



CURRICULUM VITAE **Konstantinos Feidantsis**

Education:

- 2015-2017: Master of Science in Clinical Nutrition (2017). Department of Nutritional Sciences and Dietetics, International Hellenic University. GPA: 9.03/10.00.
- 2013-2017: Bachelor in Nutrition (2017). Department of Nutritional Sciences and Dietetics, International Hellenic University. GPA: 8.3/10.00.
- 2007-2012: Doctor of Philosophy (2012). Faculty of Exact Sciences / Department of Biology, Aristotle University of Thessaloniki, Greece, Thesis: Seasonal Biochemical and Physiological Responses of the gilthead sea bream, *Sparus aurata*. Correlation with sea temperature and climate change. PhD Supervisor: Prof. Basile Michaelidis. GPA: 10.00/10.00.
- 2005-2007: Master of Science (2007). Faculty of Exact Sciences / Department of Biology, Aristotle University of Thessaloniki, Greece, Title of Dissertation: Molecular and biochemical responses of the gilthead sea bream (*Sparus aurata*) during acclimation to different temperatures. GPA: 9.24/10.00.
- 2001-2004: Bachelor in Biology (2004). Faculty of Exact Sciences / Department of Biology, Aristotle University of Thessaloniki, Greece. GPA: 7.21/10.00.
- 2001-2004: Bachelor in Biomedical Sciences (2004). Department of Biomedical Sciences, International Hellenic University. GPA: 8.8/10.00.

Work Experience

- 2023 – present: Professor (full). School of Agricultural Sciences. University of Patras.

SCIENTIFIC PUBLICATIONS

- 68.** A. Doulgeris, S. Methenitis, A. Lazou, G. Payiotou, K. Feidantsis, G. Voulgaridou, Y. Manios, A.J. Jamurtas, C. Giaginis, S. Papadopoulou. The effect of acute pre-workout supplement ingestion on basketball specific performances of well-trained athletes. *Nutrients MDPI* (2023): 15(10), 2304.
- 67.** M.V. Alvanou, K. Feidantsis, A.P. Apostolidis, B. Michaelidis, I.A. Giantsis. Probiotics, prebiotics and synbiotics utilization in crayfish aquaculture and factors affecting gut microbiota. *Microorganisms MDPI* (2023): 11, 1232.
- 66.** D.K. Papadopoulos, A. Lattos, I.A. Giantsis, J.A. Theodorou, B. Michaelidis, K. Feidantsis*. The impact of ascidian biofouling on the farmed Mediterranean mussel *Mytilus galloprovincialis* physiology and welfare, revealed by stress biomarkers. *Biofouling* (2023): DOI: 10.1080/08927014.2023.2209015.
- 65.** A. Lattos, K. Feidantsis*, I.A. Giantsis, J.A. Theodorou, B. Michaelidis. Seasonality in synergism with multi-pathogen presence leads to mass mortalities of the highly endangered *Pinna nobilis* in Greek coastlines: a pathophysiological approach. *Microorganisms MDPI* (2023): 11, 1117.
- 64.** A. Lattos, D. Papadopoulos, I.A. Giantsis, K. Feidantsis, I. Georgoulis, D. Karagiannis, F. Carella, B. Michailides. Investigation of the highly endangered *Pinna*

nobilis' mass mortalities: seasonal and temperature patterns of health status, antioxidant and heat stress responses. *Marine Environmental Research* (2023): 135:108641.

- Impact factor: 3.737
- Ετεροαναφορές: , Αυτοαναφορές:

63. M.V. Alvanou, A. Kyriakoudi, V. Makri, A. Lattos, K. Feidantsis, D.K. Papadopoulos, I. Georgoulis, A.P. Apostolidis, B. Michaelidis, I. Mourtzinou, A. Asimaki, I.T. Karapanagiotidis. I.A. Giantsis, Effects of dietary substitution of fishmeal by black soldier fly (*Hermetia illucens*) meal on growth performance, whole-body chemical composition, and fatty acid profile of *Pontastacus leptodactylus* juveniles under captivity. *Frontiers in Physiology* (2023): 14:1156394.

