

CURRICULUM VITAE

Giulia Pascon

WORK EXPERIENCE

November 2020 to
January 2024

University – PhD course

- Nutritional value and functional properties of insect meal in fish feed

October 2021 – June 2022

Transversal tutor

Tutoring to support mixed teaching at at DI4A (Department of agricultural, environmental and animal sciences) University study of Udine, via Sondrio 2/a, 33100 Udine

Sector: Orientation and tutoring

September 2019 – January
2020

Laboratory technician

Traineeship at DI4A (Department of agricultural, environmental and animal sciences), University study of Udine, via Sondrio 2/a, 33100 Udine

- Measurement of enzymatic activity of brush border membrane enzymes (alkaline phosphatase, gamma glutamyl tranferase, leucine aminopeptidase, maltase, saccharase, bradford protein), data analysis, and statistical analysis.

Sector: Aquaculture

December 2018 – March
2019

University - student collaboration

200 hours at the humanistic library (Santa Lucia: Monografie e Biblioteca Austriaca, via Mantica, 3 - 33100 Udine) under the supervision of the Doctor Gloria Pellarini.

- Reception, loans, book accommodation, use of the ALMA platform for the unified management of data and functions

Sector: Librarian

November 2017 – March
2018

University - student collaboration

100 hours at the medical library (via Colugna, 44 - 33100 Udine) under the supervision of the Doctor Stefania Ursitti.

- Reception, loans, book accommodation, use of the ALMA platform for the unified management of data and functions

Sector: Librarian

May – September 2017

University - student collaboration

100 hours at the AMCE administrative office of the University of Udine (Via Tarcisio Petracco, 8, 33100 Udine, UD) under the supervision of the Doctor Florindo Ermano.

- Detection of the university heritage

Sector: AMCE (administrative service)

- April - July 2015 **Laboratory technician**
 Traineeship at DIAL (dipartimento of nutrition science) to University study of Udine, via Sondrio 2/a, 33100 Udine
- Chemical analysis of proteins, biochemical analysis, measurement of aquaculture parameters in breeding and fish feeding in agricultural company "A. Servadei" in Pagnacco (UD).
- Sector:** Aquaculture

EDUCATION AND TRAINING

- September - December 2022 **European Programmes for PhD students**
 University of Almeria (SP), Department of Biology and Geology, under the supervision of the full professor Francisco Javier Alarcón López, Project: *In vitro* digestibility of diets supplemented with chitin and lauric acid formulated for juvenile rainbow trout
- From November 2020 (Research Doctorate) **Agricultural Sciences and Biotechnology**
 University of Udine
 Theme of the doctoral project: *Nutritional value and functional properties of insect meal in fish feed*
- From 2016 to 2019 (Master Degree) **Animal Breeding and Welfare** 110 L /110
 University of Udine
 Knowledge of basic scientific sectors: Animal nutrition and breeding, formulation of rations and food plans for farm animals, domestic pets and for aquaculture, management of wild animals, planning of zootechnical constructions and plants.
 Thesis: Effects of the dietary inclusion of biomass from microalgae consortium and *Nannochloropsis* spp. on the zootechnical performance and gut physiology of European sea bass (*Dicentrarchus labrax*)
- 2018 – 2019 **Teaching qualification 24 CFA**
 Knowledge of anthropological, psycho-pedagogy disciplines and teaching methodologies and technologies.
- June – July 2018 **Erasmus + Traineeship**
 IFREMER (Institut français de recherche pour l'exploitation de la mer) in Palavas les Flots (FR) under the supervision of the Doctor Cyrille Przybyla.

From 2012 to 2016 (Bachelor Degree) **Animal Health and Breeding** 104/110
University of Udine

Knowledge of basic scientific sectors: principles of anatomy, physiology, general pathology, microbiology and infectious and parasitic diseases; animal nutrition, feeding and breeding; genetics and genetic improvement of animals; management of agro-zoo technical companies; hygiene/sanitary management of farms; reproductive aspects; breeding of aquatic organisms, poultry and rabbit species and fauna.

Thesis: Effect of sonication on the nutrient digestibility of *Chlorella sorokiniana* in rainbow trout (*Oncorhynchus Mykiss*)

September – October 2015 **Erasmus + thesis research**
Universidade do Oporto (PT) at the CIIMAR (Centro Interdisciplinar de Investigação Marinha e Ambiental) under the supervision of the Professor Luisa Valente.

From 2007 to 2012 **Hotel-management school** 97/100
IPSSAR “A. Beltrame” Technical institute for Hotel Management in Vittorio Veneto (TV)
Food science, economy, catering management, German and English.

