

Curriculum
Marina Paolucci
Full Professor of Comparative Anatomy and Cytology.



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Place and date of birth: Varese (Italy), 29-12-1957

ACADEMIC CAREER

2011 – Full Professor in Citology and Comparative Anatomy at the Department of Science and Technologies, University of Sannio, Italy.
1998-2010 Associate Professor in Citology and Comparative Anatomy at the Faculty of Science, University of Sannio, Italy.
1991-1998 Researcher in Cytology and Comparative Anatomy at the Department of Zoology, University of Naples, Federico II, Italy.
1987 PhD in Evolutionary Biology and Cell Differentiation.
1983-1987 PhD Student at the University of Naples, Federico II, Italy.
1981-1982 Training activity at the Department of Zoology, Laboratory of Comparative Endocrinology, directed by Prof. V. Botte, University of Naples, Federico II, Italy.
1981- Degree in Biology (summa cum laude) at the University of Naples, Federico II, Italy.

STAGES ABROAD

2019 (27/2 – 3/3) “Visiting Professor” at the Department of Animal and Aquatic Sciences, Faculty of Agriculture, Chiang Mai University, Chiang Mai 50200, Thailand.
2018 (2/2 – 22/2) “Visiting Professor” at the Department of Biology, Faculty of Biotechnology, Universitas Surabaya (UBAYA), Indonesia.

2017 (6/6 – 20/6) “Teaching staff mobility” at the Laboratory of Animal nutrition (directed by Prof. Xu), of the JiaoTong University of Shanghai, within the project Erasmus Mundus Action 2, Strand I LEADER Project – 552850-EM-1-2014-1-IT-ERA MUNDUS-EMA21.

2016 (20/9 – 4/19) “Teaching staff mobility” at the Laboratory of Animal nutrition (directed by Prof. Xu), of the JiaoTong University of Shanghai, within the project Erasmus Mundus Action 2, Strand I LEADER Project – 552850-EM-1-2014-1-IT-ERA MUNDUS-EMA21.

2012 (25/8-2/9) “Teaching staff mobility” at the Institute of Ecology, Laboratory of Ecology (directed by Prof. Leopold Fureder), University of Innsbruck, Austria, within the Socrates Programme: Higher Education (Erasmus).

2007 (15/8-15/9) Visiting Professor at the School of Life & Environmental Sciences, Laboratory of Fish Nutrition (directed by Dr. GM Turchini), Deakin University, Warrnambool, Australia.

2005 (1/7-39/9) Visiting Professor at the Laboratory of Crustaceans Genetic and Ecology, School of Ecology and Environment, Deakin University, Warrnambool, Australia.

2004 (10/9-17/9) “Teaching Staff Mobility” at the “Laboratoire Ecologie, Evolution, Symbiose” (directed by Prof. C. Souty-Grosset), Université de Poitiers, Poitiers, France, within the Socrates Programme: Higher Education (Erasmus).

2003 (26/7-4/8) “Teaching Staff Mobility” at the Institute of Applied Biotechnology, Crayfish Innovation Center (directed by Dr. J Jussila), University of Kuopio, Kuopio, Finland, within the Socrates Program: Higher Education (Erasmus).

2002 (10/12-17/12) “Teaching Staff Mobility” at the Department of Medical Nutrition Novum, (directed by Prof. J-A Gustafsson), Karolinska Institutet, Stoccolm, Swiden, within the Socrates Program: Higher Education (Erasmus).

1996 (3/7-30/10) Visiting Researcher at the Department of Biology, Laboratory of Comparative Endocrinology, directed by Prof. Ian P. Callard, Boston University, Boston, Massachusetts, USA.

1995 (2/7-30/10) Visiting Researcher at the Department of Biology, Laboratory of Comparative Endocrinology, directed by Prof. Ian P. Callard, Boston University, Boston, Massachusetts, USA.

1993 (15/6-30/9) Visiting Researcher at the “Mount Desert Island Biology Laboratory”, Maine, (USA).

1992 (28/7)-1994 (31/8) Visiting Researcher at the Department of Biology, Laboratory of Comparative Endocrinology, directed by Prof. Ian P. Callard, Boston University, Boston, Massachusetts, USA.

