

# Curriculum Vitae

## PERSONAL INFORMATIONS



<b>Name</b>	Marino PREARO
<b>Title</b>	DVM
<b>Institution</b>	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta
<b>Current role</b>	Chief of Fish Diseases Laboratory
<b>Phone number</b>	+ 39 011-2686251
<b>Institutional E-mail</b>	marino.prearo@izsto.it

## ACADEMIC AND PROFESSIONAL QUALIFICATIONS/WORK EXPERIENCE

<b>Academic qualification</b>	- Degree in Veterinary Medicine
<b>Other academic qualifications</b>	- Diploma of Agricultural expert;
	- University of Turin (Italy) – Degree in Veterinary Medicine with a thesis entitled <i>"Infectious Hematopoietic Necrosis in Italy: research and observations"</i> ;
	- Annual training course entitled <i>"Health control of fishery products. Legislative, sanitary and technology aspects"</i> ; held in Genoa, Italy, 12 November 1994-18 November 1995;
	- Annual training course entitled <i>"Innovative aspects of the production and marketing of food of animal origin"</i> ; held in Gallarate (VA), Italy, 29 November 1996-22 November 1997;
	- University of Turin, Faculty of Medicine Veterinary (Italy) - Specialist in <i>"Inspection of food of animal origin"</i> ; diploma thesis entitled <i>"Plerocercosis-diphyllobothriasis: parasitological and sanitary aspects"</i> ;
	- University of Milan, Faculty of Medicine Veterinary (Italy) - Specialist in <i>"Farming, hygiene, pathology of aquatic species and control of derivative products"</i> ; diploma thesis entitled <i>"Recent acquisitions on Proliferative Kidney Disease, particularly on the epidemiological inquiry on the national territory"</i> .
<b>Professional experiences (held positions)</b>	- Scholarship as part of the EC project AIR2 CT93 1570 <i>"Studies of Proliferative Kidney Disease with Particular reference to prophylaxis and geographical distribution in Europe"</i> , at the Laboratory of Fish Pathology (Center for the Study of Fish Diseases) and in collaboration with the University of Stirling (Scotland), the Institute National de la Recherche Agronomique, Jouy-en-Josas (France), the University College Cork (Ireland) and the Sanofi, Santé Nutrition Animale (France). Obtained on August 1, 1994 and ended February 28, 1997. Location: Istituto Zooprofilattico Sperimentale of Piedmont, Liguria and Valle d'Aosta, Turin.

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- From July 1994 to December 31, 1999, delegate of the Italian Fishfarmers Association (A.P.I.) at the Provincial Council of Fisheries of the Province of Pavia.
- Research contract, as veterinary expert, as part of the research project funded by the Ministry of Health "*Studies on Streptococcosis fish: new diagnostic methods for the detection of Lactococcus garvieae and evaluation of the immune response in rainbow trout following tests of vaccination*" at the Fish Diseases laboratory. Contract period: from 3 November 1997 to 2 November 1998. Location: Istituto Zooprofilattico Sperimentale of Piedmont, Liguria and Valle d'Aosta, Turin.
- Research contract, as veterinary expert, as part of the research project funded by the Ministry of Health "*Prevention of infection by Lactococcus garvieae in salmonids*", at the Fish Diseases laboratory. Contract period: from November 3, 1998 to November 2, 1999. Location: Istituto Zooprofilattico Sperimentale of Piedmont, Liguria and Valle d'Aosta, Turin.
- Contract with the Catholic University of the Sacred Heart of Milan, for the academic year 1999-2000, with the assignment of the position of contract professor, at the Faculty of Agriculture, University Diploma in "Food technologies" Guidance Productions and transformations ittiche, Cremona headquarters.
- Fixed-term contract (3 months) as expert veterinary of fish diseases, at the Istituto Zooprofilattico Sperimentale of Piedmont, Liguria and Valle d'Aosta, Turin. Contract period: from 1 March 2000 to 31 May 2000.
- Contract with the Catholic University of the Sacred Heart of Milan, for the academic year 2000-2001, with the assignment of the position of adjunct professor, at the Faculty of Agriculture, University Diploma in "Food technologies" Guidance Productions and transformations ittiche, Cremona headquarters.
- From June 1, 2000 to date, permanent employment at the Turin Office – Fish Diseases and Aquaculture Laboratory of the Istituto Zooprofilattico Sperimentale of Piedmont, Liguria and Valle d'Aosta, Turin, with the qualification of Veterinary Executive (ex I level).
- From January 2003 to February 2008 member of the Board of Directors of the Italian Society of Fish Pathology (S.I.P.I.).
- From 2004 up to now, scientific director of Ittiopatologia, Journal of Pathology of Aquatic Organisms, official quarterly publication of the Italian Society of Fish Pathology.
- Contract with the University of Turin, for the academic year 2004-2005, with the assignment of a contract professor, at the Faculty of Veterinary Medicine, Grugliasco (TO).
- From 01 December 2008 to 30 November 2010, conferring the role of acting responsible for the simple structure of the S.S. Specialized Fish Diseases Laboratory. Location: Istituto Zooprofilattico Sperimentale of Piedmont, Liguria and Valle d'Aosta, Turin.
- From 01 January 2008 to 31 December 2013, conferring the