February 2010 – April 2011 **Comenius IPSSAR Beltrame and Stockholms Hotell & Restaurangskola**
European intercultural exchange project

PERSONAL SKILLS

Mother tongue Italian

Other language English

| UNDERSTANDING | | SPEAKING | | WRITING |
|---------------|---------|--------------------|-------------------|---------|
| Listening | Reading | Spoken interaction | Spoken production | |
| B2 | B2 | B2 | B2 | B2 |
| A1 | A1 | A1 | A1 | A1 |

Other language
Spanish and German

Computer, techniques skills Good command of office suite (word, excel, PowerPoint);
Good command of IBM SPSS Statistics for data analysis

Driving licence B

ADDITIONAL INFORMATION

Publications

B. Ajdini, I. Biancarosa, G. Cardinaletti, S. Illuminati, A. Annibaldi, F. Girolametti, M. Fanelli, **G. Pascon**, M. Martinoli, F. Tulli, T. Pinto, C. Truzzi et al. The use of seaweed as sustainable feed ingredient for the house cricket (*Acheta domesticus*): investigating growth performance and nutritional composition. Submitted in J. Insects as Food Feed.

Pascon, G., Daniso, E., Cardinaletti, G., Messina, M., Campagnolo, F., Zuccaccia, D., Tulli, F., 2024. Postprandial kinetics of digestive function in rainbow trout (*Oncorhynchus mykiss*): genes expression, enzymatic activity, and blood biochemistry as a practical tool for nutritional studies. *Comp Biochem Physiol A Mol Integr Physiol* 288, 111559. <https://doi.org/10.1016/J.CBPA.2023.111559>

Ratti, S., Zarantoniello, M., Chemello, G., Giammarino, M., Palermo, F.A., Cocci, P., Mosconi, G., Tignani, M.V., **Pascon, G.**, Cardinaletti, G., Pacetti, D., Nartea, A., Parisi, G., Riolo, P., Belloni, A., Olivotto, I., 2023. Spirulina-enriched Substrate to Rear Black Soldier Fly (*Hermetia illucens*) Prepupae as Alternative Aquafeed Ingredient for Rainbow Trout (*Oncorhynchus mykiss*) Diets: Possible Effects on Zootechnical Performances, Gut and Liver Health Status, and Fillet Quality. *Animals* 2023, Vol. 13, Page 173 13, 173. <https://doi.org/10.3390/ANI13010173>

Messina, M., Iacumin, L., **Pascon, G.**, Tulli, F., Tibaldi, E., Cardinaletti, G., 2023. Effect of feed restriction and refeeding on body condition, digestive functionality and intestinal microbiota in rainbow trout (*Oncorhynchus mykiss*). *Fish Physiol Biochem* 49, 169–189. <https://doi.org/10.1007/S10695-023-01170-Z>

Pascon, G., Messina, M., Petit, L., Valente, L.M.P., Oliveira, B., Przybyla, C., Dutto, G., Tulli, F., 2021. Potential application and beneficial effects of a marine microalgal biomass produced in a high-rate algal pond (HRAP) in diets of European sea bass, *Dicentrarchus labrax*. *Environ Sci Pollut Res Int* 28, 62185–62199. <https://doi.org/10.1007/S11356-021-14927-X>

Scientific presentations at
National and International
Conferences

ORAL COMMUNICATION – **Pascon G.** “Effect of dietary chitin on growth performance, nutrient utilization and metabolic response in rainbow trout (*O. mykiss*): an *in vivo* and *in vitro* study” Higher education for sustainable food production – 5th Joint Meeting of Agriculture-oriented PhD Programs UniCT, UniFG and UniUD, October 2023, Catania (CT).

ORAL COMMUNICATION – **Pascon G.**, Cardinaletti G., Messina M., Enrico D., Tibaldi E., Basilio R., Tulli F. “Use of edible insects in aquafeeds: effect of chitin on nutrient utilization and metabolic response in rainbow trout (*Oncorhynchus mykiss*)” 25^o National congress of ASPA (Associazione per la Scienza e le Produzioni Animali) June 2023, Monopoli (BA)

ORAL COMMUNICATION – **Tulli F.**, Pascon, G., Cardinaletti G. “Insect derived products in fish feeding: factors to consider” Proc. XVII FENACAM’22, November 2022, Natal (Brasil).

ORAL COMMUNICATION – **Pascon G.** “Use of edible insects in aquafeeds: effect of chitin on nutrient utilization and metabolic response in rainbow trout (*Oncorhynchus mykiss*)” Higher education for sustainable food production – 4th Joint Meeting of Agriculture-oriented PhD Programs UniCT, UniFG and UniUD, October 2022 Paluzza (UD)

POSTER – **Pascon G.** “Dietary chitin level affects nutrient digestibility and plasma enzymes and metabolites in rainbow trout (*Oncorhynchus mykiss*)” Aquaculture Europe September 2022, Rimini (IT).

