

PERSONAL INFORMATION

Markos Kolygas

 Dioikitiriou 31, 50200 Ptolemaida (Greece)

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Sex Male | Date of birth 09/04/1981 | Nationality Greek

EDUCATION AND TRAINING

- 01/02/2012–25/03/2018 **Veterinary Medicine (DVM)** EQF level 6
University of Thessaly, School of Health Sciences- Faculty of Veterinary Medicine, Karditsa (Greece)
- 24/05/2015–06/06/2015 **AQUAVET® II, Comparative Pathology of Aquatic Animals** EQF level 6
Cornell University, College of Veterinary Medicine, microbiology and Immunology. C5181 Vet Medical Center Ithaca, Ithaca, New York (United States)
- 01/06/2011–30/03/2015 **Doctorate, in Fish Parasitology and Medicine. Supervisor: Athanassopoulou Foteini, MSc, PhD, MRCVs, dipECAAH, President of the European College of Aquatic Animal Health** EQF level 8
Laboratory of Ichthyology, Fish Diseases and Aquaculture, Faculty of Veterinary Medicine, University of Thessaly, Karditsa (Greece)
- Quantitative & qualitative research on fisheries parasitic load (Protozoa, Copepods, Cestodes, Nematodes, Monopisthocotyles, Polyopisthocotyles & Digenea).
 - Screening of several Salicylalinides as potential ecto- antiparasitic drugs
 - Pharmacological and pharmacodynamical profile of the above drugs on fish's muscle tissues.
 - Determination of safe dosages, mode of toxicity, catabolism and excretion pathways of the above substances.
- 01/09/2010–24/06/2011 **Certificate of Pedagogical and Teaching Competence, First Honours Degree (8.5)** EQF level 6
School of Pedagogical and technological Education, Ioannina (Greece)
- 01/09/2008–27/06/2010 **Master's degree. Field of Study «Aquatic Animal Health».** EQF level 7
University of Thessaly, School of Health Sciences- Faculty of Veterinary Medicine (Greece)
- 01/09/2003–31/05/2007 **•B.Sc-Tech. Ichthyologist , First Class Honours Degree (8.53)** EQF level 6
Technological Educational Institute of Epirus, Faculty of Aquaculture & Fisheries, Igoumenitsa (Greece)
- 26/04/2015–30/04/2015 **Fish Immunology/Vaccination Workshop. (1,5 ECTS)** EQF level 6
Wageningen Institute of Aquatic Animal Sciences by the Cell Biology & Immunology Group., Wageningen (Netherlands)

WORK EXPERIENCE

- 11/04/2018–Present **Aquatic animal health professional**

Philosofish
Larymna Fthiotidas, 35012 Larymna (Greece)
www.philosofish.eu

Business or sector Aquaculture (Mediterranean species)

- 01/04/2015–31/10/2015 **Recognised Researcher (R2)**
University of Thessaly, School of Health Sciences, Faculty of Veterinary Medicine, Karditsa (Greece)
Research Title: FISH-ANTIMICROBIALS: «Use of antimicrobial substances for the prevention and therapy of common diseases in aquacultured fish species and evaluation of their efficacy and safety».
Code: **4636** "Competitiveness and Innovation" (**EPAnEK**) Operational Programme of the Partnership and Cooperation Agreement (NSRF) for the period 2007-2013.
- 01/06/2011–31/05/2014 **First Stage Researcher (R1)**
University of Thessaly, School of Health Sciences, Faculty of Veterinary Medicine, Karditsa (Greece)
Operational Program for Education and Lifelong Learning
"Strengthening human resources through implementation of PhD" .
Co-funded by the European Social Fund (2011). Program: Heraclitus II, NSRF 2007-2013
- 29/10/2007–31/05/2011 **Ichthyologist, Deputy Manager**
Nireus Aquaculture S.A., Athens (Greece)
Sea Bass & Sea Bream nursery station. Department of Ragios, Igoumenitsa, Prefecture of Thesprotia.
- 04/07/2007–25/10/2007 **Ichthyologist**
Selonta Aquaculture S.A., Athens (Greece)
Sea Bass & Sea Bream on- Growing Stations, Department of TRITON M.E., Lorida Sagiadas.
- 25/05/2005–25/11/2005 **Clinical Research Associate (CRA), Work Placement**
PFIZER LTD, Pharmaceuticals, Kent (United Kingdom)
Department of Veterinary Medicine, Research and Development of Candidate Vaccines.