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<b>Language skills</b>

<p>role of Secretary Treasurer within the Board of Directors of the Italian Society of Fish Pathology.</p> <ul style="list-style-type: none"> <li>- From 2008 to date, appointment by the Regional Council of the Piedmont Region, as a member of the Regional Technical-Scientific Advisory Committee for Fisheries.</li> <li>- From 01 December 2010 to date, conferral role of manager of Simple Structure at the S.S. Specialized Fish Diseases Laboratory, within the S.C. General Diagnostics. Location: Istituto Zooprofilattico Sperimentale of Piedmont, Liguria and Valle d'Aosta, Turin.</li> <li>- From January 01, 2014 to December 31, 2019, conferral of the role of President within the Board of Directors of the Italian Society of Fish Pathology (S.I.P.I.)</li> <li>- From July 28, 2016 to date appointment of the Advisory Committee for use in aquaculture of exotic species, pursuant to art. 5 of the Regulation (EC) no. 708/2007 of the Council of 11/06/2007.</li> <li>- From December 20, 2016, participation in the group of experts in the ITAQUA Aquaculture Platform of the Ministry of Agricultural, Forestry and Food Policies.</li> <li>- From October 2018, scientific representative of the Working Group on Sturgeon Diseases, established by the Italian Society of Fish Pathology.</li> <li>- From February 05, 2019, participation in the Working Group (WG) for the guidelines for the prudent use of antibiotics in aquaculture as an expert, with direct mandate from the interregional group of the National Anti-Micro-Resistance Contrast Plan (PNCAR) 2017-2020 which, on behalf of the Ministry of Health, prepares the initiatives to implement the PNCAR and which has assigned the FVG Region the task of coordinating this project.</li> </ul>	
Native language	ITALIAN
Other language	ENGLISH (Basic level)

### OTHER (RESEARCH, COURSES, LESSONS, CONFERENCES, PUBLICATIONS)

<b>Research</b>
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<ul style="list-style-type: none"> <li>- Scientific director and coordinator of the two-year project of current research in 2001 the Ministry of Health, related to "<b>Epidemiological investigation on Proliferative Kidney Disease and evaluation of etiological detection methods in fish and alternate hosts</b>"; from 1 June 2002 to 30 November 2004.</li> <li>- Scientific director and coordinator of the two-year research project in 2001 the Ministry of Agriculture and Forestry, VI three-year Plan of Fishing and Aquaculture, relating to "<b>Studies on the Proliferative Kidney Disease in salmonid Italy</b>"; from 1 September 2002 to 28 February 2005.</li> <li>- Scientific director and coordinator of the 2002 current biennial research</li> </ul>	
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project of the Ministry of Health, concerning **"Use of the animal rainbow trout model (*Oncorhynchus mykiss*) for subacute and chronic toxicity studies of mycotoxins in single form or in combination"**; from 1 June 2003 to 31 May 2006.

- Scientific director and coordinator of the current biennial research project 2003 of the Ministry of Health, concerning **"Vaccination of fish: systematic approach to indirect prophylaxis of the main bacterial diseases"**; from 1 April 2004 to 30 September 2006.

- Scientific director and coordinator of the current biennial research project 2004 of the Ministry of Health, concerning **"Identification through rapid and innovative systems of atypical mycobacteria and pathogenesis studies through experimental tests"**; from 13 June 2005 to 12 February 2008.

- Scientific director and coordinator of the current biennial research project 2005 of the Ministry of Health, concerning **"Polyphasic approach in the identification of isolates belonging to the genus *Vibrio* in fish material"**; from 1 July 2006 to 30 June 2008.