POSTER – Messina M., **Pascon G.**, Daniso E., Tibaldi E., Tulli F. “Evaluation of chitinolytic activities in the digestive tract of European seabass (*Dicentrarchus labrax*)”. XX International symposium on fish nutrition and feeding – towards precision fish nutrition and feeding, Sorrento (Italy), 5th - 9th June 2022.

ORAL COMMUNICATION – **Pascon G.** “Nutritional value and functional properties of insect meal in fish feeds” Higher education for sustainable food production - 3rd Joint Meeting of Agriculture-oriented PhD Programs UniCT, UniFG and UniUD, September 2021 Giovinazzo (BA).

ORAL COMMUNICATION – **Pascon G.**, Messina M., Petit L., Valente L.M.P., Oliveira BM, Przybyla C., Dutto G., Tulli F. “Marine microalgal biomass from fish farming effluents: potential application in aquafeeds” 24^o National congress of ASPA (Associazione per la Scienza e le Produzioni Animali), June 2021 Padova (PD)

POSTER – **Pascon G.**, Messina M., Petit L., Valente L.M.P., Batista S., Przybyla C., Dutto G., Tulli F.

“Potential application of a microalgal biomass produced by IMTA system in feeds for European Seabass” Aquafarm 2020, February 2020 Pordenone (PN)

- Conferences and seminars
- “Fare impresa nell’agroalimentare: donne in azione” (2 hours), 13 November 2023, University of Udine, Udine (UD)
- “Imprenditorialità: dalla ricerca alla start-up” (20 hours), 23-25 October 2023, University of Udine, Udine (UD)
- “Winter school 2023 Statistics with R” (24 hours online), April-May 2023, University of Udine, Udine (UD)
- Aquafarm 2023, 15-16 February 2020, Pordenone (PN)
- “Winter School 2022 in Lab Techniques” (23 hours), May 2022, University of Udine, Udine (UD)
- “English for Academic Purposes – EAP” (40 hours online), October-March 2021 – 2022, University of Udine, Udine (UD)
- “Insects as feed and food” (35 hours online), 12-16 July 2021, University of Pisa, Pisa (PI)
- “Determinazione della astaxantina” (2 hours online), 8 July 2021, CREA Monterotondo (RM)
- “Determinazione delle ammine biogene” (2 hours online), 6 July 2021, CREA Monterotondo (RM)
- “New feeds and feeding technologies in Aquaculture” (25 hours online), June 2021, CIHEAM Zaragoza, Zaragoza (SP)
- “Formazione del personale coinvolto nelle attività di sperimentazione animale” (20 hours online), 3-28 May 2021, University of Trieste, Trieste (TS)
- “Fine Feed For Fish (4F) - Qualità e sostenibilità economica del pesce allevato” (5 hours online), 29-30 April 2021, Fondazione in rete per la ricerca agroalimentare, Milano (MI)
- “Allevamento degli insetti: un’alternativa sostenibile. Prospettive, opportunità e problematiche per le aziende agricole” (3 hours online), 16th April 2021, Confagricoltura, Milano (MI)
- Winter School 2021 in System Biology (16 hours), March 2021 University of Udine, Udine (UD)
- “Servizi Ecosistemici, Zootecnia e Sostenibilità” (1 hour online), ASPA University of Sassari, 4th February 2021
- “One Welfare Agricoltura relazionale per l'empowerment di comunità. Ricerca/azione per una zootecnia sostenibile. Esperienze di agricoltura sociale”, (7 hours online), Azienda Sanitaria Universitaria Friuli Centrale, 4th February 2021, Udine (UD)

“3 anni, 3R” (3 hours online), 2nd February 2021, Centro 3R, Pisa (PI)

“Utilizzo di fonti proteiche innovative nell'alimentazione animale” (1 hour online), ASPA University of Sassari, 28th January 2021

“Innovation to support fish welfare” (2 hours online), European aquaculture technology and innovation platform, Angleur (BEL), 26th November 2020

Aquafarm 2020, 19-20 February 2020, Pordenone (PN)

Aquaculture Europe 2018, August 2018 Montpellier (FR)

Insect4feed, March 2017, University of Torino, Grugliasco (TO)

Awards

Assalzoo Award 2020 for the Master's Degree with masters' thesis title “Effects of the dietary inclusion of biomass from microalgae consortium and *Nannochloropsis* spp. on the zootechnical performance and gut physiology of European sea bass (*Dicentrarchus labrax*)”

Third place (kitchen sector) at National Competition for Hotel Schools in Giarre (Catania) on May 2011.

Update date: January 2024

I authorize the processing of my personal data pursuant to Legislative Decree 101/2018 and art. 13 GDPR (EU Regulation 2016/679) for the purposes of personnel research and selection.