

PERSONAL INFORMATION


Eslam Tefal

📍 Egypt

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Sex Male | Date of birth 20 January 1992 | Nationality Egyptian

WORK EXPERIENCE

26 Jun 2025 – Present	ICDL Certified Trainer Certified Trainer in ICDL Programs Qualified to deliver and assess ICDL digital skills modules according to international standards
26 Jun 2025 – Present	Certified Digital Transformation Trainer Accredited Trainer in Digital Transformation and Digital Skills Development Experienced in delivering practical training programs supporting digital literacy and institutional digital transformation
26 Jun 2024 – Present	Scientific Peer Reviewer Main activities and responsibilities: - Reviewing scientific articles for international peer-reviewed journals (Aquaculture, Animals, Aquaculture Nutrition, etc). - Providing critical evaluation on research quality, methodology, and relevance. - Ensuring academic rigor and contributing to the publication decision-making process. Sector: Research / Academic Publishing (aquaculture and animal nutrition).
26 Jun 2024 – Present	Lecturer Animal and Poultry Production Department of, Faculty of Agriculture, Damanshour University, Egypt. Postal code: 22516
01 March 2023- 31 Dec 2024	Product Manager Aquaculture BIÖNTE NUTRITION S.L., BIÖNTE is a spin-off of Andrés Pinaluba S.A. (APSA), a company specialized in MYCOTOXINS founded by D. Andrés Pinaluba Esporrín in the city of Reus in 1978.
26 Sep 2019 – 22 Mar 2024	Ph.D. Fellow Department of Animal Science - University Institute of Animal Science and Technology, Valencia Polytechnic University (UPV)
11 July 2017 – 22 March 2024	Assistant Professor Animal and Poultry Production Department of, Faculty of Agriculture, Damanshour University, Egypt. Postal code: 22516
2 Dec. 2014 – 10 July 2017	Demonstrator Animal and Poultry Production Department of, Faculty of Agriculture, Damanshour University, Egypt. Postal code: 22516

EDUCATION

26 Sep 2019 – 22 Mar 2024	Ph.D. Official University Degree of Doctor - Universitat Politècnica de València, grade of Excellent. Title: Evaluation of organic plant and animal ingredients for fish feeding. Doctoral Programme in Animal Production Science and Technology. Department of Animal Science - University Institute of Animal Science and Technology, Valencia Polytechnic University (UPV). My doctoral thesis is on ecological feed for the most common fish in Spain, such as trout, sea bass, and sea bream, for organic and more sustainable aquaculture.
July 2016 – 15 Dec 2017	International Master of Science in Animal Nutrition with Cum Laude Title: Replacement of fishmeal by a mixture of vegetal proteins in Rainbow trout diets (<i>Oncorhynchus mykiss</i>): effects on growth and intestinal health. The master's in animal nutrition is an official master of two years' duration (120 ECTS), delivered in Zaragoza and jointly organized by The Mediterranean Agronomic Institute of Zaragoza (IAMZ-CIHEAM), the University of Zaragoza (UZ) and the Spanish Foundation for the Development of Animal Nutrition (FEDNA), with the collaboration of the Polytechnic University of Madrid (UPM).
September 2015- July 2016	Postgraduate Specialization Diploma in Animal Nutrition with Cum Laude The Mediterranean Agronomic Institute of Zaragoza (IAMZ-CIHEAM)
September 2009 - June 2013	Bachelor of Agricultural Science Department of Animal and Poultry Production, Faculty of Agriculture, Damanshour University, Egypt.

PERSONAL SKILLS

Mother tongue(s) Arabic

Other language(s)

UNDERSTANDING	SPEAKING	WRITING
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	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Spanish	B2	B2	B2	B2	B2

Communication skills

- Certificate in **Communication skills**
- Certificate in **Analysis of Human Behaviour Diploma**.
- Certificate in **Communication Skills & Memory Methods Diploma**.
- Certificate for **Trade and Manufacturing**.
- Certificate in **Effective Presentation Skills**.
- Certificate in **Quality Standards in the Teaching process**.
- Certificate in **Managing Research Teams**.
- Certificate in **Intellectual Property Rights**.
- Certificate in **Competing for Research Funds**.
- Certificate in **Quality Standards in the Learning Process**.