62. V. Makri, K. Feidantsis, D. Porlou, A. Ntokou, I. Georgoulis, I.A. Giantsis, B. Michaelidis. Red porgy's (*Pagrus pagrus*) cellular physiology and antioxidant defense in response to seasonality. *Journal of Thermal Biology* (2023): 113, 103527.

61. S. Methenitis, G. Panayiotou, S.K. Papadopoulou, A. Kaprara, A. Hatzitolios, P. Skepastianos, K. Karali, K. Feidantsis*. Nutrition, Body Composition and Physical Activity Have Differential Impact on the Determination of Lipidemic Blood Profiles Between Young Females with Different Blood Cholesterol Levels. *Obesity Research and Clinical Practice* (2023): 17(1), 25-33.

60. I. Georgoulis, C. Bock, G. Lannig, H.O. Pörtner, K. Feidantsis, I.A. Giantsis, I. Sokolova, B. Michaelidis. Metabolic remodeling caused by heat-hardening in the Mediterranean mussels *Mytilus galloprovincialis*. *Journal of Experimental Biology* (2022): 225, jeb244795

59. N. Panteli, M. Demertzioglou, K. Feidantsis, S. Karapanagiotis, N. Tsele, K. Tsakoniti, K. Gkagkavouzis, K.Ar. Kormas, E. Mente, E. Antonopoulou. Advances in understanding the mitogenic, metabolic and cell death signaling in teleost development: the case of IGF in greater amberjack (*Seriola dumerili*, Risso 1810). *Fish Physiology and Biochemistry* (2022) 48:1665–1684

58. D.C. Bobori, K. Feidantsis, A. Dimitriadi, N. Datsi, P. Ripis, S. Kalogiannis, I. Sampsonidis, G. Kastrinaki, N.M. Ainali, D.A. Lambropoulou, G.Z. Kyzas, G. Koumoundouros, D.N. Bikiaris, Martha Kaloyianni. Dose-dependent cytotoxicity of polypropylene microplastics (PP-MPs) in two freshwater fishes. *Journal of Molecular Sciences MDPI* (2022): 23, 13878

57. K. Feidantsis*, G.A. Gkafas, A. Exadactylos, B. Michaelidis, A. Staikou, M. Hatzioannou, C. Apostologamvrou, J. Sarantopoulou, D. Vafidis. Different interspecies demographic history within the same locality. The case study of sea cucumber, cuttlefish and clam in the Greek waters. *Sustainability MDPI* (2022): 14, 14380.

56. A. Lattos, D. Papadopoulos, K. Feidantsis, D. Karagiannis, I.A. Giantsis, B. Michaelidis. Are marine heatwaves responsible for mortalities of farmed *Mytilus galloprovincialis*? A pathophysiological analysis of *Marteilia* infected mussels from Thermaikos gulf, Greece. *Animals MDPI* (2022): 2(20), 2805.