ACADEMIC ORGANIZATIONAL AND MANAGEMENT ROLES

2014- 2016 President of the Joint Commission Teachers-Students of the Department of Science and Technologies.

2014- 2016 Component of the Didactic Commission in the Biology Degree course.

2013-2016 Representative of Full Professors at the Academic Senate of the University of Sannio

2012-2013 Delegate of the University of Sannio for the Training Course to become a Teacher of Middle and High School (TFA-Active Formative Training).

2011-2016 Referent of the Department of Science and Technologies, for the Training Course to become a Teacher of Middle and High school (TFA-Active Formative Training).

2010-2013 President of the Biology Degree Course.

2008-2010 Responsible for the Department of Biology and Environment Library, University of Sannio.

2008- 2013 Appointed Member of the “Equal Opportunities Committee” at the University of Sannio.

2007-2010 Representative of the Associate Professors on the Administrative Board of the University of Sannio.

2004- 2008 Responsible for the University of Sannio, of the School of Specialization to become a Teacher in Science in the Middle and High School.

OTHER SKILLS

In addition to the skills related to the profession of a university professor in the disciplinary scientific field BIO/06 (Comparative Anatomy and Cytology), the undersigned possesses a good theoretical and practical knowledge of existential counseling.

SCIENTIFIC ACTIVITY AND MEETING PARTECIPATION

Prof. Marina Paolucci is the author of over 100 scientific publications. Her research takes place both in the field of basic research and applied research.

Scope of basic research

Basic research is oriented to the study of biological mechanisms that underlie the reproduction, growth and feeding behavior of aquatic animal species. In this context the activities concern:

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

Scope of applied research

From the scope of basic research, in turn, different research lines emerge which can be defined as applied research. These are aimed at the study of the feeding and growth of aquatic species of commercial interest (shrimp, sea urchin, fish) in confined conditions, both on land and at sea.

Linked to research on the feeding of species of commercial interest is the study of polymeric matrices for the production of functional pellets. In this context the activities concern:

- Formulation of biopolymer matrix pellets for animal food uses. Polysaccharides obtained from renewable sources are used for the production of pellets to be used for the feeding of aquatic species of commercial interest.
- Use of additive biopolymer matrices (edible coating) for the conservation of products of animal origin, for the lengthening of the shelf-life of products of animal origin.
- Use of natural bioactive molecules for the production of functionalized pellets for animal feed, and of coating and film functionalized for lengthening the shelf life.

REFeree AND EDITORIAL BOARD ACTIVITIES

Member of the Editorial Board of the journal “The International Journal of Aquaculture and Fisheries Sciences”, (ISSN: 2455-8400), peer-reviewed, open access published by Peertechz Publications Inc., dedicated to research in aquatic sciences.

Member of the Editorial Board of the journal “Animals” (ISSN 2076-2615) 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 magazine “Freshwater Crayfish”, published by the International Association of Astacology (ISSN 2076-4324-print; ISSN 2076-4332-on-line).

Member of the Editorial Board of the journal “FISHES”, peer-reviewed, open-access, published by MDPI (Multidisciplinary Digital Publishing Institute), (ISSN 2410-3888).

Member of the scientific society International Astacology Association (IAA)

Prof. Marina Paolucci acts as referee for several Scientific Journals, 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.

PARTECIPATION TO PhD COMMITTEES AND COMMISSIONS

- Member of the faculty of the PhD of “Earth and Life Science”, Faculty of Science, University of Sannio, since the academic year 1999/2000.
- 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”, by Dr. S M Mirheydari, Islamic Azad University, Theran, Iran. 2010-2013.
- Member of the faculty of the PhD of “Science and Technologies for health and environment” since 2013.
- Member of the Commission for the final exam of the Active Formative Training (TFA) to become teacher of Science in the Middle and High School.
- Member of the Commission for the “state exam” to obtain the authorization to pursue the profession of Biologist and the enrolment to the Professional Register.

RESEARCH PROJECTS

2017-2022 Partners in 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” the period 2017-2022.