PERSONAL SKILLS

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
State certificate of Foreign Language Proficiency- (regist. No: 159887/KB)					
Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user Common European Framework of Reference for Languages					
Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem-solving

Proficient user	Proficient user	Proficient user	Independent user	Proficient user
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Digital skills - Self-assessment grid

University of Cambridge- International Diploma in IT Skills (Standard)

ADDITIONAL INFORMATION

Teaching experience

■ 2018 – 2019

"Academic Acquisition of Teaching Experience of PostDoc Fellows". University of Thessaly, School of Life Sciences, Faculty of Veterinary Medicine, postgraduate teaching subjects:

2nd Term: Teaching Subject: "**Ecology**". Theoretical Lectures (13h), Tutorials and practical/clinical classes (13h). **ECTS:1.**

5th Term: Teaching Subject: "**Breeding/Pathology of aquatic Animals (exc. fish)**". Theoretical Lectures (13h), Tutorials and practical/clinical classes (0h). **ECTS:1.**

■ 2015 – 2016

Teaching in Master's Degree «Aquaculture- Aquatic Animal Health», University of Thessaly, School of Life Sciences, Faculty of Veterinary Medicine, in partnership with Technological Educational Institute of Epirus, Faculty of Agricultural Technology:

Section «Infectious Diseases of Fish I (Bacteria)», B' Semester (Spring Courses), during: 18/10/2015 – 18/10/2015, 4 hours teaching (**Sampling & Fish Necropsies**)

Section «Infectious Diseases of Fish II (Parasites)», B' Semester (Spring Courses), during: 15/11/2015 – 15/11/2015, 8 hours teaching (**Metazoan Parasites**)

Section «Special Lectures- Seminars», B' Semester (Spring Courses), during: 16/1/2016 – 17/1/2016, 18 hours teaching (**Haematology/ Biochemical Analysis/ Stains/ Therapies/ Drug Dosage Calculation/ Virology- wet labs**)

Section «Thesis and Applied Laboratory Techniques», C' Semester (Fall Courses), during: 13/5/2016 – 13/5/2016, 4 hours teaching (**Instructions for Authors/Thesis Thematologies**)

■ 2012 – 2013

Teaching in Master's Degree «Aquaculture- Aquatic Animal Health», University of Thessaly, School of Life Sciences, Faculty of Veterinary Medicine, in partnership with Faculty of Aquaculture and Fisheries, Technological Educational Institute of Epirus:

Section «Special Lectures», A' Semester (Fall Courses), during: 16/12/2012 – 16/12/2012, 7 hours teaching (**Microbiology**) 21/12/2012 – 22/12/2012, 8 hours teaching (**Marine Ecto-parasites**) 21/12/2012 – 21/12/2012, 10 hours teaching (**Marine Endo-parasites**)

Section «Aquaculture Systems», B' Semester (Spring Courses) during: 09/03/2013 – 09/03/2013, 5 hours teaching (**Occurrence of Infectious Diseases in Aquaculture**)

Section «Alternative Aquaculture Implementations», C' Semester (Fall Courses) during: 17/11/2013 – 17/11/2013, 4 hours teaching (**Aquatic Animal Health- Alternative Therapies**)

Publications

1. Kliaoudatos D., Perdikaris K., Nathanailides K., **Kolygas M.N.**, Athanassopoulou F. (2019). Metabolic differentiation of diploid and triploid European sea bass juveniles. International Aquatic Research (**Q3 Scimago**) (DOI 10.1007/s40071-019-0229-6).