Training & courses

- Specific Training in Sensory Food Analysis (gilthead seabream) (**Zaragoza University**). 10 h
- **Animal experimentation. Functions A+B+C. General theoretical and practical modules in lagomorphs, rodents, small ruminants, and fish** (Valencia Polytechnic University). 101 h
- Specific Training in Sensory Analysis of Foods (shrimp) (**Zaragoza University**). 10 h
- **New feeds and feeding technologies in aquaculture** (CIHEAM Zaragoza - IAMZ). 33 h
- **Basic Aquaculture Course – SOY Excellence Center**
- **Be an Ambassador** initiative is a national program launched by **Egypt's Ministry of Planning and Economic Development** in collaboration with the **National Institute for Governance and Sustainable Development (NIGSD)**.

Scientific & research skills

- **Scientific communication*** high standards for scientific production and communication
- **Scientific documentation**.
- **Research career**.
- **Statistics and mathematical methods for research*** introduction to statistical techniques for research.
- **Numerical Methods with MATLAB**.
- **Rewriting science. How to avoid errors in written and spoken scientific English**.
- **Gender perspective in research**.
- **Methodologies for research**.
- **Ethics in research**.
- **The transfer of knowledge**.
- **Scientific search engines: Google Scholar**.
- **Effective time management**.
- **How to search for scientific information for your work**.
- **Generate screencast videos and teaching videos for your academic work**.
- **Concept maps: learning resource**.
- **Applications of Artificial Intelligence in Scientific Research and Performance Evaluation**.

Lab Skills

- Determination of nutrients in feed samples by chemical analysis.
- Determination of Lipids, Proteins, and Fibers
- Mycotoxins Analysis.
- Feed evaluation and protein requirement systems.
- Chemical composition of feeds and the animal body
- Histological analyses
- Determination of digestibility in vitro and in vivo
- Assays In vivo and In vitro
- Biochemical analyses
- Microbiota analyses
- Fundamental aspects of the analysis of biogenic elements
- Classification of feeds by their composition
- Fractioning of the cell wall: neutral detergent fiber, acid detergent fiber, and lignin
- Physical characteristics of feeds: particle size and density, water retention capacity, feed solubilization, intrinsic osmotic pressure, and buffering capacity
- Relationship between chemical composition and physical characteristics of feeds.
- Texture profile analysis test (TPA)
- Sensorial analysis: complete sensorial profile of cured and cooked meat products conducted in a tasting room.

Computer and MS Office skills

- **Certificate in Digital Transformation-Faculty and Leadership Development Center (FLDC), Alexandria University**
- **Certificate in ICDL** (International Computer Driving Licence) - **ECDL Foundation**.
- **Certificate in Effective Presentation Skills** - **Faculty and Leadership Development Center (FLDC), Damanhour University**.
- Proficient in the operating system Windows.
- Familiarity with computer networking concepts
- Competent in using cloud storage and collaboration tools like Google Drive, Dropbox, etc.
- **MS Office Skills:**
- **Microsoft Word:**

Publications, Presentations, Projects, Conferences

- Advanced formatting and document layout.
- Mail merge and template creation.
- Table creation and manipulation.
- **Microsoft Excel:**
- Data analysis and visualization using pivot tables and charts.
- Advanced functions and formulas.
- **Microsoft PowerPoint:**
- Designing engaging presentations with custom layouts and animations
- Incorporating multimedia elements like audio and video
- Mastering slide transitions and timings
- **Microsoft Outlook:**
- Managing email communication and organizing inbox.
- Scheduling meetings and appointments using the calendar feature.
- Creating and managing contact lists.