2013-2015 Scientific coordinator of the OU within the SENSOR Project (PON Campania)

Objective 4. Development of optical, fluorescent and bioluminescent biosensors for monitoring and quantization of pesticides in water based on the use of reporter cellular systems.

2012- ongoing Appointed as Main Scientific Advisor in the project: “Study on possibility of the determination of in vivo and in vitro digestibility of some practical feed ingredients in the diet of juvenile of freshwater crayfish *Astacus leptodactylus*”. Department of Fishery, Faculty of Natural Resources and Environment, Ferdowsi University of Mashhad, Mashhad, Iran.

2012-2015 Participant to the Project PONa3_00104 GE.M.ME. – Integrated infrastructures for hydro resources and hydrogeological basins: Management and Monitoring of the Mediterranean Area”.

2011-2013 Coordinator with the Pilot Actions in favor of sea urchin farming, aiming to develop innovative productions, on artificial substrates with low environmental impact. Regulation (CE) N. 1198/2006 FEP- European Fund for Fishery 2007-2013 MISURA 3.5 “Pilot Projects”.

2011-2012 Co-responsible of the “Preparation of the Management Plan Fish” of the Benevento Province, supported by the Benevento Province Agency.

2010-2012 Scientific co-coordinator of the Pilot Project: “recovery and requalification of water bodies in the present not suitable for fish farming. Sabato river from the channel of Barba to the Calore river” (supported by the Campania Regional Agency, measure POR 2000-2006).

2007-2009 Scientific coordinator of the Local Unit of the University of Sannio for the research project: “Omega-3-fatty acids, appetite and growth in farmed fish” in collaboration with Deakin University, Victoria, Australia, supported by the Australian Government (ARC DISCOVERY-PROJECT GRANT 2007; Grant ID number DPO772271).

2005-2007 Scientific Coordinator of the following three Research Projects within the Interregional Program “Activities to improve the development of Aquaculture in Sicily” supported by the Siciliana Regional Agency, Department of Agriculture and Forestry:

- Small scale experimentation of Yabby (*Cherax* spp) farming;
- Genetic improvement of Yabby (*Cherax* spp);
- Small scale experimentation of the sole (*Solea* spp) farming.

2005 Scientific Coordinator of the Research Project entitled: “Farming of the autochthonous freshwater crayfish”, supported by the Chamber of Commerce Benevento.

2003 Scientific Coordinator of the Project entitled: “Realization of a Pilot Laboratory for intensive farming of the freshwater crayfish *Cherax destructor*“, supported by the Siciliana Regional Agency, Department of Agriculture and Forestry.

2002-2004 Participant in the Research Project of national interest (PRIN) entitled: “ Neurosteroids in the nervous system of cephalopods: identification and functional meaning of oxidation and nitrosation”, funded by the Italian Ministry of Instruction, University and Research (MIUR).

2002-2012 Scientific Coordinator of the Project entitled: “Realization of a Pilot Laboratory for experimentation and the divulgation of innovative technologies to be applied to aquatic species of commercial interest”, supported by the Campania Regional Agency, Project of Regional Guidance (P.O.R.) Campania Regional Agency 2000-2006, Measure 4.23.

2002 Scientific Coordinator of the Research Project: “Study of the reproductive biology of the autochthonous freshwater crayfish *Austropotamobius pallipes*”, funded by the Chamber of Commerce of Benevento.

2001 Scientific Coordinator of the Research Unit of the Research Project: “Realization of an integrated marine and freshwater aquaculture system”, financed by the Campania Regional Agency (L.R. 31.12.94, n. 41).

2001 Scientific Coordinator of the Research Project: “Monitoring of aquatic species in the Campania region”, funded by the Campania Regional Agency (L.R.4/83).

2000-2003 Scientific Coordinator of the Research Project: “Study of the reproductive biology of the autochthonous freshwater crayfish *Austropotamobius pallipes*”, funded by the Campania Regional Agency (L.R. 42/82).

2000-2002 Scientific Coordinator of the Research Project of national interest (PRIN) entitled: “Progesterone receptor, a case for evolutionary convergence?”, funded by the Italian Ministry of Instruction, University and Research (MIUR).