- 55.** S. Methenitis, K. Feidantsis, A. Kaprara, A. Hatzitolios, P. Skepastianos, S.K. Papadopoulou, G. Panayiotou. Body Composition, Fasting Blood Glucose and Lipidemic Indices are not Primarily Determined by the Nutritional Intake of Middle-Aged Endurance Trained Men. Another "Athletes' Paradox"? *Journal of Clinical Medicine MDPI* (2022): 11, 6057.
- 54.** T. Bousdras, K. Feidantsis, N. Panteli, S. Chatzifotis, G. Piccolo, L. Gasco, F. Gai, E. Antonopoulou. Dietary *Tenebrio molitor* larvae meal inclusion exerts tissue-specific effects on cellular, metabolic and antioxidant status in European sea bass (*Dicentrarchus labrax*) and gilthead seabream (*Sparus aurata*). *Aquaculture Nutrition* (2022): 9858983
- 53.** C. Vasdravanidis, M.V. Alvanou, A. Lattos, D. Papadopoulos, I. Chatzigeorgiou, M. Ravani, G. Liantas, I. Georgoulis, K. Feidantsis, G. Ntinis, I.A. Giantsis. Progress and challenges on rearing rainbow trout in aquaponic systems: A promising perspective in the frame of diminishing climate change effects on rainbow trout aquaculture (Review Article). *Animals MDPI* (2022): 12(19), 2523.
- 52.** E. Antonopoulou, N. Panteli, K. Feidantsis, M. Mastoraki, E.I. Koutsogeorgiou, E. Grivaki, T. Papagrigroriou, S.P. Christias, S. Chatzifotis, D. Lazari, S.S. Andreadis, N. Krigas. Carob (*Ceratonia siliqua*) as functional feed is beneficial in yellow mealworm (*Tenebrio molitor*) rearing: Evidence from growth, antioxidant status and cellular responses. *Antioxidants MDPI* (2022): 11(9), 1840.
- 51.** M.V. Alvanou, D. Papadopoulos, A. Lattos, I. Georgoulis, K. Feidantsis, A.P. Apostolidis, B. Michailidis, I.A. Giantsis. Biology, distribution, conservation status and perspective of freshwater crayfish in Greece. An updated review. (Review Article). *Aquaculture Research* (2022): 00, 1–14.
- 50.** D.C. Bobori, S. Kalogiannis, A. Samiotaki, D. Fafouti, K. Feidantsis, A. Dimitriadi, G. Sampsonidis, G. Kastrinaki, D.A. Lambropoulou, G.Z. Kyzas, D.N. Bikiaris, M. Kaloyianni. Differentiation in the expression of toxic effects of polyethylene-microplastics on two freshwater fish species: Size matters. *Science of the Total Environment* (2022) 830: 154603.
- 49.** K. Feidantsis, A. Soumalevris, N. Panteli, S. Chatzifotis, E. Antonopoulou. Antioxidant defense and apoptotic responses of meagre (*Argyrosomus regius*) under the synchronous effect of long term feed deprivation and temperature variation. *Journal of Thermal Biology* (2022) 105: 103207.
- 48.** E. Mente, T. Bousdras, K. Feidantsis, N. Panteli, M. Mastoraki, K. Ar. Kormas, S. Chatzifotis, G. Piccolo, L. Gasco, F. Gai, S.A.M. Martin, E. Antonopoulou. *Tenebrio molitor* larvae meal inclusion affects hepatic proteome and apoptosis and/or autophagy of three farmed fish species. *Scientific Reports* (2022) 12: 121.
- 47.** E. Tsakoumis, T. Tsoulia, K. Feidantsis, F.A. Mouchlianitis, P. Berillis, D. Bobori, E. Antonopoulou. Cellular Stress Responses of the Endemic Freshwater Fish Species *Alburnus vistonicus* in a Constantly Changing Environment. *Applied Sciences MDPI* (2021) 11: 11021.