- Scientific director and coordinator of the current biennial research project of the Ministry of Health of 2006 concerning **"Renal Proliferative Disease of Salmonidae: phylogenetic studies on *Tetracapsuloides bryosalmonae* and epidemiological investigation on parasite diffusion in bryozoan hosts"**; from 01 June 2007 to 01 April 2010.

- Scientific director and coordinator of the current biennial research project 2007 of the Ministry of Health, concerning **"Development of diagnostic methods useful for identifying zoonotic parasites or included in the OIE list: research on *Diphyllbothrium latum* and *Gyrodactylus salaris*"**; from 01 July 2008 to 30 June 2011.

- Scientific director and coordinator of the current 2008 research project of the Ministry of Health, concerning **"Investigations on mortality in wild and farmed marine fish. Study on photobacteriosis and vibriosis as primary causes of disease and expansion of the research network"**; from 01 July 2009 to 30 June 2012.

- Scientific director and coordinator of the current 2009 biennial research project of the Ministry of Health, concerning **"Use of antifouling paints in aquatic environments. Evaluation of harmful effects on aquatic organisms"**; from 01 November 2010 to 31 October 2013.

- Scientific director and coordinator of the current 2010 research project of the Ministry of Health, concerning **"Setting up a multidisciplinary system to control pathogenic Arboviruses for humans and animals in vector Culicid"**; from 01 October 2011 to 28 February 2013.

- Scientific director and coordinator of the 2011 current biennial research project of the Ministry of Health, on **"Evaluation of acute and chronic toxicity of organophosphorus pesticides in some fish species and study of the associated enzymatic and genotoxic response"**; from 01 November 2012 to 30 June 2015.

- Scientific director and coordinator of the 2010 Ministry of Health's three-year research project **"Epidemiological survey on freshwater fish-borne parasitic zoonoses: study of biotic and abiotic factors influencing the occurrence of zoonotic helminthes in freshwater fish populations from Northern Italy and identification of main risk factors contributing their transmission to man"**; from 01 December 2012 to 30 November 2015.

- Scientific director and coordinator of the 2012 current biennial research

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	<p>project of the Ministry of Health, on <b>"The Anisakis problem: new acquisitions in the diagnostic and epidemiological field on the national territory, with evaluation of allergic cases in patients in a control area"</b>; from 1 November 2013 to 31 October 2016.</p> <ul style="list-style-type: none"> <li>- Scientific director and coordinator of the current three-year research project of the Ministry of Health, concerning <b>"Multidisciplinary approach for the study of antibiotic resistance phenomena and integrated intervention strategies between animal welfare and rational use of the drug"</b>; from 1 November 2014 to 31 October 2018.</li> <li>- Scientific director and coordinator of the current biennial research project 2014 of the Ministry of Health, related to <b>"The new Italian job: the oyster affaire. A great entrepreneurial opportunity to be managed between food security and gastronomic cult"</b>; from 1 September 2015 to 30 August 2018.</li> <li>- Scientific director and coordinator of the research project, funded by the CRT Foundation, concerning <b>"Doctor fish in beauty centers - Preparation of guidelines for a conscious management of Garra rufa in a public health and welfare perspective"</b>; from 23 October 2016 to 24 August 2018.</li> </ul> <p>Scientific director and coordinator of the research project, funded by the CRT Foundation, concerning <b>"ALPLA - ALPine LAkes: indicators of global change"</b>; from 13 February 2018 to 10 August 2020.</p> <ul style="list-style-type: none"> <li>- Scientific director and coordinator of the 2018 biennial research project of the Ministry of Health, concerning <b>"Parasitic zoonoses neglected by freshwater fish fauna"</b>: from 20 December 2018 to 19 December 2020.</li> <li>- Scientific director and coordinator of the research project, funded by the CRT Foundation, concerning to <b>"How are the fish in the city? Evaluation of the fish community in the metropolitan stretch of the Po river"</b>; from 13 February 2019 to 10 August 2021.</li> <li>- Scientific director of the Operative Unit in 41 current research projects of the Ministry of Health;</li> <li>- Scientific director of the Operative Unit in 3 Finalized Research Projects of the Ministry of Health;</li> <li>- Scientific manager of the Operative Unit in 3 international projects, funded by the European Community.</li> </ul>
<b>Training courses</b>	<ul style="list-style-type: none"> <li>- Participation in training course, seminars, National and International conferences of veterinary interest and especially about the fish disease and aquaculture, in quality of learner and speaker.</li> </ul>
<b>Lessons</b>	<ul style="list-style-type: none"> <li>- From 1995 to date, carrying out of monothematic lessons with regards to the pathology of aquatic species, aquaculture and aquatic ecotoxicology at the several Veterinary Faculty (Grugliasco-TO, Milan, Parma, Ozzano dell'Emilia (BO), Cesenatico-FC, Padua, Udine, Pisa, Bari, Messina, Sassari), Faculty of Agriculture (Grugliasco-TO, Piacenza), graduate schools and ECM courses.</li> </ul>
<b>Tutor activity</b>	<ul style="list-style-type: none"> <li>- From 2000 to date, he carried out company tutoring and co-tutoring activities for the performance of 46 dissertations (7 three-year thesis and 15 master's thesis at the Universities of Turin, Bologna, Perugia and Viterbo; 15 diploma dissertations of specialization at the Universities of Turin, Milan, Padua, Udine and Siena, 8 Master's dissertations at the Universities of Turin,</li> </ul>