TEACHING ACTIVITY

Prof. Marina Paolucci teaches the following courses:

Cytology and Histology (9 CFU) at the Bachelor Degree in Biology;

Animal Resources (6 CFU) at the Biology Degree, curriculum in Food resources and nutrition

OTHER ACTIVITIES

Prof. Marina Paolucci is Associated with the Institute of Nutrition (ISA) of the National Research Council (CNR).

PUBLICATIONS (last 10 years)

- Imperatore R, D'Angelo L, De Girolamo P, Cristino L, Paolucci M. (2019) Identification of Orexin and Endocannabinoid Receptors in Adult Zebrafish Using Immunoperoxidase and Immunofluorescence Methods. *JoVE In Press*
- Coccia E, Siano F, Volpe MG, Varricchio E, Eroldogan T, Paolucci M (2019). Chestnut shell extract modulates immune parameters in the rainbow trout *Oncorhynchus mykiss*. *FISHES*, In press
- Ahmadniaye Motlagh H, Safari O, Paolucci M (2019) Effect of different levels of *Calotropis persica* seed powder on the growth parameters, immunity and gut microbiota of *Oncorhynchus mykiss*. *IJVST*, in press
- Fabbrocini A, Coccia E, D'Adamo R, Faggio C, Paolucci M. (2019) Mifepristone affects fertility and development in the sea urchin *Paracentrotus lividus*. *Mol Reprod Dev.* 1–9.
<https://doi.org/10.1002/mrd.23112>
- Varricchio E, Coccia E, Orso G, Lombardi V, Imperatore R, Vito P, Paolucci M (2019) Influence of polyphenols from olive mill wastewater on the gastrointestinal tract, alveolar macrophages and blood leukocytes of pigs. *Italian J of Animal Science*, open access. <https://doi.org/10.1080/1828051X.2018.1548911>
- Sateriale D, Scioscia E, Colicchio R, Pagliuca C, Salvatore P, Varricchio E, Grazia Volpe M, Paolucci M, Pagliarulo C. (2019) Italian acacia honey exhibits lytic effects against the crayfish pathogens *Aphanomyces astaci* and *Fusarium avenaceum*. *Lett Appl Microbiol.* 68(1):64-72.
- Zupo, V., Glaviano, F., Paolucci, M., Ruocco, N., Polese, G., Di Cosmo, A., Costantini, M., Mutalipassi, M. (2019). Roe enhancement of *Paracentrotus lividus*: Nutritional effects of fresh and formulated diets. *Aquaculture Nutrition* available online
- Gatta C, De Felice E, D'Angelo L, Maruccio L, Leggieri A, Lucini C, Palladino A, Paolucci M, Scocco P, Varricchio E and de Girolamo P (2018) The Case Study of Nesfatin-1 in the Pancreas of *Tursiops truncatus*. *Frontiers in Physiology*, vol.9, art. 1845, doi: 10.3389/fphys.2018.01845
- Hoseinifar SH, Sohrabi A, Paknejad H, Jafari V, Paolucci M, Van Doan H (2018). Enrichment of common carp (*Cyprinus carpio*) fingerlings diet with *Psidium guajava*: The effects on cutaneous mucosal and serum immune parameters and immune related genes expression. *Fish Shellfish Immunol.* 86:688-694.
- Imperatore, R., Coccia, E., D'Angelo, L., Varricchio, E., De Girolamo, P., Paolucci, M. (2018). Evidence for leptin receptor immunoreactivity in the gastrointestinal tract and gastric leptin regulation in the rainbow trout (*Oncorhynchus mykiss*). *Annals of Anatomy*, 220, 70-78
- Volpe, M.G., Fabbrocini, A., Siano, F., Coccia, E., Scordella, G., Licchelli, C., De Sio, F., Paolucci, M. (2018), Gonad quality of sea urchin *Paracentrotus lividus* cultured in an offshore pilot-scale trial on the south-east Italian coast. *Aquaculture Nutrition*, 24 (5), 1444-1455
- Volpe, M.G., Costantini, S., Coccia, E., Parrillo, L., Paolucci, M. (2018). Evaluation of metabolic changes induced by polyphenols in the crayfish *Astacus leptodactylus* by metabolomics using Fourier transformed infrared spectroscopy. *Journal of Biosciences*, 43 (4), 585-596
- Imperatore, R., D'Angelo, L., Safari, O., Motlagh, H.A., Piscitelli, F., de Girolamo, P., Cristino, L., Varricchio, E., di Marzo, V., Paolucci, M. (2018). Overlapping distribution of orexin and endocannabinoid receptors and their functional interaction in the brain of adult zebrafish. *Frontiers in Neuroanatomy*, 12, Article number 62. Open Access, DOI: 10.3389/fnana.2018.00062
- Pagliarulo C, Sateriale D, Scioscia E, De Tommasi N, Colicchio R, Pagliuca C, Scaglione E, Jussila J, Makkonen J, Salvatore P, Paolucci M. (2018) Growth, Survival and Spore Formation of the Pathogenic Aquatic Oomycete *Aphanomyces astaci* and Fungus *Fusarium avenaceum* Are Inhibited by *Zanthoxylum rhoifolium* Bark Extracts *In Vitro*. *FISHES* 2018, 3(1), 12.
doi:10.3390/fishes3010012
- Safari, O., Paolucci, M. (2018) Effect of in vitro selected synbiotics (galactooligosaccharide and mannanoligosaccharide with or without *Enterococcus faecalis*) on growth performance, immune