- 46.** A. Staikou, K. Feidantsis, O. Gkanatsiou, M. Nakos Bibos, M. Hatzioannou, K. Storey, B. Michaelidis. Seasonal cellular stress phenomena and phenotypic plasticity in land snail *Helix lucorum* (L.) populations from different altitudes. *Journal of Experimental Biology* (2021) 224(24): jeb243298
- 45.** M. Kaloyianni, D. Bobori, D. Xanthopoulou, G. Malioufa, I. Sampsonidis, S. Kalogiannis, K. Feidantsis, G. Kastrinaki, A. Dimitriadi, G. Koumoundouros, D. Lambropoulou, G. Kyzas, D. Bikiaris. Toxicity and functional tissue responses of two freshwater fish after exposure to polystyrene microplastics. *Toxics MDPI* (2021) 9: 289.
- 44.** A. Lattos, K. Feidantsis, I. Georgoulis, I.A. Giantsis, D. Karagiannis, J.A. Theodorou, A. Staikou, B. Michaelidis. Pathophysiological responses of *Pinna nobilis* individuals enlightens the etiology of mass mortality situation in the Mediterranean populations. *Cells MDPI* (2021) 10: 2838
- 43.** A. Zgouridou, E. Tripidaki, I.A. Giantsis, J.A. Theodorou, M. Klaitzidou, D.E. Raitos, A. Lattos, A. M. Mavropoulou, S. Sofianos, D. Karagiannis, H. Chaligiannis, A. Anestis, N. Papadakis, K. Feidantsis, D. Mintza, A. Staikou, B. Michaelidis. Current situation and potential effects of climate change on the microbial load of marine bivalves of the Greek coastlines: An integrative review. *Environmental Microbiology* (2021) 24(3): 1012-1034.
- 42.** I. Georgoulis, K. Feidantsis, I.A. Giantsis, A. Kakale, C. Bock, H.O. Pörtner, I.M. Sokolova, B. Michaelidis. Heat hardening enhances mitochondrial potential for respiration and oxidative defence capacity in the mantle of thermally stressed *Mytilus galloprovincialis*. *Scientific Reports* (2021) 11:17098
- 41.** L. Katsika, O. Tasbozan, M. Mastoraki, S. Karapanagiotis, C. Zalamitsou, K. Feidantsis, E. Antonopoulou, S Chatzifotis Effects of fish oil substitution by hazelnut oil on growth, whole body fatty acid composition and enzymes of intermediary metabolism of juvenile meagre (*Argyrosomus regius* Asso, 1801). *Aquaculture Research* (2021) 00: 1-17.
- 40.** K. Feidantsis*, S. Methenitis, K. Ketselidi, K. Vagianou, P. Skepastianos, A. Hatzitolios, A. Mourouglakis, A. Kaprara, M. Hassapidou, T. Nomikos and S.K. Papadopoulou, Comparison of two Hypocaloric High Protein Diets with or without whey protein supplementation with a Hypocaloric Mediterranean Diet: effect on body composition and health related blood markers. *Nutrition* (2021) 11365.
- 39.** Georgoulis, K. Feidantsis, D. Kouvas, A. Lattos, G.A. Delis, A. Theodoridis, B. Michaelidis, I.A. Giantsis. The effect of seawater physical parameters in bivalve farming. Could systematic monitoring and early warning prevent harmful impacts? A review focused on Vistonikos Gulf, north Aegean Sea. Accepted for publication at *International Journal of Agricultural Resources, Governance and Ecology* (2021) 18(1-2): 22-37
- 38.** K. Feidantsis*, I. Georgoulis, I.A. Giantsis, B. Michaelidis. Treatment with ascorbic acid normalizes the aerobic capacity, antioxidant defence and cell death pathways on thermally stressed *Mytilus galloprovincialis*. *Comparative Biochemistry and Physiology Part B* (2021) 255: 110611.

- 37.** A. Dimitriadi, C. Papaefthimiou, E. Ginizegini, I. Sampsonidis, S. Kalogiannis, K. Feidantsis, D.C. Bobori, G. Kastrinaki, G. Koumoundouros, D.A. Lambropoulou, G.Z. Kyzas, D.N. Bikiaris. Adverse effects polystyrene microplastics exert on zebrafish heart - molecular to individual level. *Journal of Hazardous Materials* (2021) 416: 125969.
- 36.** V. Makri, K. Feidantsis, D. Papadopoulos, A. Lattos, I. Georgoulis, B. Michaelidis, I.A. Giantsis. Natural-like pigmentation in cultured fish stocks, not only a matter of nutrition. A review of Salmonidae and Sparidae families, with a particular focus on the red porgy *Pagrus pagrus* (Review Article). *Aquaculture Research* (2021) 00: 1-12.
- 35.** S. Methenitis, A. Mouratidis, K. Magga, E. Chalari, K. Feidantsis, G. Arnaoutis, L. Arailoudi-Alexiadou, P. Skepastianos, A. Hatzitolios, A. Mourouglakis, A. Kaprara, M. Hassapidou, S. Papadopoulos. The importance of protein intake in master marathon runners. *Nutrition* (2021) 86: 111154.
- 34.** K. Feidantsis*, B. Michaelidis, D.E. Raitsos and D. Vafidis. Seasonal metabolic and oxidative stress responses of commercially important invertebrate species - Correlation with their distribution in the north Aegean Sea. *Marine Ecology Progress Series* (2021) 658: 27-46. doi:10.3354/meps13565
- 33.** K. Feidantsis, H.O. Pörtner, I.A. Giantsis and B. Michaelidis. Advances in understanding thermal tolerance in farmed fish: Integrating molecular and metabolic responses. (Review Article). *Journal of Fish Biology*, Special issue on Effects of Global Warming on Fish and Fisheries (2021) DOI: 10.1111/jfb.14611
- 32.** K. Feidantsis*, B. Michaelidis, D.E. Raitsos and D. Vafidis. Seasonal cellular stress responses of commercially important invertebrates at different habitats of the north Aegean Sea. *Comparative Biochemistry and Physiology Part A* (2020) 250: 110778
- 31.** K. Feidantsis, I.A. Giantsis, A. Vratisstas, S. Makri, A-Z. Pappa, E. Drosopoulou, A. Anestis, E. Mavridou, A. Exadactylos, D. Vafidis and B. Michaelidis. Correlation between intermediary metabolism, Hsp gene expression and oxidative stress related proteins in long-term thermal stressed *Mytilus galloprovincialis*. *American Journal of Physiology - Regulatory, Integrative and Comparative Physiology* (2020) 319: R264–R281.
- 30.** K. Feidantsis, S. Kalogiannis, A. Marinoni, A-M. Vasilogianni, C. Gkanatsiou, G. Kastrinaki, C. Dendrinou-Samara and M. Kaloyianni. Toxicity assessment and comparison of the land snail's *Cornu aspersum* responses against CuO nanoparticles and ZnO nanoparticles. *Comparative Biochemistry and Physiology Part C* (2020) 236: 108817.
- 29.** S.K. Papadopoulou, K. Feidantsis, M. Hassapidou, S. Methenitis. The specific impact of nutrition and physical activity on adolescents' body composition and energy balance. *Research Quarterly for Exercise and Sport* (2020) 92(4): 736-746.
- 28.** K. Feidantsis*, A. Ntokou and B. Michaelidis. Effect of seasonality on oocyte growth, oocyte maturity stages and reproductive capacity in the gilthead sea bream (*Sparus aurata*) *Acta Veterinaria Eurasia* (2020) 46(3): 87-98.