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	Bologna, Parma and Urbino, and 5 PhD dissertations at the University of Genoa, Bologna, Trieste and Sassari).
<b>Refereed scientific papers</b> (last 5 years)	<ul style="list-style-type: none"><li>- In 2016 referred 13 scientific papers in the journals International Aquatic Research journals, Italian Journal of Animal Science, Italian Journal of Food Safety, Ittiopatologia (3), Journal of Fish Diseases (2), Research in Veterinary Science (2), Reviews in Aquaculture and Italian Society of Marine Biology (2).</li><li>- In 2017 referred 8 scientific papers in the journals Aquaculture (2), Asian Fisheries Science Journal, Environmental Pollution, Italian Journal of Animal Science, Italian Journal of Food Safety and Ittiopatologia (2).</li><li>- In 2018 referred 15 scientific papers in the journals Aquaculture (5), Aquaculture Reports, Aquatic Botany, Environmental Pollution, International Journal of Molecular Sciences, Italian Journal of Food Safety (2), Journal of Fish Diseases, Journal of Virological Methods, Net Journal of Agricultural Science and Reviews in Aquaculture.</li><li>- In 2019 referred 20 scientific papers in the journals Animals, Aquaculture (3), BMC Veterinary Research, Chemosphere (2), Fishes (2), Frontiers Microbiology, Italian Journal of Food Safety, Fish Pathology (4), Microorganism, Pathogens, Trends in Food Science &amp; Technology and Vaccines (2).</li><li>- In 2020, referred 32 scientific papers in the journals Animals (2), Aquaculture (3), Aquaculture Reports, Aquaculture Research, Bulletin of European Association of Fish Pathologists, Chemosphere (2), Diseases of Aquatic Organisms, Environmental Pollution (2), Histology and Histopathology, Ingenieria e Investigación, Italian Journal of Freshwater Ichthyology, Ittiopatologia (2), Journal of Fish Diseases (2), Journal of Food Composition and Analysis, Marine Pollution Bulletin, Microorganisms (2), Pathogens (3), PeerJ, Sustainability, Vaccines, Veterinary World, Water.</li></ul>
<b>Publications on Italian journals</b> (last 5 years)	<ul style="list-style-type: none"><li>- Co-author of 137 scientific papers published in national scientific journals.</li><li><b>COSTANTINI E., BOSCO C., GUSTINELLI A., CAFFARA M., MENCONI V., SCATURRO G., QUAGLIO F., GAVAUDAN S., CAPOZUCCA A., CICCARELLI C, BISCEGLIA D., PREARO M. &amp; FIORAVANTI M.L. – (2016)</b> Anisakiasis ittica: studio ecoparassitologico in diversi areali di pesca del mar Adriatico centro-meridionale. (<i>Ittiopatologia</i>, 13, 1: 35-56).</li><li><b>DEZZUTTO D., BARBERO R., FOGLINI C., SCANZIO T., PREARO M., VITALE N., BERGAGNA S. &amp; GENNERO M.S. – (2016)</b> Determinazione dei range di normalità dei principali parametri ematochimici in trota iridea (<i>Oncorhynchus mykiss</i>). (<i>Ittiopatologia</i>, 13, 2: 89-96).</li><li><b>SCANZIO T., PREARO M., BALMA G.A.C., FOGLINI C., FERRARESE A., PUCCI A. &amp; DELMASTRO G.B. - (2016)</b> "Pesci gatto africani" nelle acque del Piemonte (Osteichthyes: Clariidae). (<i>It. J. Freshwater Ichthyol.</i>, 3: 83-88).</li><li><b>CAIMI C., PREARO M., SCHIAVONE A., VARELLO K., GAI F. &amp; GASCO L. – (2017)</b> Caratterizzazione istologica dell'apparato digerente dei storioni alimentati con diete contenenti una farina di mosca soldato (<i>Hermetia illucens</i>). (<i>Tecnica Molitoria</i>, 68: 380).</li><li><b>PASTORINO P., BONA M.C., FOGLINI C., MAURELLA C., RIGHETTI M., BURIOLI E.A.V., RU G., PIZZUL E. &amp; PREARO M. – (2017)</b> Rischi sanitari associati alla movimentazione dell'ittiofauna e all'introduzione di alloctoni. (<i>It. J. Fresh. Ichthyol.</i>, 4: 109-116).</li><li><b>BARISONE S., PASTORINO P., FOGLINI C., RIGHETTI M., SICURO B. &amp; PREARO M. – (2017)</b> Monitoraggio sanitario in specie ittiche ornamentali importante in Piemonte durante il 2015. (<i>Ittiopatologia</i>, 14, 1: 53-70).</li><li><b>PREARO M., PENNAZIO R., PASTORINO P., SCANZIO T., RIGHETTI M., BONA M.C. &amp; BRIATA M.P. – (2017)</b> Misure di biosicurezza applicabili in centri estetici e medici che utilizzano <i>Garra</i></li></ul>

