

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name
Address
Telephone
Fax
E-mail
Nationality
Date of birth
ORCID

TOFFAN ANNA

<https://orcid.org/0000-0003-4389-3489>

WORK EXPERIENCE

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
 - Main activities and responsibilities

2012 to date
Istituto Zooprofilattico Sperimentale delle Venezie
Fish Virology Department
Veterinary on a permanent position
Responsible for the Aquatic Animal Virology Department in the framework of the National Reference Centre for fish, crustacean and molluscs diseases.
Head of the WOAHP Reference Laboratory for Viral Encephalopathy and retinopathy
Main activities: fish diagnostic activities, research on viral diseases of fish, designing and running of *in vivo* experiments in the experimental aquarium.
Participation as trainer or keynote speaker to international working groups and training programmes.

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 - Type of business or sector
 - Occupation or position held
 - Main activities and responsibilities

2008-2010
Istituto Zooprofilattico Sperimentale delle Venezie
Virology Department
Veterinary on a permanent position
Coordinator of the viral diagnostic activities, including fish viruses.

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 - Type of business or sector
 - Occupation or position held
 - Main activities and responsibilities

2006-2008
Istituto Zooprofilattico Sperimentale delle Venezie
Avian Virology Department
Veterinary on a temporary position
Coordinator of the production of reagents in the poultry animal facilities. Experimental infections and laboratory activities in the framework of the European projects FLUPATH, FLUAID and FLUTRAIN.

- Dates (from – to)
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
 - Main activities and responsibilities

2002-2006
Istituto Zooprofilattico Sperimentale delle Venezie
Avian Virology Department
Grant student
Coordinator of the electron microscopy laboratory in the framework of the European Project AVIFLU

EDUCATION AND TRAINING

- Dates (from – to)
- Name and type of organisation
- Title of qualification awarded
- Dates (from – to)

November 1998-November 2002
University of Padua, Faculty of Veterinary Medicine
Degree in Veterinary Medicine

November 2002-November 2005

- Name and type of organisation
• Title of qualification awarded
• Dates (from – to)
University of Padua, Faculty of Veterinary Medicine
Post degree specialization in Fish diseases and hygiene of fish products
January 2005- January 2009
- Name and type of organisation
• Title of qualification awarded
• Dates (from – to)
University of Padua, Faculty of Veterinary Medicine
PHD in Animal Health
6-10 June 2012
- Name and type of organisation
• Title of qualification awarded
• Dates (from – to)
Better training for safer food. Programme 2012 - 2013
Animal health prevention and controls of aquaculture animals
7-14 April 2014
- Name and type of organisation
• Title of qualification awarded
• Dates (from – to)
University of Wageningen –The Netherlands
Fish Immunology/vaccination workshop 2014
1-3 July 2015
- Name and type of organisation
• Title of qualification awarded
• Dates (from – to)
OIE- Bergen (NO)
OIE Regional Seminar for National Focal Points for Aquatic Animals
21/02/2020
- Name and type of organisation
• Title of qualification awarded
• Dates (from – to)
European College of Aquatic Animal Health
De Facto Diplomate

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE
OTHER LANGUAGES
Self-assessment

ITALIAN
ENGLISH

Understanding*		Speaking*		Writing*
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

European level (*)

SCIENTIFIC PUBLICATIONS RELATED TO FISH (FROM 2020)

She authored and co-authored more than 100 research articles published on peer reviewed journal mainly focused on fish and fish diseases