- 27.** E. Antonopoulou, I. Chatzigiannidou, K. Feidantsis, C. Kounna and S. Chatzifotis. Effect of water temperature on stress and antioxidant responses in meagre, *Argyrosomus regius*. *Fish Physiology and Biochemistry* (2020) 46(3): 1075-1091.
- 26.** K. Feidantsis, I. Georgoulis, A. Zachariou, B. Campaz, M. Christoforou, H.O. Pörtner and B. Michaelidis. Energetic, antioxidant, inflammatory and cell death responses in the red muscle of thermally stressed *Sparus aurata*. *Journal of Comparative Physiology Part B* (2020) 190(4): 403-418.
- 25.** D. Bobori, A. Dimitriadi, S. Karasiali, P. Tsoumaki-Tsouroufli, M. Mastora, G. Kastrinaki, K. Feidantsis, A. Printzi, G. Koumoundouros, M. Kaloyianni. Common mechanisms activated in the tissues of aquatic and terrestrial animal models after TiO₂ nanoparticles exposure. *Environment International* (2020) 138: 106511
- 24.** M. Kaloyianni, A. Dimitriadi, M. Ovezik, D. Stamkopoulou, K. Feidantsis, G. Kastrinaki, G. Gallios, G. Koumoundouros and D. Bobori. Magnetite nanoparticles effects on adverse responses of aquatic and terrestrial animal model. *Journal of Hazardous Materials* (2020) 385, 121204.
- 23.** M. Kaloyianni, K. Feidantsis, I. Nteli, P. Stergiou, T. Tsoulia, A. Dimitriadi, E. Antonopoulou, D. Bobori. Biochemical and Molecular responses of cyprinids in two Mediterranean lacustrine ecosystems: opportunities for ecological assessment and biomonitoring. *Aquatic Toxicology* (2019) 211: 105-115
- 22.** D. Karagiannis, B. Michaelidis, A. Theodoridis, P. Angelidis, K. Feidantsis, A. Staikou. Field studies on the effects of *Marteilia* sp. on growth of mussel *Mytilus galloprovincialis* in Thermaikos Gulf. *Marine Environmental Research* (2018) 142: 116-123.
- 21.** I.A. Giantsis, A. Exadactylos, K. Feidantsis, B. Michaelidis. First insights towards the population genetic structure and the phylogeographic status of the horse mussel (*Modiolus barbatus*) from eastern Mediterranean. *Journal of Marine Biology Association of the United Kingdom* (2018) 1–8. <https://doi.org/10.1017/S0025315418001133>.
- 20.** K. Feidantsis, K. Mellidis, E. Galatou, A. Lazou. Treatment with crocin improves cardiac dysfunction by normalizing autophagy and inhibiting apoptosis in STZ-induced diabetic cardiomyopathy. *Nutrition, Metabolism and Cardiovascular Diseases* (2018) 28: 952-961.
- 19.** E. Sidiropoulou, K. Feidantsis, S. Kalogiannis, GP. Gallios, G. Kastrinaki, AG. Konstandopoulos, M. Václavíková, M. Kaloyianni. Insights into the toxicity of Iron Oxides Nanoparticles in Land Snails. *Comparative Biochemistry and Physiology Part C* (2018) 206-207: 1-10.
- 18.** C. Roufidou, K. Feidantsis, E. Sarropoulou, E. Mente and E. Antonopoulou. Hsp expression and MAPK phosphorylation during early embryonic developmental stages of the Gilthead Sea Bream (*Sparus aurata*). *Mediterranean Marine Science* (2018) 19(2): 240-247.