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### Publications on International journals (last 5 years)

*rufa*. (Ittiopatologia, 14, 2: 105-129).

**CANOLA S., RIGHETTI M., PASTORINO P., ARSIENI P., CAVAZZA G., BONA M.C., SICURO B. & PREARO M. – (2017)**

Valutazione dell'immunità in trota iridea (*Oncorhynchus mykiss*) in seguito all'impiego di diversi protocolli vaccinali per la lattococcosi ittica. (Ittiopatologia, 14, 3: 159-177).

**MUGETTI D., DEMICHELIS A., PASTORINO P., RIGHETTI M., FOGLINI C., CAVAZZA G., SICURO B. & PREARO M. – (2018)**

Monitoraggio sanitario in trota iridea della regione Piemonte. (Ittiopatologia, 15, 1-2: 29-43).

**MENCONI V., PASTORINO P., CAPURRO M., CIUFFARDI L., ONETO F., OTTONELLO D., MONACI E., RIGHETTI M. & PREARO M. – (2018)**

Prima segnalazione di *Hysteromorpha triloba* (Digenea: Diplostomidae) in ciprinidi pescati nelle acque interne liguri. (Ittiopatologia, 15, 1-2: 45-53).

**MENCONI V., MUGETTI D., PASTORINO P., CAIMI C., SCANZIO T., MIGNONE W., GARIBALDI F., BONA M.C. & PREARO M. – (2018)**

*Echinophallus wagneri* (Eucestoda: Bothriocephalidea) in ricciola di fondale *Centrolophus niger* nel Mar Ligure di Ponente. (Ittiopatologia, 15, 1-2: 53-62).

**MUGETTI D., RIGHETTI M., ESPOSITO G., BENEDETTO A., PASTORINO P., TURIN L. & PREARO M. – (2018)**

Efficacia del sequenziamento genico nella diagnosi routinaria di micobatteriosi ittiche. (Ittiopatologia, 15, 3: 67-83).

**PREARO M., PASTORINO P., BONA M.C., RIGHETTI M., SERRACCA L., CARUSO C., ERCOLINI C., MASOERO L. & PENNAZIO R. – (2018)**

Risultati del monitoraggio sanitario effettuato in un centro estetico con attività di fish pedicure. (Ittiopatologia, 15, 3: 121-137).

**BERTOLI M., GIULIANINI P.G., BOSCHIAN C., FRANZ F., PALLAVICINI A., TORBOLI V., PASTORINO P., PREARO M., AVIAN M. & PIZZUL E. – (2019)**

Aspetti della biologia ed analisi del ciclo riproduttivo di *Gobio benacensis* (Pollini, 1816) nel Nordest Italia. (It. J. Freshwater Ichthyol., 5, 1: 102-119).

