technology* Volume 2, Issue 1, Pages 31 – 4021 DOI 10.1021/acsfoodscitech.1c00227
- Esposito, T., Paolucci, M., Sansone, F., ...Pacifico, S., Volpe, M.G. (2021). Exploitation and valorization of agro-food wastes from grape harvesting: Production, characterization of Mae-extracts from *Vitis Vinifera* leaves and stabilization in microparticulate powder form. *Applied Sciences* (Switzerland), 11(13), 5827
- Ahmadifar, E., Pourmohammadi Fallah, H., Yousefi, M., Dawood, M. A. O., Hoseinifar, S. H., Adineh, H., Yılmaz S, Paolucci M, Doan, H. V. (2021). The Gene Regulatory Roles of Herbal Extracts on the Growth, Immune System, and Reproduction of Fish. *Animals*, 11(8), 2167. doi:10.3390/ani11082167
- Safari O, Sarkheil M, Shahsavani D, Paolucci M (2021) Effects of Single or Combined Administration of Dietary Synbiotic and Sodium Propionate on Humoral Immunity and Oxidative Defense, Digestive Enzymes and Growth Performances of African Cichlid (*Labidochromis lividus*) Challenged with *Aeromonas hydrophila*. *Fishes* 2021, 6, 63. <https://doi.org/10.3390/fishes6040063>
- Orso G, Solovyev M.M. Facchiano S, Tyrikova E, Sateriale D, Kashinskaya E. Pagliarulo C. Hoseinifar H.S, Simonov E, Varricchio E, Paolucci M, Imperatore R (2021). Chestnut shell tannins: Effects on intestinal inflammation and dysbiosis in Zebrafish. *Animals Open Access* Volume 11, Issue 6. Article number 1538. DOI:10.3390/ani11061538
- Annona G, Tarallo A, Nittoli V, Varricchio E, Sordino P, D'Aniello S, Paolucci M (2021) Short-term exposure to the simple polyphenolic compound gallic acid induces neuronal hyperactivity in zebrafish larvae. *European Journal of Neuroscience* 53(5), 1367-1377.
- Paolucci M, Volpe M.G. (2021). The effect of novel packaging technology on food safety and quality *Foods Open Access* Volume 10, Issue 2. Article number 269. DOI 10.3390/foods10020269

Yousefi, M., Abtahi, B., Adineh, H., Hoseinifar S.H, Taheri Mirghaed A, Paolucci, M., Van Doan, H. (2021). Effects of dietary arginine supplementation on cytokine- and antioxidant-related gene expressions in common carp (*Cyprinus carpio*) fingerling during ammonia toxicity. *Aquaculture Research*, 52, Issue 6, 2751 – 2758.

Tippayadara N, Dawood MAO, Krutmuang P, Hoseinifar SH, Van Doan H, and Paolucci (2021) Replacement of fish meal by black soldier fly (*Hermetia illucens*) larvae meal: Effects on growth, haematology, and skin mucus immunity of Nile tilapia, *Oreochromis niloticus*. *Animals*, 11(1), pp. 1–19, 193

Safari, O., Paolucci, M., Ahmadniaye Motlagh, H. (2021) Effect of dietary encapsulated organic salts (Na-acetate, Na-butyrate, Na-lactate and Na-propionate) on growth performance, haemolymph, antioxidant and digestive enzyme activities and gut microbiota of juvenile narrow clawed crayfish, *Astacus leptodactylus leptodactylus* Eschscholtz, 1823. *Aquaculture Nutrition*, 27(1), pp. 91–104

Ghafariarsani, H., Hoseinifar, S.H., Talebi, M., ...Rufchaei, R., Paolucci, M. (2021) Combined and singular effects of ethanolic extract of persian shallot (*Allium hirtifolium* boiss) and synbiotic biomin® IMBO on growth performance, serum-and mucus-immune parameters and antioxidant defense in zebrafish (*Danio rerio*). *Animals*, 2021, 11(10), 2995

Rampone S., Pagliarulo C, Marena C, Orsillo A, Iannaccone M, Trionfo C, Sateriale D, Paolucci M (2021) In silico analysis of the antimicrobial activity of phytochemicals: towards a technological breakthrough. *Computer Methods and Programs in Biomedicine*. 200, 105820

Sateriale, D, Imperatore, R, Colicchio, R. Pagliuca, C, Varricchio, E, Volpe, M.G, Salvatore, P, Paolucci, M., Pagliarulo, C. (2020) Phytocompounds vs. Dental Plaque Bacteria: In vitro Effects of Myrtle and Pomegranate Polyphenolic Extracts Against Single-Species and Multispecies Oral Biofilms. *Frontiers in Microbiology*, 11, 592265

Ahmadniaye Motlagh, H., Paolucci, M., Lashkarizadeh Bami, M., Safari, O. (2020) Sexual parameters, digestive enzyme activities, and growth performance of guppy (*Poecilia reticulata*) fed garlic (*Allium sativum*) extract supplemented diets. *Journal of the World Aquaculture Society*, 51(5), 1087–1097

Sateriale, D, Facchiano, S, Colicchio, R, Pagliuca, C, Varricchio, E, Paolucci, M, Volpe, M.G, Salvatore, P, Pagliarulo, C (2020) In vitro Synergy of Polyphenolic Extracts From Honey, Myrtle and Pomegranate Against Oral Pathogens, *S. mutans* and *R. dentocariosa*. *Frontiers in Microbiology*, 11, 1465

Imperatore, R, Tunisi, L, Mavaro, I, D'angelo, L., Attanasio, C, Safari, O., Motlagh, H.A, De Girolamo, P, Cristino, L, Varricchio, E, Paolucci, M.(2020) Immunohistochemical analysis of intestinal and central nervous system morphology in an obese animal model (*Danio rerio*) treated with 3,5-t2: A possible farm management practice? *Animals*, 10, 1131.