17. K. Feidantsis, H.O. Pörtner, E. Vlachonikola, E. Antonopoulou and B. Michaelidis. Seasonal changes in metabolism and cellular stress phenomena in the gilthead sea bream (*Sparus aurata*). *Physiological and Biochemical Zoology* (2018) 91(3): 878-895.
16. SK. Papadopoulou, EE. Xyla, SK. Methenitis, KG. Feidantsis, Y. Kotsis, IG. Pagkalos and M. Hassapidou. Nutrition strategies before and during ultra-endurance event: a significant gap between science and practice. *Scandinavian Journal of Medicine and Science in Sports* (2018) 28: 881–892.
15. S. Chatzifotis, C. Kounna, S. Clavero, A. Soumalevris, K. Feidantsis and E. Antonopoulou. Effects of long term feed deprivation on body weight loss, muscle composition, serum metabolites and intermediate metabolism of meagre (*Argyrosomus regius*) under different water temperatures. *Fish Physiology and Biochemistry* (2017) 44(2): 527-542.
14. Antonopoulou, E. Chouri, K. Feidantsis, A. Lazou and S. Chatzifotis. Effects of partial dietary supplementation of fish meal with soymeal on the stress and apoptosis response in the digestive system of common dentex (*Dentex dentex*). *Journal of Biological Research – Thessaloniki* (2017) 24:14
13. SK. Papadopoulou, VA. Dalatsi, SK. Methenitis, KG. Feidantsis, IG. Pagkalos and M. Hassapidou. Nutritional routine of Tae Kwon Do athletes prior to competition: what is the impact of weight control practices? *Journal of the American College of Nutrition* (2017) 36(6): 448-454
12. C. Taze, I. Panetas, S. Kalogiannis, K. Feidantsis, G.P. Gallios, G. Kastrinaki, A.G. Konstantopoulos, L. Ivanicova, M. Václavíková and M. Kaloyianni. Toxicity assessment and comparison between two types of iron oxides nanoparticles in *Mytilus galloprovincialis*. *Aquatic Toxicology* (2016) 177: 9-20
11. A. Staikou, G. Tachtatzis, K. Feidantsis and B. Michaelidis. Field studies on the annual activity and the metabolic responses of a land snail population living in high altitude. *Comparative Biochemistry and Physiology Part A* (2016) 191: 1-8
10. K. Feidantsis, H.O. Pörtner, E. Antonopoulou and B. Michaelidis. Synergistic effects of acute warming and low pH on cellular stress responses of the gilthead seabream *Sparus aurata*. *Journal of comparative Physiology B* (2015) 185: 185-205
9. E. Antonopoulou, E. Kousidou, E. Tserga, K. Feidantsis and S. Chatzifotis. Dietary lipid levels in meagre (*Argyrosomus regius*): effects on biochemical and molecular indicators of liver. *Aquaculture* (2014) 428-429: 265-271
8. K. Feidantsis, E. Kaitetzidou, N. Mavrogiannis, B. Michaelidis, Y. Kotzamanis and E. Antonopoulou. Effect of taurine enriched diets on the Hsp expression, MAPK activation and the antioxidant defence of the European Sea Bass (*Dicentrarchus labrax*). *Aquaculture Nutrition* (2014) 20: 431–442.
7. E. Antonopoulou, E. Kentepozidou, K. Feidantsis, C. Roufidou, S. Despoti and S. Chatzifotis. Starvation and re-feeding affect Hsp expression, MAPK activation and

antioxidant enzymes activity of European Sea Bass (*Dicentrarchus labrax*). *Comparative Biochemistry and Physiology, Part A* (2013) 165: 79-88.