- Zamperin G, Milani A, Gastaldelli M, Quartesan R, Fortin A, Cappellozza E, Patarnello P, **Toffan A**. Genomic Sequence of a New Alphavirus Detected in Comber (*Serranus cabrilla*). Microbiol Resour Announc. 2020 Jan 9;9(2). pii: e01294-19. doi: 10.1128/MRA.01294-19
- Boukedjouta R, Pretto T, Abbadi M, Biasini L, **Toffan A**, Mezali K. Viral encephalopathy and retinopathy is endemic in wild groupers (genus *Epinephelus* spp.) of the Algerian coast. J Fish Dis. 2020 Jul;43(7):801-812. doi: 10.1111/jfd.13181. Epub 2020 May 2
- Gallochio F, Biancotto G, Moressa A, Pascoli F, Pretto T, **Toffan A**, Arcangeli G, Montesi F, Peters R, Ricci A. Bioaccumulation and in vivo formation of titanium dioxide nanoparticles in edible mussels. Food Chem. 2020 Apr 18;323:126841. doi: 10.1016/j.foodchem.2020.126841.
- Colorio S, **Toffan A**, Lewisch E, Dalla Pozza M, Stifter E, Pircher A, Meraner A, Bettini A, Tavella A. Koi herpesvirus disease outbreak: Input for the implementation of a surveillance program in South Tyrol - Italy. Prev Vet Med. 2020 Aug;181:105089
- Bulfon C, Prearo M, Volpatti D, Byadgi O, Righetti M, Maniaci MG, Campia V, Pastorino P, Pascoli F, **Toffan A**, Biolatti C, Acutis PL, Colussi S. Resistant and susceptible rainbow trout (*Oncorhynchus mykiss*) lines show distinctive immune response to *Lactococcus garvieae*. Fish Shellfish Immunol. 2020 Oct;105:457-468
- Panzarin V, Cuenca A, Gastaldelli M, Alencar ALF, Pascoli F, Morin T, Blanchard Y, Cabon J, Louboutin L, Ryder D, Abbadi M, **Toffan A**, Dopazo CP, Biacchesi S, Brémont M, Olesen NJ. VHSV Single Amino Acid Polymorphisms (SAPs) Associated With Virulence in Rainbow Trout. Front Microbiol. 2020 Aug 27;11:1984. doi: 10.3389/fmicb.2020.01984.
- Marsella A, Pretto T, Abbadi M, Quartesan R, Cortinovis L, Fiocchi E, Manfrin A, **Toffan A**. Carp edema virus-related mortality in wild adult common carp (*Cyprinus carpio*)