References

- Sallam, G.R., Tefal, E., Fahmy, A.F. et al. Salinity and stocking density effects on growth, physiology, and reproduction of Florida red tilapia (*Oreochromis aureus* × *Oreochromis mossambicus*) in biofloc systems. *Aquacult Int* 34, 310 (2026). <https://doi.org/10.1007/s10499-026-02698-6>
- Mohammed F. El Basuini, Akram Ismael Shehata, Majeeda Rasheed, Minerva Abdullah Galal, Abdelaziz M. El-Hais, Ali A. Soliman, Islam I. Teiba, Mayada Alhoshy, Ahmed A. Gabr, Mahmoud S. Gewaily, Eslam Tefal, Combined effects of dietary licorice (*Glycyrrhiza glabra*) and ginger (*Zingiber officinale*) on growth performance, intestinal and hepatic health, antioxidant status, and gut microbiota composition in grey mullet (*Liza ramada*). *Aquaculture and Fisheries*, 2026, ISSN 2468-550X. <https://doi.org/10.1016/j.aaf.2026.03.002>
- Sallam, G.R., Hamdy, M., El Basuini, M.F. et al. Optimizing salinity and stocking density for red tilapia in zero-water-exchange biofloc system: integrated performance, physiological, and economic assessment. *Sci Rep* 15, 44127 (2025). <https://doi.org/10.1038/s41598-025-28812-x>
- Shehata, A. I., Tefal, E., Elmaghraby, A. M., Amer, A. A., Teiba, I. I., Alhoshy, M., Gewaily, M. S., Guo, Z., Li, S., & El Basuini, M. F. (2025). Evaluation of Silymarin–L-Carnitine as a Dietary Supplement on Growth Performance, Antioxidants and Immunity, Gut/Liver Health, and Gene Expression in Nile Tilapia (*Oreochromis niloticus*). *Fishes*, 10(11), 580. <https://doi.org/10.3390/fishes10110580>
- Candela-Maldonado Y, Megder I, Tefal E, Peñaranda DS, Martínez-Llorens S, Tomás-Vidal A, Jover-Cerdá M, Jauralde I. Four Organic Protein Source Alternatives to Fish Meal for Pacific White Shrimp (*Penaeus vannamei*) Feeding. *Fishes*. 2025; 10(8):384. <https://doi.org/10.3390/fishes10080384>
- Sallam, Ghada R., Walled M. Fayed, Mohamed Alaa, Mohamed Fayek, Islam I. Teiba, Mayada Alhoshy, **Eslam Tefal**, Mohammed F. El Basuini, and Akram Ismael Shehata. "Fertilization sources fallout: Unveiling the impacts on growth, metal accumulation, and physiological responses in Nile Tilapia, *Oreochromis niloticus*." *Aquaculture* 598 (2025): 741987. <https://doi.org/10.1016/j.aquaculture.2024.741987>
- Tefal, Eslam, David S. Peñaranda, Silvia Martínez-Llorens, Ana Tomás-Vidal, Ignacio Jauralde, Luis Lagos, Francisco Javier Moyano, Miguel Jover-Cerdá, Feeding of rainbow trout (*Oncorhynchus mykiss*) with organic ingredients replacing fish meal, *Aquaculture*, Volume 592, 2024, 741257, ISSN 0044-8486. <https://doi.org/10.1016/j.aquaculture.2024.741257>
- Tefal, E., Tomás-Vidal, A., Martínez-Llorens, S., Jauralde, I., Sánchez-Peñaranda, D., & Jover-Cerdá, M. (2023). Effects of Eco-Organic Feed on Growth Performance, Biometric Indices, and Nutrient Retention of Gilthead Seabream (*Sparus aurata*). *Sustainability*, 15(14), 10750. <https://doi.org/10.3390/su151410750>
- Tefal, E., Jauralde, I., Martínez-Llorens, S., Tomás-Vidal, A., Millán-Sorribes, M. C., Moyano, F. J., ... & Jover-Cerdá, M. (2023). Organic Ingredients as Alternative Protein Sources in the Diet of Juvenile Organic Seabass (*Dicentrarchus labrax*). *Animals*, 13(24), 3816. <https://doi.org/10.3390/ani13243816>