6. K. Feidantsis, A. Anestis and B. Michaelidis. Seasonal variations of anti-/apoptotic and antioxidant proteins in the heart and gastrocnemius muscle of the water frog *Pelophylax ridibundus*. *Cryobiology* (2013) 67: 175-183.

5. K. Feidantsis, H.O. Pörtner, T. Markou, A. Lazou and B. Michaelidis. Involvement of p38 MAPK in the induction of Hsp70 during acute thermal stress in red blood cells of the gilthead sea bream, *Sparus aurata*. *Journal of Experimental Zoology* (2012) 317: 303-312.

4. K. Feidantsis, A. Anestis, E. Vasara, P. Kyriakopoulou-Sklavounou and B. Michaelidis. Seasonal variations of cellular stress response in the heart and gastrocnemius muscle of the water frog (*Pelophylax ridibundus*). *Comparative Biochemistry and Physiology, Part A* (2012) 162: 331-339.

3. K. Feidantsis, E. Antonopoulou, A. Lazou, H.O. Pörtner and B. Michaelidis. Seasonal variations of cellular stress response of the gilthead sea bream (*Sparus aurata*). *Journal of Comparative Physiology B* (2012) 183: 625-639.

2. T. Kyprianou, H.O. Pörtner, A. Anestis, K. Feidantsis, B. Kostoglou and B. Michaelidis. metabolic and molecular stress responses of farmed fish *Sparus aurata* during exposure to low ambient temperature: an analysis of mechanisms underline the winter syndrome. *Journal of Comparative Physiology Part B* (2010) 180: 1005-1018.

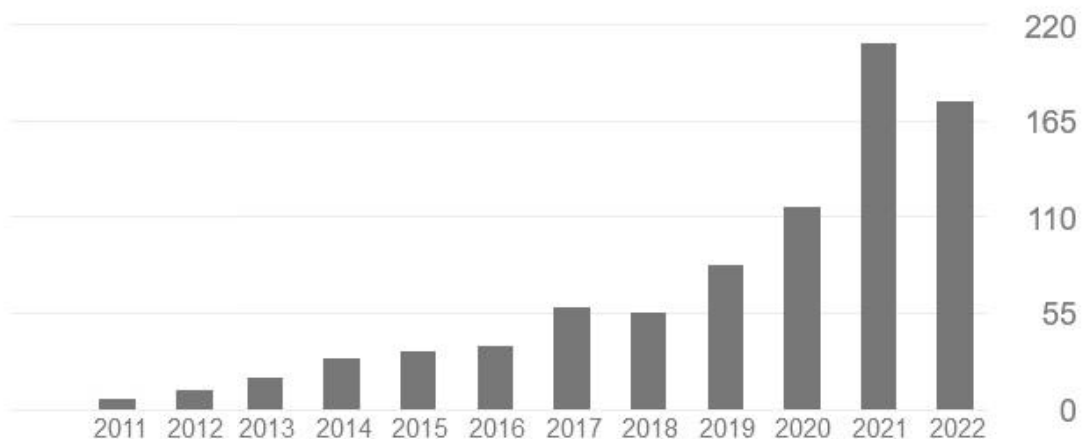
1. K. Feidantsis, H.O. Pörtner, A. Lazou, B. Kostoglou and B. Michaelidis. Metabolic and molecular stress responses of the gilthead sea bream *Sparus aurata* during long term exposure to increasing temperatures. *Marine Biology* (2009) 156 (4): 797-809.

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INDEX OF PUBLISHED ARTICLES

(search by October 2022)

	All	From 2017
Citations	841	700
h-index	17	16
i10-index	26	25



CONFERENCES – CONGRESSES

INTERNATIONAL CONFERENCES

17. Marine and Inland Waters Research Symposium. Porto Heli, Greece, 16-20 September 2022.
 - Seasonal changes of energy reserves and metabolic patterns in *Pagrus pagrus* (red porgy).
 - Proximate composition and filleting yield of wild and extensively cultivated *Chelon labrosus* (Risso, 1827)

16. 10th International Conference on Information and Communication Technologies in Agriculture, Food & Environment (HAICTA). Athens, Greece, 22-25 September 2022.