in Italy. J Fish Dis. 2021 Feb 16. doi: 10.1111/jfd.13353

- López-Vázquez C, Bandín I, Panzarin V, **Toffan A**, Cuenca A, Olesen NJ, Dopazo CP. Steps of the Replication Cycle of the Viral Haemorrhagic Septicaemia Virus (VHSV) Affecting Its Virulence on Fish. Animals (Basel). 2020 Dec 1;10(12):2264. doi: 10.3390/ani10122264.
- Ciulli S, Volpe E, Sirri R, Tura G, Errani F, Zamperin G, **Toffan A**, Silvi M, Renzi A, Abbadi M, Biasini L, Pretto T, Emmanuele P, Casalini A, Sarli G, Serratore P, Mordenti O, Mandrioli L. Multifactorial Causes of Chronic Mortality in Juvenile Sturgeon (*Huso huso*). Animals (Basel). 2020 Oct 13;10(10):1866. doi: 10.3390/ani10101866
- Faggion S, Bertotto D, Babbucci M, Dalla Rovere G, Franch R, Bovolenta M, Laureau S, Pascoli F, **Toffan A**, Bargelloni L, Carnier P. Resistance to viral nervous necrosis in European sea bass (*Dicentrarchus labrax* L.): heritability and relationships with body weight, cortisol concentration, and antibody titer. Genet Sel Evol. 2021 Apr 1;53(1):32
- **Toffan, L.** Biasini, T. Pretto, M. Abbadi, A. Buratin, R. Franch, G. Dalla Rovere, V.M. Panzarin, A. Marsella, L. Bargelloni, F. Pascoli. Age dependency of RGNNV/SJNNV viral encephalo-retinopathy in Gilthead Sea Bream (*Sparus aurata*). Aquaculture, 2021, 736605, ISSN 0044-8486, <https://doi.org/10.1016/j.aquaculture.2021.736605>
- Abbadi, M., Gastaldelli, M., Pascoli, F., Zamperin, G., Buratin, A., Bedendo, G., **Toffan, A.**, & Panzarin, V. (2021). Increased Virulence of Italian Infectious Hematopoietic Necrosis Virus (IHNV) Associated with the Emergence of New Strains. Virus Evol. 2021 Jun 8;7(2):veab056. doi: 10.1093/ve/veab056. eCollection 2021.
- Barsøe, S., **Toffan, A.**, Pascoli, F., Stratmann, A., Pretto, T., Marsella, A., Er-Rafik, M., Vendramin, N., Olesen, N.J., Sepúlveda, D., & Lorenzen, N. (2021). Long-term protection and serologic response of European sea bass vaccinated with a betanodavirus virus-like particle produced in *Pichia pastoris*. 10.3390/vaccines9050447
- Biasini, L., Berto, P., Abbadi, M., Buratin, A., Toson, M., Marsella, A., **Toffan, A.**, & Pascoli, F. (2022). Pathogenicity of Different Betanodavirus RGNNV/SJNNV Reassortant Strains in European Sea Bass. Pathogens (Basel, Switzerland), 11(4), 458.
- Padrós, F., Caggiano, M., **Toffan, A.**, Constenla, M., Zarza, C., & Ciulli, S. (2022). Integrated Management Strategies for Viral Nervous Necrosis (VNN) Disease Control in Marine Fish Farming in the Mediterranean. Pathogens (Basel, Switzerland), 11(3), 330. <https://doi.org/10.3390/pathogens11030330>
- Brocca, G., Zamparo, S., Pretto, T., Calore, A., Marsella, A., Xiccato, R. L., Cornaggia, M., Cortinovis, L., Bano, L., **Toffan, A.**, Quaglio, F., & Verin, R. (2022). Severe gastroenteropathy associated with *Clostridium perfringens* isolation in starving juvenile sturgeons. Journal of fish diseases, 45(3), 471–477. <https://doi.org/10.1111/jfd.13579>
- Audino T, Berrone E, Grattarola C, Giorda F, Mattioda V, Martelli W, Pintore A, Terracciano G, Cocumelli C, Lucifora G, Nocera FD, Di Francesco G, Di Renzo L, Rubini S, Gavaudan S, **Toffan A**, Puleio R, Bold D, Brunelli F, Gorla M, Petrella A, Caramelli M, Corona C, Mazzariol S, Richt JA, Di Guardo G, Casalone C. Potential SARS-CoV-2 Susceptibility of Cetaceans Stranded along the Italian Coastline. Pathogens. 2022 Sep 25;11(10):1096. doi: 10.3390/pathogens11101096.
- Vázquez-Salgado L, Pascoli F, Marsella A, Biasini L, Buratin A, Pretto T, Abbadi M, Melchioti E, Bandín I, **Toffan A**. Role of Rotifers in Betanodavirus Transmission to European Sea Bass Larvae. Front Vet Sci. 2022 Aug 3;9:932327. doi: 10.3389/fvets.2022.932327. eCollection 2022.
- Marsella A, Pascoli F, Pretto T, Buratin A, Biasini L, Abbadi M, Cortinovis L, Berto P, Manfrin A, Vanelli M, Perulli S, Rasmussen JS, Sepúlveda D, Vendramin N, Lorenzen N, **Toffan A**. Efficacy of DNA Vaccines in Protecting Rainbow Trout against VHS and IHNV under Intensive Farming Conditions. Vaccines (Basel). 2022 Dec 1;10(12):2062. doi: 10.3390/vaccines10122062.
- Mandrioli L, Barbé T, Foselli MB, Brocca G, Verin R, Errani F, Volpe E, Montesi F, Sirri R, Morini M, Budai J, **Toffan A**, Ciulli S. Cutaneous angiomatosis-like presentation in koi carp (*Cyprinus carpio* koi): Clinical-pathological investigations. J Fish Dis. 2023 Jul;46(7):723-730. doi: 10.1111/jfd.13781. Epub 2023 Mar 14.
- Faggion S, Carnier P, Franch R, Babbucci M, Pascoli F, Dalla Rovere G, Caggiano M, Chavanne H, **Toffan A**, Bargelloni L. Viral nervous necrosis resistance in gilthead sea bream (*Sparus aurata*) at the larval stage: heritability and accuracy of genomic prediction with different training and testing settings. Genet Sel Evol. 2023 Apr 3;55(1):22. doi: 10.1186/s12711-023-00796-0.
- Gallochio F, Moressa A, Pascoli F, Vetri A, **Toffan A**, Pretto T, Arcangeli G, Angeletti R, Ricci A. Effect of TiO2 Nanoparticle on Bioaccumulation of ndl-PCBs in Mediterranean Mussels (*Mytilus galloprovincialis*). Animals (Basel). 2023 Mar 30;13(7):1208. doi: 10.3390/ani13071208.
- Abbadi M, Basso A, Biasini L, Quartesan R, Buratin A, Davidovich N, **Toffan A**. Tilapia lake virus: A structured phylogenetic approach. Front Genet. 2023 Apr 18;14:1069300. doi: 10.3389/fgene.2023.1069300. eCollection 2023
- Mazzucato M, Dorotea T, Franzago E, Mulatti P, Marchetti G, Casarotto C, Fabris A, Ferrè N, **Toffan A**, Marsella A, et al. Overview on the Biosecurity Measures of Salmonid Fish Farms: A Case Study in Italy. Fishes. 2023; 8(11):554.