2. Katsanevakis S., Tsirintanis K., Tsaparis D., Doukas D., Sini M., Athanassopoulou F., **Kolygas M.N.**, Tontis D., Koutsoubas D and Bakopoulos V. (2019). The cryptogenic parasite Haplosporidium pinnae invades the Aegean Sea and causes the collapse of Pinnac nobilis populations. Aquatic Invasions 14(2): pp150-164. (**Q2 Scimago**).

3. Bakopoulos V., Nikolaidis A., **Kolygas M.N.**, Athanassopoulou F. (2018). Contribution to the Parasites and Associated Pathology of wild Serranidae from the Aegean Sea. Journal of the Hellenic Veterinary Medical Society, 68(4):599 (**Q4 Scimago**)

4. Bakopoulos V., Tsepa E., Diakou A., Kokkoris G., **Kolygas M.N.**, Athanassopoulou F. (2017). Parasites of Scyliorhinus canicula (Linnaeus, 1758) in the north-eastern Aegean Sea. Journal of the

Marine Biological Association of the United Kingdom. DOI: 10.1017/S0025315417001552. (Q2 Scimago)

5. Gourzioti E., **Kolygas M.N.**, Athanassopoulou F., Babili V. (2016). Tenacibaculosis in aquaculture farmed marine Fish. Journal of Hellenic Veterinary Medical Society. 67(1), pp. 21-32. (Q4 Scimago)

6. **M.N. Kolygas**, E. Gourzioti, I.N.Vatsos and F. Athanassopoulou (2012). Identification of Tenacibaculum maritimum strains from marine farmed fish in Greece. Veterinary Record, Vol 170 (24), pp.623. (Q2 Scimago)

7. Marianthi Simeonidou, Ioannis Paschos, Evangelia Gouva, **M. N. Kolygas**, and Costas Perdikaris (2012). Performance of a small-scale modular aquaponic system. AACL Bioflux 5 (4), pp.182-188. (Q3 Scimago)

8. Raue R., Kanellos T., **Kolygas M. N.**, Xylouri E. (2008). Phylogenetic analysis of vaccinal and wild type European strains of Feline Calicivirus. Journal of the Hellenic Veterinary Medical Society. 59(4), pp. 332-340. (Q4 Scimago)