responses and intestinal microbiota of juvenile narrow clawed crayfish, *Astacus leptodactylus* Eschscholtz, 1823. *Aquaculture Nutrition* 24 (1): 247-259.

Costantini, S., Parrillo, L., Guerriero, E., Melck, D., Colonna, G., Volpe, M.G., Paolucci, M. (2018). 1H-NMR metabolomic profiling of the crayfish *Astacus leptodactylus* subjected to polyphenol-enriched diets. *Aquaculture nutrition* 24 (1): 524-538.

Safari, O., Paolucci, M. (2017) Effects of dietary onion (*Allium cepa*) powder on growth performance, hemolymph indices and fillet organoleptic properties of juvenile narrow-clawed crayfish, *Astacus leptodactylus* Eschscholtz, 1823. *Aquaculture nutrition* 23 (6): 1418-1428.

Safari, O., Paolucci, M. (2017) Modulation of growth performance, immunity, and disease resistance in narrow-clawed crayfish, *Astacus leptodactylus* Eschscholtz, 1823) upon synbiotic feeding. *Aquaculture*, 479: 333-341.

Safari, O., Paolucci, M., Motlagh, H.A. (2017). Effects of synbiotics on immunity and disease resistance of narrow-clawed crayfish, *Astacus leptodactylus* Eschscholtz, 1823). *Fish and Shellfish Immunology*, 64: 392-400.

Parrillo, L., Coccia, E., Volpe, M.G., Siano, F., Pagliarulo, C., Scioscia, E., Varricchio, E., Safari, O., Eroldogan, T., Paolucci, M. (2017). Olive mill wastewater-enriched diet positively affects growth, oxidative and immune status and intestinal microbiota in the crayfish, *Astacus leptodactylus* 473: 161-168.

Siano, F., Sorrentino, G., Paolucci, M., Montano, L., Volpe, M.G (2017) Rapid evaluation of free fatty acids concentration in edible hemp food chain using ATR-FTIR spectroscopy (Conference Paper). 3rd IMEKOFOODS Conference: Metrology Promoting Harmonization and Standardization in Food and Nutrition 2017, Page 230

Boscaino, F., Coccia, E., Paolucci, M., Siano, F., Sorrentino, G., Di Stasio, M., Moccia, S., Volpe, M.G. (2017). Volatile molecules and phenolic profile of hemp edible products (Conference Paper). 3rd IMEKOFOODS Conference: Metrology Promoting Harmonization and Standardization in Food and Nutrition 2017, Page 233

Sateriale, D., Scioscia, E., Colicchio, R., Pagliuca, C., Paolucci, M., Varricchio, E., Volpe, M.G., Salvatore, P., Pagliarulo, C. (2017). Antibacterial and antifungal activity of Italian unifloral honeys extracts against different pathogenic species (Conference Paper). 3rd IMEKOFOODS Conference: Metrology Promoting Harmonization and Standardization in Food and Nutrition 2017, Pages 353-356

Sorice A., Siano, F., Capone F., Guerriero E., Picariello G., Budillon A., Ciliberto G., Paolucci M., Costantini S., Volpe MG. (2016). Potential Anticancer Effects of Polyphenols from Chestnut Shell Extracts: Modulation of Cell Growth, and Cytokinomic and Metabolomic Profiles. *Molecules*, 21, 1411.