<https://doi.org/10.3390/fishes8110554>

- Cook KA, Hawke JP, Groman DB, Pretto T, **Toffan A**, Hanson LA, Nguyen D, Ford L, Baumgartner WA. Betanodavirus meningoencephalitis in an Atlantic blue marlin. *J Vet Diagn Invest*. 2024 Feb 8;10406387231218223. doi: 10.1177/10406387231218223. Epub ahead of print. PMID: 38331725.
- Biasini L, Zamperin G, Pascoli F, Abbadi M, Buratin A, Marsella A, Panzarin V, **Toffan A**. Transcriptome Profiling of *Oncorhynchus mykiss* Infected with Low or Highly Pathogenic Viral Hemorrhagic Septicemia Virus (VHSV). *Microorganisms*. 2023 Dec 28;12(1):57. doi: 10.3390/microorganisms12010057. PMID: 38257883; PMCID: PMC10821180.
- **Toffan A.**, Buratin, A., Toson, M., Pascoli, F., Ellero, F., Drago, A., Cecchetti, K., & Abbadi, M. (2023). Il circuito internazionale interlaboratorio per la Encefalo-Retinopatia Virale (VER-IPT): risultati delle prime quattro edizioni The international interlaboratory circuit for Viral Encephalo-Retinopathy (VER-IPT): results of the first four editions (Schede tecniche), *Ittiopatologia* 20, pag 87-102;
- Zrnčić S., Katharios P., Padrós F., Fioravanti M., Gustinelli A., Le Breton A., **Toffan A**. (2024) New Challenges and Achievements in Mediterranean Fish Health Management. *Bulletin of the European Association of Fish Pathologists*. May. <https://doi.org/10.48045/001c.118459>.
- Grattarola C, Pietroluongo G, Belluscio D, Berio E, Canonico C, Centelleghes C, Cocumelli C, Crotti S, Denurra D, Di Donato A, Di Francesco G, Di Guardo G, Di Nocera F, Di Renzo L, Gavaudan S, Giorda F, Lucifora G, Marino L, Marcer F, Marsili L, Migliore S, Pascucci I, Petrella A, Pintore A, Puleio R, Rubini S, Terracciano G, **Toffan A**, Mazzariol S, Casalone C. Pathogen Prevalence in Cetaceans Stranded along the Italian Coastline between 2015 and 2020. *Pathogens*. 2024 Sep 4;13(9):762. doi: 10.3390/pathogens13090762
- Leandro MG, Zornu J, Le Breton A, Chérif N, Basurco B, Furones D, Muniesa A, **Toffan A**, Dalla Pozza M, Franzago E, Zrnčić S, Varvarigos P, Saleh H, Cagiran H, Dverdal Jansen M, Brun E, Tavoranpanich S. Quantification of biosecurity measures in Mediterranean European seabass and gilthead sea bream farms, *Aquaculture*, Volume 596. 2025. <https://doi.org/10.1016/j.aquaculture.2024.741898>
- Cook K.A., Hawke J.P., Groman D.B., Pretto T., **Toffan A.**, Hanson L.A., Nguyen D., Ford L., Baumgartner W.A.(2024). Betanodavirus meningoencephalitis in an Atlantic blue marlin. *J Vet Diagn Invest*. 2024. Feb 20, 2024. doi: 10.1177/10406387231218223;
- **Toffan A**, Buratin A, Pascoli F, Toson M, Ellero F, Abbadi M. (2024). Participating in VER-IPT: Is it worth the effort? *Bulletin of the European Association of Fish Pathologists*, May 2024. <https://doi.org/10.48045/001c.118456>;
- Mandrioli L, Brocca G, Zamparo S, Orioles M, Morini M, Cortinovis L, Focchi E, Anjomani-benisi M, **Toffan A**, Pretto T, Verin R. Multiple cutaneous nerve sheath tumours with myxoid differentiation in farmed Russian sturgeons (*Acipenser gueldenstaedtii*, Brandt and Ratzeburg 1833). *Vet Res Commun*. 2025 Feb 1;49(2):95. doi: 10.1007/s11259-025-10662-7. PMID: 39891828; PMCID: PMC11787230.
- **Toffan A.**, Buratin, A., Toson, M., Pascoli, F., Ellero, F., Drago, A., Cecchetti, K., & Abbadi, M. (2023). Il circuito internazionale interlaboratorio per la Encefalo-retinopatia Virale (VER-IPT): risultati delle prime quattro edizioni. The international interlaboratory circuit for Viral Encephalo-Retinopathy (VER-IPT): results of the first four editions, *Ittiopatologia* 20, volume 3, pag 87-102
- Mukiibi R, Ferrareso S, Franch R, Peruzza L, Dalla Rovere G, Babbucci M, Bertotto D, **Toffan A**, Pascoli F, Faggion S, Peñaloza C, Tsigenopoulos CS, Houston RD, Bargelloni L, Robledo D. Integrated functional genomic analysis identifies regulatory variants underlying a major QTL for disease resistance in European sea bass. *BMC Biol*. 2025 Mar 11;23(1):75. doi: 10.1186/s12915-025-02180-4. PMID: 40069747; PMCID: PMC11899128.
- **Toffan A**, Marsella A, Menconi V, Bertola M. Finfish infectious diseases in the Mediterranean basin: A systematic review with insights on vaccination possibilities. *Fish Shellfish Immunol*. 2025 May;160:110189. doi: 10.1016/j.fsi.2025.110189. Epub 2025 Feb 13. PMID: 39954831.