Paolucci M, Di Stasio M, Sorrentino A, La Cara F, Volpe MG (2020). Active Edible Polysaccharide-Based Coating for Preservation of Fresh Figs (*Ficus carica* L.). *Foods* 9 (12), 1793

Van Doan, H., Hoseinifar, S. H., Hung, T. Q., Lumsangkul, C., Jaturasitha, S., Ehab El-Haroun, & Paolucci, M. (2020). Dietary inclusion of chestnut (*Castanea sativa*) polyphenols to Nile tilapia reared in biofloc technology: Impacts on growth, immunity, and disease resistance against *Streptococcus agalactiae*. *Fish & Shellfish Immunology*. 105, 319-326

Safari, R., Hoseinifar, S. H., Imanpour, M. R., Mazandarani, M., Sanchouli, H., Volpe, M. G., & Paolucci, M. (2020). Effects of dietary polyphenols on mucosal and humoral immune responses, antioxidant defense and growth gene expression in beluga sturgeon (*Huso huso*). *Aquaculture*, 528, 735494

Volpe, M.G., Ghia, D., Safari, O., Paolucci, M.(2020). Fast non-destructive assessment of heavy metal presence by ATR–FTIR analysis of crayfish exoskeleton. *Environmental Science and Pollution Research*, 27(17): 21021-21031. 10.1007/s11356-020-08405-z

Barone, R., de Napoli, L., Mayol, L., Paolucci, M., Volpe, M.G., D'Elia, L., Pollio, A., Guida, M., Gambino, E., Carraturo, F., Marra, R., Vinale, F, Woo, S.L., Lorito, M (2020). Autotrophic and heterotrophic growth conditions modify biomolecule production in the microalga *Galdieria sulphuraria* (cyanidiphyceae, rhodophyta). *Marine Drugs* 18 (3), 169. 10.3390/md18030169

Paolucci, M., Coccia, E., Imperatore, R., Varricchio, E (2020). A cross-talk between leptin and 17 β -estradiol in vitellogenin synthesis in rainbow trout *Oncorhynchus mykiss* liver *Fish Physiology and Biochemistry*, 46 (1):331-344.

Hoseinifar H, Jahazi A, Nikdehghan N, Van Doan H, Volpe MG, Paolucci M (2020) Effects of dietary polyphenols from agricultural by-products on mucosal and humoral immune and antioxidant responses of convict cichlid (*Amatitlania nigrofasciata*). *Aquaculture*, 517: 734709

Jahazi, A., Hoseinifar, S.H., Jafari, V., Hajimoradloo, A., Van Doan, H., Paolucci, M., (2020). Dietary supplementation of polyphenols positively affects the innate immune response, oxidative status, and growth performance of common carp, *Cyprinus carpio* L., *Aquaculture* 517:734709

Di Cosmo A, Paolucci M, Maselli V (2020) Hormones May Shape Sexual Behavior in Cephalopods *Advances in Invertebrate (Neuro)Endocrinology*, Volume 1, pp 285-309.

Motlagh AH, Sarkheil M, Safari O, Paolucci M (2020). Supplementation of dietary apple cider vinegar as an organic acidifier on the growth performance, digestive enzymes and mucosal immunity of green terror (*Andinoacara rivulatus*). *Aquaculture Research*, 51 (1) 197-205. 10.1111/are.14364

Voccola, S, Polvere, I., Madera, J.R., Paolucci, M., Varricchio, E., Telesio, G., Porcaro, P., Vito, P. Stilo, R, Zotti, T.(2020) CARD14/CARMA2sh and TANK differentially regulate poly(I:C)–induced inflammatory reaction in keratinocytes. *Journal of Cellular Physiology*. 235(3), pp. 1895-1902.

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The undersigned Marina Paolucci declares to be aware of the information on the use of personal data, pursuant to art. 13 Legislative Decree 30 June 2003 n. 196, and releases pursuant to art. 23 of the same Legislative Decree express and free consent to the processing of personal data.

The undersigned Marina Paolucci, aware of the provisions of art. 75 and 76 of the Presidential Decree 445/2000 on the criminal liability that may be encountered in the event of false declarations, as well as on the forfeiture of any benefits resulting from the provision issued on the basis of untrue declarations, pursuant to and for the purposes of Articles 46 and 47 of the same Presidential Decree 445/2000, declares the truthfulness of what is written in this curriculum vitae;