Siano, F., Straccia, M.C., Paolucci, M.a, Fasulo, G., Boscaino, F., Volpe, M.G. (2016) Physico-chemical properties and fatty acid composition of pomegranate, cherry and pumpkin seed oils. *Journal of the Science of Food and Agriculture*, 96 (5), 1730-1735.

D'Angelo, L., Castaldo, L., de Girolamo, P., Lucini, C., Paolucci, M., Pelagalli, A., Varricchio, E., Arcamone, N. (2016) Orexins and receptor OX2R in the gastroenteric apparatus of two teleostean species: *Dicentrarchus labrax* and *Carassius auratus*. *Anatomical Record*, 299(8), 1121-1129

D'Angelo, L., Avallone, L., Cellerino, A., de Girolamo, P., Paolucci, M., Varricchio, E., Lucini, C. (2016) Neurotrophin-4 in the brain of adult *Nothobranchius furzeri*. *Annals of Anatomy* 207, 47-54

Picariello, G., De Vito, V., Ferranti, P., Paolucci, M. Volpe, M.G. (2016) Species- and cultivar-dependent traits of *Prunus avium* and *Prunus cerasus* polyphenols. *Journal of Food Composition and Analysis* 45:50-57

Servillo L, Giovane A, Casale R, Balestrieri ML, Cautela D, Paolucci M, Siano F, Volpe MG, Castaldo D (2016) Betaines and related ammonium compounds in chestnut (*Castanea sativa* Mill.) Food Chemistry, 196:1301-1309

Siano, F., Addeo, F., Volpe, M.G., Paolucci, M., Picariello, G. (2016) Oxidative Stability of Pomegranate (*Punica granatum* L.) Seed Oil to Simulated Gastric Conditions and Thermal Stress. J. Agric. Food Chem. 64: 8369–8378.

Coccia, E., Parrillo, L., Viola, C., Russo, F., Polese, M.C., Varricchio, E., Paolucci, M. (2016). Use of polyphenols extracted from agricultural waste by-product as dietary supplement in aquaculture pp. 138-142. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041342078&partnerID=40&md5=741ec79a45b711dfb89ecb07fd21b614>

Polese, M.C., Russo, F., Viola, C., Coccia, E., Paolucci, M., Varricchio, E. (2016). Use of polyphenols extracted by olive mill wastewater as dietary supplements in pig: Effects on meat storage and quality pp. 143-147. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041311935&partnerID=40&md5=b8df777f5b8e7b16b06f3839d48f2c11>

Russo, F., Lombardi, V., Viola, C., Polese, M.C., Coccia, E., Paolucci, M., Varricchio, E. (2016). Use of polyphenols extracted by olive mill wastewater as dietary supplements in pig: Effects on gut associated lymphoid tissue, blood leukocytes and alveolar macrophages pp. 148-152. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041290299&partnerID=40&md5=1eb3a4bf8723a4ccafeeccd096e49a85>

Viola, C., Polese, M.C., Russo, F., Coccia, E., Cimino, F., Paolucci, M., Varricchio, E. (2016) Modification in tocopherol and fatty acid content in two different marchigiana cattle cuts of meat after frying in extra virgin olive oil pp. 325-329. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-5041351749&partnerID=40&md5=c705de92ec9f91a664d17243de5e4793>

Colucci, G., Varricchio, E., Paolucci, M., Coccia, E., Viola, C., Russo, F., Polese, M.C., Volpe, M.G. (2016) Traceability markers in Italian unifloral honeys pp. 243-247. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041294797&partnerID=40&md5=f4bd6e5369c377af61db4272db9dc1dc>