Presentations

- 1. Karayiannis P., **Kolygas M.N.**, Kanlis G., Logothetis P., Anastasiou S., Athanassopoulou F., Nathanailides C. (2017) Fat content and muscle tissue cellularity of trouts between two different livestock sites on Northern Greece. 6th Pan-Hellenic Conference of Animal Production Technology, 2017, February 3, Thessaloniki.
- 2. Karayiannis P., **Kolygas M.N.**, Kanlis G., Logothetis P., Anastasiou S., Athanassopoulou F., Nathanailides C. (2017) Activity of lactate dehydrogenase (LDH) and proximate composition of chicken breast fillets from two different farms of Epirus. Pan-Hellenic Veterinary Conference "Meat and its' products", Chapter IX.03: 321-322. 2017, Thessaloniki 3-5 February.
- 3. Oyreilidis K., Ragias B., Vatsos I. N., Fasseas K., **Kolygas N. M.**, Athanassopoulou F. (2016). *Polymorphus ardeae* Belopolskaja, 1958 (Acanthocephala) infection in sea bass (*Dicentrarchus labrax* Linnaeus, 1758) in Greece. Aquaculture 2016. Scotland
- 4. Athanassopoulou F., M. Yiagnisis, M. Mante, **M. N. Kolygas**, E. Gourzioti, Y.P. Kotzamanis. (2016). Effect of Dietary Supplementation with Oregano (*Oraganum vulgare hirtum*) and Rosemary (*Rosmarinus officinalis*) Essential Oils on Fish Parasites in Gilthead Sea Bream (*Sparus aurata* L.) and European Sea Bass (*Dicentrarchus labrax* L.). Aquaculture 2016. Scotland.
- 5. Yiagnisis M., **Kolygas N. M.**, Athanassopoulou F. (2016). Effects of Oregano oil on *Enteromyxum leei* (Myxozoa) Infection on Gilthead Sea Bream (*Sparus aurata* L.). Aquaculture 2016. Scotland.
- 6. Antonios I. Tzimourtos, **Markos N. Kolygas**, Dimitrios Anastasiadis, Maria Yiagnisis, Foteini Athanassopoulou (2016). *In vitro* susceptibility of essential oils against mycosis of marine fish caused by *Exophiala spp.* 16th Panhellenic Congress of Ichthyologists. Kavala. Greece.
- 7. Eirini Lampou, Elli Kakava, **Markos N. Kolygas**, Evgenia Gourzioti, Fotini Athanassopoulou (2016). Squamous cell carcinoma in Brown meagre (*Sciaena umbra*). 16th Panhellenic Congress of Ichthyologists. Kavala. Greece.
- 8. Athanassopoulou F., **Kolygas M. N.**(2015). Major parasitic diseases in Greek marine aquaculture. 13th PanHellenic Veterinary Conference. Athens.
- 9. Gourzioti E., **Kolygas M.N.**, Athanassopoulou F. (2015). Comparative histopathological findings between natural and experimental infection of aquacultured fish species with Tenacibaculum maritimum. 13th PanHellenic Veterinary Conference. Athens.
- 10. Gourzioti E., **Kolygas M.N.**, Athanassopoulou F. (2015). Sencitivity & Specificity of different nutrient agar, in diagnosis of marine myxobacteriosis. 13th PanHellenic Veterinary Conference. Athens.
- 11. Gourzioti E., **Kolygas M.N.**, Athanassopoulou F., Pappas I., Bambili B. (2015). Seasonality and frequency of infection of marine fish with *Tenacibaculum maritimum* in several aquaculture sites in Greece. 13th PanHellenic Veterinary Conference. Athens.
- 12. **Kolygas M. N.**, Xatzopoulos A., Gourzioti E., Pappas I., Athanassopoulou F. (2015). Antiparasitic effectiveness of Niclosamide as an antiparasitic drug against monogenea ectoparasites of marine fish. 13th PanHellenic Veterinary Conference. Athens.