**SCALICI M., AQUILONI L., BORGHESAN F., CARICATO G., CHIESA S., CIUTTI F., DÖRR A.J.M., ELIA C., FEA G., FRANZOI P., GHIA D., INGHILESI A.F., INNOCENTI G., LORENZONI M., MAIO G., MAZZA G., NONNIS MARZANO F., PIZZUL E., PREARO M., TRICARICO E., ZANETTI M. – (2019)**

La ricerca di base e applicata sui decapodi dulcicoli in Italia. (It. J. Freshwater Ichthyol., 5, 1: 228-238).

**PASTORINO P., PREARO M., FAVARO L., SQUADRONE S., PIZZUL E., PUCCI A. & ABETE M.C. – (2019)**

Determinazione del contenuto in metalli pesanti in una popolazione di gambero rosso della Louisiana (*Procambarus clarkii* Girard, 1852) nella Riserva Naturale del Lago di Candia (TO). (Ittiopatologia, 16, 1-2: 3-16).

**GUARDA F., ALBORALI G.L., BAR V., CAPUCCHIO M.T., CHIAPPINO L., COLOMBINO E., GILI C., LAURINO D., MIGNONE W., MUGETTI D., PORPORATO M., PREARO M., SALOGNI C., SERENO A. & TURSI M. – (2020)**

Sull'evoluzione del cuore negli animali: dagli invertebrati ai vertebrati. (Summa animali da compagnia, 3: 43-58).

**GUARDA F., SALOGNI C., MUGETTI D., COLOMBINO E., CORTI I., PASTORINO P., MIGNONE W., CHIAPPINO W., SERENO A., GARIBALDI F., MALANDRA R., PAZZAGLIA M., GROSSI C., ALBORALI G.L., PREARO M. & CAPUCCHIO M.T. – (2020)**

Patologia delle arterie coronariche in diverse specie di pesci allevati e selvatici. (Ittiopatologia, 17, 1: 23-36).

**FRANCESE D.R., PASTORINO P., VARELLO K., RIGHETTI M., BOZZETTA E. & PREARO M. – (2020)**

The use of 17  $\alpha$ -methyl testosterone in fish broodstock husbandry in trout farms: a case of intersex. (Ittiopatologia, 17, 2).

**GUARDA F., MUGETTI D., COLOMBINO E., PASTORINO P., MIGNONE W., GARIBALDI F., SALOGNI C., PREARO M. & CAPUCCHIO M.T. – (2020)**

"Small vessel disease" delle arterie coronariche dei pesci: dal pesce spada alla patologia comparata, con considerazioni sulla plasticità del cuore dei pesci. (Ittiopatologia, 17, 2).

- Co-author of 131 scientific papers published in international scientific journals.

**SQUADRONE S., PREARO M., NESPOLI R., SCANZIO T. & ABETE M.C. –**

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**(2016)**

PCDD/Fs, DL-PCBs and NDL-PCBs in European catfish from a northern Italian lake: the contribution of an alien species to human exposure. (*Ecotox. Environ. Safety*, 125: 170-175).

**SQUADRONE S., BRIZIO P., STELLA C., PREARO M., PASTORINO P., SERRACCA L., ERCOLINI C. & ABETE M.C. – (2016)**

Presence of trace metals in aquaculture marine ecosystems in Northwestern Mediterranean Sea (Italy). (*Environ. Pollution*, 215: 77-83).

**BENEDETTO A., BRIZIO P., SQUADRONE S., SCANZIO T., RIGHETTI M., GASCO L., PREARO M. & ABETE M.C. – (2016)**

Oxidative stress related to Chlorpyrifos exposure in rainbow trout: acute and medium term effects on genetic biomarkers. (*Pesticide Biochemistry and Physiology*, 129: 63-69).

**PAUTASSO A., RADAELLI M.C., BALLARDINI M., FRANCESE D.R., VERNA F., MODESTO P., GRATTAROLA C., DESIATO R., BERTOLINI S., VITALE N., FERRARI A., ROSSINI I., ACCORSI A., MOSCA A., MONACO F., SAVINI G., PREARO M., MIGNONE W., CHIAVACCI L. & CASALONE C. – (2016)**

Detection of West Nile and Usutu Viruses in Italian free areas: entomological surveillance in Piemonte and Liguria Regions, 2014. (*Vector-Borne and Zoonotic Dis.*, 16, 4: 292-294).