Corrado, F., Cutarelli, A., Criscuolo, D., De Roma, A., Cecere, B., Simonetti, D., Galiero, G., Coccia, E., Viola, C., Varricchio, E., Paolucci, M. (2016) Identification of fraud in trade in processed fish products by DNA analysis pp. 341-345. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85041309431&partnerID=40&md5=9b4b87e799ea0edbb217254c1520cebe>

Fabbrocini A, Volpe MG, Coccia E, D'Adamo R, Paolucci M (2015) Agar-based Biocomposites slow down Progression in the Reproductive Cycle Facilitating Synchronization of the Gonads of Reared Specimens of *Paracentrotus lividus*. Int J Aquac Fishery Sci 1(2): 035-041.

Varricchio E, Russo F, Coccia E, Mario Turchini G, Scott Francis D, Paolucci M. (2015). The orexinergic system in rainbow trout *Oncorhynchus mykiss* and its regulation by dietary lipids. Microsc Res Tech. 78(8):707-14.

Paolucci M, Fasulo G, Volpe MG (2015) Functional biocomposites based on marine polysaccharides for aquaculture applications. Marine drugs, 13 (5), pp. 2680-2693.

Mazzone P, Scudiero I, Ferravante A, Paolucci M, D'Andrea LE, Varricchio E, Telesio G, Zotti T, Reale C, Vito P and Stilo R (2015) Functional characterization of BCL10 in zebrafish (*Danio rerio*). PLoS ONE 10(4): e0122365. doi:10.1371/ journal.pone.0122365

Mazzone P, Scudiero I, Coccia E, Ferravante A, Paolucci M, D'Andrea EL, Varricchio E, Pizzulo M, Reale C, Zotti T, Vito P, Stilo R (2015) Functional characterization of a BCL10 isoform in the rainbow trout *Oncorhynchus mykiss* FEBS Open Bio 5:175-81. doi: 10.1016/j.fob.2015.01.007.

Safari O, Shahsavani D, Paolucci M, Atash MMS (2015). The effects of dietary nucleotide content on the growth response of juvenile narrow clawed crayfish, *Astacus leptodactylus* Eschscholtz, 1823 Aquacult. Res. 46 (11), 2685-2697.

Volpe MG, Di Stasio M, Paolucci M, Moccia S (2015) Polymers for Food Shelf-Life Extension. In G. Cirillo, U. Gianfranco Spizzirri, and F. Lemma (eds.), *Functional Polymers in Food Science*, (9–66), Scrivener Publishing LLC.

Volpe MG, Siano F, Paolucci M, Sacco A, Sorrentino A, Malinconico M, Varricchio E. (2015). Active edible coating effectiveness in shelf-life enhancement of trout (*Oncorhynchus mykiss*) fillets. *LWT- Food Science and Technology*, 60 (1), 615-622.

Safari O, Atash MMS, Paolucci M (2015) Effects of dietary L-carnitine level on growth performance, immune responses and stress resistance of juvenile narrow clawed crayfish, *Astacus leptodactylus* Eschscholtz, 1823. *Aquaculture* 439:20–28.

Volpe MG, Santagata G, Coccia E, Di Stasio M, Malinconico M, Paolucci M (2014) Pectin based pellets for crayfish aquaculture: structural and functional characteristics and effects on redclaw *Cherax quadricarinatus* performances. *Aquaculture nutrition*. 21 (6), 814-823.

Varricchio E, Russolillo MG, Russo F, Lombardi V, Paolucci M, Maruccio L (2014) Expression and immunohistochemical detection of Nesfatin-1 in the gastrointestinal tract of Casertana pig *Acta Histochemica*. 116:583-587.

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

The undersigned Marina Paolucci, aware of the provisions of art. 75 and 76 of the D.P.R. 445/2000 on criminal liability which may arise in the case of false declarations, as well as on the forfeiture of any benefits resulting from the provision issued on the basis of untruthful declarations, pursuant to and for the purposes of art.46 and 47 of the same DPR 445/2000, declares the veracity of what is written in this curriculum vitae.

Benevento, 14/2/2019