INTERNATIONAL PROJECTS

AQUAE-STRENGTH: Strengthening capacity on aquatic animal health and epidemiological surveillance. In accordance with the priorities set by the WOAHE Aquatic Animal Health Strategy, the project aims to provide technical assistance to promote: i)•capacity enhance epidemiological surveillance, iv) to limit the use of antimicrobials and VMP in finfish production and to improve diagnostic methods to support diseases detection and control for aquatic animal diseases.

PATHOGELTRAP: New Blue Revolution through a pioneering pathogen-trapping technology based on bioselective hydrogel-forming proteins The project promises to revolutionise infectious disease management practices in fish farming, providing the industry with technology designed to efficiently remove specific pathogens by using a protein gel that captures and traps viruses and bacteria directly in the water.

OIE TWINNING PROJECT IZSVE-IRVT: Improving IRVT diagnostic capacity for Viral Encephalopathy and Retinopathy of marine fish. The project aims at improving the

technical and the managerial skills of Tunisian Veterinary Research Institute for the diagnosis of viral encephalopathy and retinopathy (VER), a severe infectious disease extensively spread in the Mediterranean region.

MedAID: Mediterranean Aquaculture Integrated Development (EU H2020 research project). Research focus: address key factors to improve aquaculture production in the Mediterranean. The project brings together the best aquaculture experts from over 30 organisations from 12 countries.

VetBioNet: Veterinary Biocontained facility Network for excellence in animal infectiology research and experimentation. (EU H2020 research project) Research topic: strengthen the present European capacity and competence to meet the challenges of emerging and re-emerging infectious diseases in animals

Novimark: Identification of virulence markers in two loss-making Novirhabdovirus is the key to improve diagnostic and strategic management in farmed rainbow trout (European Commission ANHIWA 2016-2019). Research focus: In vivo and in vitro pathogenicity evaluation of Novirhabdovirus. Next Generation sequencing on selected VHS/IHN isolates. Validation of newly developed diagnostic assays.

TargetFish: Targeted disease prophylaxis in European fish farming (European Commission FP7 RTD 2012-2017). Research focus: perform VERV/VNN vaccination /challenge trials under controlled conditions; collecting and submitting to relevant partners the tissues identified during the experiments for further investigations.

INNOV-H20: Network for technological innovation in aquaculture (European Cross-border Italian and Slovenian collaboration project 2007-2013) Research focus: Development of innovation technologies from research institutions based on the needs expressed by the aquaculture industry.