**BURIOLI E.A.V., PREARO M., RIINA M.V., BONA M.C., FIORAVANTI M.L., ARCANGELI G. & HOUSSIN M. – (2016)**

Ostreid Herpesvirus type 1 (OsHV-1) genomic variability in wild populations of Pacific oyster *Crassostrea gigas* in Italian waters. (*J. Invert. Pathol.*, 137: 71-83).

**GUSTINELLI A., MENCONI V., PREARO M., CAFFARA M., RIGHETTI M., SCANZIO T., RAGLIO A. & FIORAVANTI M.L. – (2016)**

Prevalence of *Diphyllobothrium latum* (Cestoda: Diphyllbothriidae) plerocercoids in fish species from four Italian lakes and risks for the consumers. (*Internat. J. Food Microbiol.*, 235: 109-112).

**SQUADRONE S., BURIOLI E., MONACO G., KOYA M.K., PREARO M., GENNERO S., DOMINICI A. & ABETE M.C. – (2016)**

Human exposure to metals due to consumption of fish from a lake artificial basin close to an active mining area in Katanga (D.R. Congo). (*Sci. Total Environ.*, 568: 679-684).

**TATICCHI M.I., DÖRR A.J.M., PREARO M. & ELIA A.C. - (2016)**

*Plumatella repens* (Linnaeus, 1758) (Bryozoa: Phylactolaemata) collected from an alpine lake in the Italian dolomites. (*It. J. Zoology*, 83, 3: 382-389).

**ELIA A.C., PACINI N., FIORAVANTI M.L., DÖRR A.J.M., ZACCARONI A., PARMEGGIANI A., GUSTINELLI A., MORDENTI O., ABETE M.C. & PREARO M. – (2016)**

Assessment of detoxifying markers for Florfenicol in rainbow trout liver. (*J. Aquat. An. Health*, 28: 258-265).

**PENNAZIO R., PREARO M., RIGHETTI M., SERRACCA L., VERZURI A., NANTE N., PASTORINO P. & BRIATA M.P. – (2016)**

Fish doctor and beauty center: a possible marriage in respect of public health. (*Eur. J. Public Health*, 26, supplement 1: 77-78).

**GUSTINELLI A., BARBIERI S., FIORAVANTI M.L., CAFFARA M., GOVONI G., RUBINI S., BERGAMINI M., RAGLIO A. & PREARO M. – (2016)**

Freshwater fish-borne parasitic zoonoses in Italy. (*Eur. J. Public Health*, 26, supplement 1: 453-454).

**BIGARRÈ L., LESNE M., LAUTRAITE A., CHESNEAU V., LEROUX A., JAMIN M., BOITARD P.M., TOFFAN A., PREARO M., LABRUT S. & DANIEL P. – (2017)**

Molecular identification of iridoviruses infecting various sturgeon species in Europe. (*J. Fish Dis.*, 40, 1: 105-118).

**CAFFARA M., SERRACCA L., GUSTINELLI A., VENCIA W., ROSSINI I., PREARO M. & FIORAVANTI M.L. – (2017)**

Development and validation of species-specific molecular diagnostic tool for *Opisthorchis felineus* (Digenea, Opisthorchiidae) metacercariae (*Int. J. Food Microbiol.*, 242: 98-100).

**ANTUOFERMO E., ARIU R., BURRAI G.P., POLINAS M., SANNA M.A., ESPOSITO G., PREARO M. & PAIS A. – (2017)**

First evidence of intersex condition in extensively reared mullets from Sardinia lagoons (Central-western Mediterranean. Italy). (*It. J. An. Science*, 16, 2: 283-291).

**VERNA F., MODESTO P., RADAELLI M.C., FRANCESE D.R., MONACI E., DESIATO R., GRATTAROLA C., PELETTO S., MOSCA A., SAVINI G., CHIANESE R., DEMICHELI V., PREARO M., CHIAVACCI L., PAUTASSO A. & CASALONE C. – (2017)**



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Macrobenthic invertebrates as tracers of rare earth elements in freshwater watercourses. (Science Total Environ., 698: 134282).

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First report of *Clinostomum complanatum* (Trematoda: Digenea) in European perch (*Perca fluviatilis*) from an Italian subalpine lake: a risk for public health? (Int. J. Environ. Res. Public Health, 17, 1389).

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- Co-author of 500 abstracts printed on National Conferences Book of Abstracts;

- Co-author of 190 abstracts printed on Proceedings of International Conferences.