- **13. Kolygas M. N.**, Xatzopoulos A., Gourzioti E., Pappas I., Athanassopoulou F. (2015). Pharmacokinetics of niclosamide in seabream. *Per os* administration against monogenea ectoparasites. 13th PanHellenic Veterinary Conference. Athens.
- **14. Kolygas M. N.**, Gourzioti E., Xatzopoulos A., Athanassopoulou F., Pappas I. (2015). Toxicity of niclosamide in fish. 13th PanHellenic Veterinary Conference. Athens.
- **15.** Grammato D. Evangelopoulou, **Markos N. Kolygas**, Angeliki R. Burriel. B. (2015). Inhibition of *Salmonella* spp. by oregano, rosemary and thymol Essential Oils vs antimicrobials. Caparica (Lisbon, Portugal) for the 1st International Caparica Conference in Antibiotic Resistance.
- **16.** E. Gourzioti, **M.N. Kolygas**, F. Athanassopoulou, I. Pappa (2014). Isolation & identification of *Tenacibaculum maritimum* from fish in Greek aquaculture. 3rd PanHellenic Conference of Veterinary medicine of production animals and food safety, Ioannina, 2-4 May 2014, pp 72.
- **17.** E. Gourzioti, **M.N. Kolygas**, F. Athanassopoulou (2014). Development of experimental patterns of infection with *Tenacibaculum maritimum* in sea bass & sea bream fry. 3rd PanHellenic Conference of Veterinary medicine of production animals and food safety, Ioannina, 2-4 May 2014, pp 115.
- **18.** E. Gourzioti, **M.N. Kolygas**, F. Athanassopoulou (2014). Reference Bank of myxobacteria strains of Greece, Results. 3rd PanHellenic Conference of Veterinary medicine of production animals and food safety, Ioannina, 2-4 May 2014, pp 72-73.
- **19.** E. Gourzioti, **M.N. Kolygas**, F. Athanassopoulou, I.Pappas (2014). Efficacy of Chloramine-T and Hydrogen Peroxide on treating experimentally infected fish (Sea bass, Sea bream) with Myxobacteria. 3rd PanHellenic Conference of Veterinary medicine of production animals and food safety, Ioannina, 2-4 May 2014. pp 72-73.
- **20.** Marianthi Simeonidou, Ioannis Paschos, Evangelia Gouva, Costas Perdikaris and **Markos Kolygas** (2014). Performance of a small scale Aquaponic System. AQUACULTURE EUROPE 14 - "Adding Value" The Kursaal Congress Centre - Donastia-San Sebastian, Spain.
- **21.** Costas Perdikaris, **Markos Kolygas**, Evangelia Gouva, Athanasios Chantzarpoulos, Ioannis Skoufos and Ioannis Paschos. (2014). Aquaculture in a Protected Gulf: The case of Amvrakikos (Greece). AQUACULTURE EUROPE 14 - "Adding Value" The Kursaal Congress Centre - Donastia-San Sebastian, Spain.
- **22.** Panagiotis Pantazis, Georgia Kouneli, **Markos Kolygas**, Foteini Athanassopoulou. (2014). The effect of dietary probiotics on growth, survival and stress resistance of rainbow trout *Onchorynchus mykiss*. Conference: Primer Encuentro Nacional de Ictología", Pontificia Universidad Católica del Ecuador Sede Esmeraldas, Escuela de Gestión Ambiental, (PUCESE) , At Esmeraldas, Ecuador.
- **23. M.N. Kolygas**, E. Gourzioti, F. Athanassopoulou (2013). First incident of mycosis in marine cultured red porgy (*Pagrus pagrus*) (Linnaeus, 1758) caused by *Exophiala* sp. in Greece 15th PanHellenic Conference of Ichthyologists.
- **24.** E. Gourzioti, **M.N. Kolygas**, I. Pappas, M. Mande, F. Athanassopoulou (2013). Study of pathological problems of Mediterranean species shi drum (*Umbrina cirrosa*) (Linnaeus, 1758) in an aquaculture farm placed in Channel Oreos. 15th PanHellenic Conference of Ichthyologists.
- **25.** K. Kipouros, M. Simeonidou, **M.N. Kolygas**, F. Athanassopoulou (2013). Annual prevalence study of crayfish plaque (*Aphanomyces astaci* Schickora, 1906) in artificial Agra's lake (Edessa Prefecture). 15th PanHellenic Conference of Ichthyologists.
- **26. M.N. Kolygas**, E. Gourzioti, F. Athanassopoulou, P. Kataraxias (2012). Prevalence of *Tenacibaculum maritimum* in aquaculture marine fish in Greece. 12th PanHellenic Veterinary Conference.
- **27.** E. Gourzioti, **M.N. Kolygas** I. Pappas, M. Evangelopoulou, F. Athanassopoulou (2012). Biochemical and molecular identification of myxobacteria. 12th PanHellenic Veterinary Conference.

Citations

- Kolygas, M.,N., Gourzioti, E., Vatsos, I.,N., Athanassopoulou, F., (2012) Identification of *Tenacibaculum maritimum* strains from marine farmed fish in Greece. Veterinary Record 170 (24):623 (8 Citations)**
- 1) Fernandez-Alvarez C., Santos Y., (2018). Identification and typing of fish pathogenic species of the genus *Tenacibaculum*. Applied Microbiology and Biotechnology. 102(5).
 - 2) Beemelmans, A., Roth, O. (2017). Grandparental immune priming in the pipefish *Syngnathus typhle*. BMC Evolutionary Biology, 17 (1): 1-15.
 - 3) Gourzioti, E., Kolygas, M.N., Athanassopoulou, F., Babili, V. (2016) Tenacibaculosis in aquaculture farmed marine fish. Journal of the Hellenic Veterinary Medical Society, 67 (1), pp. 21-32.