NATIONAL PROJECT

RC 13/22: Study on the vertical transmission of immunity and infection by the VER virus in sea bream. (Italian Ministry of Health). Role: Principal Investigator

RC 13/19: In vitro and in vivo characterization of IHNv with different pathogenicity (Italian Ministry of Health). Role: Principal Investigator

RC 09/18: DNA Vaccine against VHSV and IHNv: a safe and innovative tool to fish viral disease in farmed Italian rainbow trout. (Italian Ministry of Health Role: Principal Investigator

RC 08/16: Developing a metagenomic approach to reveal viral etiological agents in unexplained mortality events in freshwater finfish. (Italian Ministry of Health Role: Principal Investigator

RC 09/15: Emerging Viral Encephalo and retinopathy in sea bream (*S. aurata*) in Mediterranean sea: pathogenesis, immunological response and diagnosis (Italian Ministry of Health). Role: Principal Investigator

RC 02/14: The antibody response against betanodavirus in sea bass (*D. Labrax*): development of advanced serological assays (Italian Ministry of Health). Role: Principal Investigator

RC 07/14: Multidisciplinary approach to the study of wild fish population in the Friuli Venezia Giulia Region, (northern Italy): health status, possible pathogen exchange between wild and farmed fish and genetic characteristics (Italian Ministry of Health). Role: Operative Unit

RC 17/13: Infectious pancreatic necrosis virus in the Friuli Venezia Giulia freshwater salmonids farms: farming features and risk factors associated with disease exposure (Italian Ministry of Health). Role: Operative Unit

RC 15/13: Improvement in the production of Manila clams (*T. philippinarum*) and Pacific cupped oysters (*C. gigas*): the influence of pathogens on productivity in different environments and with different farming/harvesting techniques (Italian Ministry of Health). Role: Operative Unit

RC 19/12: Efficacy of domestic cooking on inactivation of enteric viruses (NoV and HAV) in infected manila clams and of different marinading techniques on anisakis larvae inactivation in fish products (Italian Ministry of Health). Role: Operative Unit

RC 21/11: Main health issues related to restocking of marble trouts (*S. trutta marmoratus*) in free waters (Italian Ministry of Health). Role: Principal Investigator

RC 05/11: Molecular basis of Betanodavirus antigenic diversity (Italian Ministry of Health). Role: Principal Investigator

RC IZS PLV 16/10: Development of a surveillance network for monitoring health conditions and well-being of the cetaceans stranded on Italian beaches (Italian Ministry of Health). Role: Operative Unit

RC 07/10: Viral encephalopathy and retinopathy in freshwater and marine fish species: phenotypic and genetic characteristics of parental genotypes and betanodavirus reassortant strains (Italian Ministry of Health). Role: Operative Unit

RC 04/09: strategies for rainbow trout immunization against viral hemorrhagic septicemia (VHS) (Italian Ministry of Health). Role: Operative Unit

RC 06/08: Development and validation of new molecular and immunoenzymatic diagnostic tests to detect the most relevant pathogens of aquatic species (Italian Ministry of Health). Role: Operative Unit

**TEACHING AND OTHER
SCIENTIFIC ACTIVITIES**

2022-2023 BTFS: New EU Animal Health Law- Aquatic Animal (1h teaching, reviewing training materials and activity group tutoring – 4 editions)

2018, 2020, 2023: Course on Viral disease of fish at the University of Padua, Post Degree specialization course of “Allevamento, igiene, patologia delle specie acquatiche e controllo dei prodotti derivati” (10hours of teaching).

2015, 2020, 2021: Course on Viral disease of fish at the University of Milan, Post Degree specialization course of “Allevamento, igiene, patologia delle specie acquatiche e controllo dei prodotti derivati” (10 hours of teaching).

From 2014 to present she tutored 7 degrees/post degrees thesis in collaboration with the University of Padua and Udine (Veterinary Medicine Dept. or Marine Science Dept).

She routinely acts as reviewer for peer review journals of the aquaculture sector.

She is EAFP member from 2014 and from 2017 she is the Secretary of the Italian Society of Fish Pathologist (SIPI). www.sipi-online.it

I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - "European regulation on the protection of personal data"

Legnaro, Padova, Italy