- Tefal, E., Jauralde, I., Tomás-Vidal, A., Martínez-Llorens, S., Peñaranda, D. S., & Jover-Cerdá, M. (2023). New Organic Raw Materials for Gilthead Seabream (*Sparus aurata*) Feeding and the Effects on Growth, Nutritive Parameters, Digestibility, and Histology. *Fishes*, 8(6), 330. <https://doi.org/10.3390/fishes8060330>
- **Oral Communication.** Evaluación del efecto en el crecimiento y microbiota intestinal de una producción ecológica en trucha arco iris (*Oncorhynchus mykiss*). Eslam Tefal, Ana Tomás-Vidal, Ignacio Jauralde-García, Ignacio Giménez, Jose Vicente Roig-Genoves, Andrés Moñino-López, Silvia Martínez-Llorens, Miguel Jover Cerdá, David Sanchez Peñaranda. XVIII Congreso Nacional de Acuicultura celebrado en **Cádiz 2022**.
- **Oral Communication.** Efecto de la alimentación con piensos ecológicos sobre la histología intestinal y hepática en lubina (*Dicentrarchus labrax*). Eslam Tefal, María Consolación Millán, Silvia Martínez-Llorens, David S. Peñaranda, Miguel Jover Cerdá, Ana Tomás-Vidal. XVIII Congreso Nacional de Acuicultura celebrado en **Cádiz 2022**.
- **Poster Communication.** Development of sensory profiles for farmed white shrimp (*L. vannamei*) fed with ecological alternative protein sources. E. Tefal, A. Tomas-Vidal., A. Honrado, P. Marquina, M. Jover-Cerda, J.A. Beltran and J. Calanche. The 50th Western European Fish Technologists Association (WEFTA), **Rotterdam, Netherlands 2022**.
- **Poster Comunicación.** Pienso para dorada con ingredientes 100% ecológicos. E. Tefal, A.V. Moñino-López, I. Jauralde, R. Monge, S. Martínez-Llorens, A. Tomás-Vidal & M. Jover-Cerdá. **VIII Congreso Ibérico de Ictiología, Santiago de Compostela**
- **Poster Communication.** Evaluación Nutritiva de Ingredientes Ecológicos en Pienso para Dorada *Sparus aurata*. Eslam Tefal1,2, Mª Jesús Aznar García3, Silvia Martínez-Llorens1, David S. Peñaranda1, Miguel Jover Cerdá1, Francisco Javier Moyano Lopez3, Ana Tomás-Vidal1. XVIII Congreso Nacional de Acuicultura celebrado en **Cádiz 2022**
- **Comunicación PÓSTER.** Cambios percibidos por el consumidor en la calidad sensorial de trucha arcoíris alimentada con piensos ecológicos. AEPAS 2022
- **Comunicación Oral.** Composición Lipídica Y Calidad Sensorial De Trucha Arcoíris Alimentada Con Pienso Ecológicos. XI Congreso Nacional CYTA-CESIA
- **Comunicación PÓSTER.** Eficacia Nutritiva de Pienso Ecológicos en El Preengorde De Dorada. XIV Congreso Internacional De Seae De Agricultura Ecológica.
- **Comunicación PÓSTER.** Crecimiento De La Lubina Con Pienso Ecológicos. XIV Congreso Internacional De Seae De Agricultura Ecológica.
- **Comunicación PÓSTER.** Crecimiento Del Langostino Blanco Con Pienso Ecológicos. XIV Congreso Internacional De Seae De Agricultura Ecológica.
- **Comunicación PÓSTER.** Crecimiento de la trucha arco-iris con piensos ecológicos. X Foro Iberoamericano de los Recursos Marinos y la Acuicultura On line.

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