- 4) Brinkmeyer R., (2016) Diversity of bacteria in ships ballast water as revealed by next generation DNA sequencing. *Marine Pollution Bulletin*, 15;107(1):277-285
- 5) Yardimci R.,E., Timur, G. (2016) Antigenic Characterisation of *Tenacibaculum maritimum* Isolates from Sea Bass (*Dicentrarchus labrax*,L.) Farmed on the Aegean Sea Coasts of Turkey. *Journal of Aquaculture Research & Development*, 7:408.
- 6) Beemelmans, A., Roth, O. (2016) Biparental immune priming in the pipefish *Syngnathus typhle*, *Zoology*, 119(4):262-272
- 7) Adikesavalu, H., Patra, A., Banerjee, S., Sarkar, A. & Abraham, T. J. (2015) Phenotypic and molecular characterization and pathology of *Flectobacillus roseus* causing flectobacillosis in captive held carp *Labeo rohita* fingerlings. *Aquaculture*, 439: 60–65.
- 8) Sánchez Vázquez, F., J., Muñoz-Cueto J., A., (2014) *Biology of European Sea Bass*. CRC Press. ISBN 9781466599451

Marianthi Simeonidou, Ioannis Paschos, Evangelia Gouva, M. N. Kolygas, and Costas Perdikaris (2012). Performance of a small-scale modular aquaponic system. AACL Bioflux 5 (4), pp.182-188. (8 Citations)

- 1) Foucard P.,Tocqueville A., Baroiller J.F., Gaume M., Laurent M., Lejolivet D., (2019) AQUAPONIE Associer aquaculture et production végétale. QUAE Publ. ISBN: EAN13:9782759229659.
- 2) Palm H.W., Knaus U., Appelbaum S., Strauch S. M., Kotzen B. (2019) **Book:** Aquaponics Food Production Systems:Combined Aquaculture and Hydroponic Production Technologies for the Future **Chapter 7:** Coupled Aquaponics Systems. In: *Aquaponics Food Production Systems*. Springer. ISBN 978-3-030-15943-6.
- 3) Palm H.W., Knaus U., Appelbaum S., Goddek S., Strauch S., Vermeulen T., Jijakli M.H., Kotzen B. (2018). Towards commercial aquaponics: a review of systems, designs, scales and nomenclature. *Aquaculture International* 26(4).
- 4) Babmann B., Harbach H., Weibbach S., Palm H.W. (2018). Effect of plant density in coupled aquaponics on the welfare status of African catfish, *Clarias gariepinus*. *Journal of the World Aquaculture Society*. DOI:10.1111/jwas.12574
- 5)Knaus, U., Palm, H.,W. (2017) Effects of fish biology on ebb and flow aquaponical cultured herbs in northern Germany (Mecklenburg Western Pomerania), *Aquaculture*, 466: 51-63.
- 6) Knaus, U., Palm, H.,W. (2017) Effects of the fish species choice on vegetables in aquaponics under spring-summer conditions in northern Germany (Mecklenburg Western Pomerania), *Aquaculture*, 473: 62-73.
- 7) Effendi, H., Wahyuningsih, S. & Wardiatno, Y. (2016) The use of Nile tilapia (*Oreochromis niloticus*) cultivation wastewater for the production of romaine lettuce (*Lactuca sativa* L. var. *longifolia*) in water recirculation system. *Applied Water Science*, 1-9.
- 8) Delis, P.,C., Effendi, H., Krisanti, M., Hariyadi, S. (2015) Treatment of aquaculture wastewater using *Vetiveria zizanioides* (Liliopsida, Poaceae). *AACL Bioflux*, 8: 616–625.

Katsanevakis S., Tsirintanis K., Tsaparis D., Doukas D., Sini M., Athanassopoulou F., Kolygas M.N., Tontis D., Koutsoubas D and Bakopoulos V. (2019). The cryptogenic parasite *Haplosporidium pinnae* invades the Aegean Sea and causes the collapse of *Pinnae nobilis* populations. *Aquatic Invasions* 14(2): pp150-164. (1 citation)

- 1) Brian J. I., Aldridge D.C., (2019). Endosymbionts: An overlooked threat in the conservation of freshwater mussels?. *Biological Conservation* 237(September 2019):155-165.

Bakopoulos V., Tsepa E., Diakou A., Kokkoris G., Kolygas M.N., Athanassopoulou F. (2017). Parasites of *Scyliorhinus canicula* (Linnaeus, 1758) in the north-eastern Aegean Sea. *Journal of the Marine Biological Association of the United Kingdom*. (1 citation)

- 1) Ruiz C. F., Driggers W.B., Bullard S.A., (2019). A New Species of *Neoalibionella* (Copepoda: Siphonostomatoida: Lernaeopodidae) from Skin of the Gulper Shark, *Centrophorus Granulosus* (Squaliformes: Centrophoridae) in the Northern Gulf of Mexico. *Journal of Parasitology*, 105(2): 203-221.

Gourzioti E., Kolygas M.N., Athanassopoulou F., Babili V. (2016). Tenacibaculosis in aquaculture farmed marine Fish. *Journal of Hellenic Veterinary Medical Society*. 67(1), pp. 21-

32. (1 citation)

1. Rosado D., Perez-Losada M., Severino R., Cable J. and Xavier R. (2018). Characterization of the skin and gill microbiomes of the farmed seabass (*Dicentrarchus labrax*) and seabream (*Sparus aurata*). *Aquaculture* 500.

Certifications National School of Life Saving & Fire Fighting Appliances

Basic Period of Studies :

- Fire Prevention & Fire Fighting
- Personal Survival Techniques
- Elementary First Aid
- Personal Safety and Social Responsibilities

Seminars

■ Title : «**Global G.A.P. Aquaculture Module V5**», Cert. No. 2018-6875 (2018).

Title : «**G.I.S. -Fish**», University of Thessaly, School of Life Sciences, Faculty of Veterinary Medicine. Geographical Information Systems and their Implementation in Aquaculture (2009).

■ Title : «**Health & Food Safety - HACCP**», (16 Hours), Certified by H.F.A. (Hellenic Food Authority) Code No: 1135. (2010).

References

■ **Professor Foteini Athanassopoulou** DVM, MSc, PhD, MRCVS, dipECAAH, President of the European College of Aquatic Animal Health.

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Address: University of Thessaly, School of Life Sciences, Faculty of Veterinary Medicine, Laboratory of Ichthyology, Aquaculture and Fish Diseases, 221 Trikalon str., Karditsa, 43100, Greece

■ **Professor Vassilis Bakopoulos** DVM, MSc, PhD, dipECAAH, Secretary of the European College of Aquatic Animal Health.

Mail: v.bakopoulos@marine.aegean.gr

Tel: 0030 22510 36870

Address: Aegean University, Department of Marine Science, University Hill, Mytilene, 81100, Greece

Markos Kolygas






Mother tongue(s)

–

Foreign language(s)

English






English
Self-assessment of language skills

UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user	C2 Proficient user

Certificates and diplomas

Title	Awarding body	Date	Level*
State certificate of Foreign Language Proficiency- (regist. No: 159887/KB)	Hellenic Republic, Ministry of Education, Lifelong Learning and Religious Affairs	23/12/2009	C1

Common European Framework of Reference for Languages - Self-assessment grid

		A1 Basic user	A2 Basic User	B1 Independent user	B2 Independent user	C1 Proficient user	C2 Proficient user
Understanding	 Listening	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided I have some time to get familiar with the accent.
	 Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
Speaking	 Spoken interaction]	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.	I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skilfully to those of other speakers.	I can take part effortlessly in any conversation or discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it.
	 Spoken production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
Writing	 Writing	I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.

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