Collection of pathogen free *Astacus* sp. crayfish and acclimation in laboratory aquaria: the first step towards freshwater crayfish aquaculture development

15. 1st International Conference of Nutritional Sciences and Dietetics, Thessaloniki, Greece, 27-29 May 2022.
 - Toxic Effects Of Polyethylene-Microplastics On Freshwater Fish Species: Implications For Human Health
 - Chair in SESSION 13: Developments in the relationship between Nutrition, Exercise and Health

14. 11th International Aerosol Conference. Athens, Greece, 4-9 September 2022.

High resolution characterization of microplastics in zebrafish tissues - In vivo toxicity study

13. 14^o International Conference of Fish Biology: Montpellier, 28 June-1 July 2022.
 - Georgoulis, I., Feidantsis, K., Giantsis, I.A., Zachariou, A., Campaz, B., Christoforou, M., Pörtner, H.O. and Michaelidis, B. Energetics and Seasonal stress responses in the red muscle of thermally stressed *Sparus aurata*.
 - Panteli, N., Demertzioglou, M., Feidantsis, K., Kormas, K.A., Mente, E. and Antonopoulou, E. Functionality of Stress Kinases and Heat Shock Proteins During Early Development of Reared Greater Amberjach (*Seriola dumerili*) (Risso, 1810).
 - Tampou, A., Padovani, M., Panteli, N., Feidantsis, K., Antonopoulou, E., Mente, E. Effects of low fish meal diets on growth performance and intermediate metabolism of gilthead seabream (*Sparus aurata*) and European seabass (*Dicentrarchus labrax*)

12. 9th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference. Mykonos, Greece, 5-9 June 2022.

Assessing the effects of polystyrene microplastics on zebrafish tissues by the use of biomarkers

11. 12th International Symposium on Reproductive Physiology of Fish, Crete, Greece, 16-20 May 2022.

Functionality of stress kinases and heat shock proteins during early development of reared greater amberjack (*Seriola dumerili*) (Risso, 1810)

10. HydroMediT 2021, 4th International Congress on Applied Ichthyology, Oceanography & Aquatic Environment. 4-6 November 2021.
 - Seasonal oxidative and cellular stress responses of commercially important invertebrates at different habitats of the north Aegean Sea.
 - Seasonal changes on antioxidant enzymes' gene expression in red porgy (*Pagrus pagrus*).
 - Seasonal gene expression of antioxidant enzymes and Hsp70 in gilthead sea bream (*Sparus aurata*).
 - Effects of heat hardening on oxidative defence capacity in the mantle of thermally stressed *Mytilus galloprovincialis*.
9. 14th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions: Thessaloniki, 27-30 June 2019: Study of heat shock proteins (hsps) in different land snail species
8. 3rd International Conference of Applied Ichthyology and Aquatic Environment, Hydromedit: Volos, 8-11 November, 2018:
 - Study of cellular stress indicators in the red muscle of the gilthead seabream *Sparus aurata* during exposure to high temperatures
 - Seasonal effect of *Marteilia sp.* infection on growth of Thermaikos Gulf *Mytilus galloprovincialis*
7. 2nd International Conference of Applied Ichthyology and Aquatic Environment, Hydromedit: Messolonghi, 10-12 November, 2016:
 - Environmental response of the gills in the freshwater endemic fish *Alburnus vistonicus*
 - Investigation of the oxidative stress response of marine bivalve *Mytilus galloprovincialis* during long-term exposure to high temperature
 - Preliminary results on the effects of acute warming on the cellular stress indicators of metabolism, autophagy and inflammation in the liver of the gilthead seabream *Sparus aurata*
 - Seasonal analysis of the effect of seawater temperature on the physiological condition of two farmed fish species *Pagrus pagrus* and *Sparus aurata* – a comparative study
6. 1st International Conference of Applied Ichthyology and Aquatic Environment, Hydromedit: Volos, 13-15 November, 2014: Kyriakis, D., Feidantsis, K., Kaitetzidou, E., Triantafyllidis, A., Antonopoulou, E. Effect of exogenous lps administration on molecular mechanisms in gilthead seabream, *Sparus aurata*.
5. 11th International Conference of Fish Biology: Edinburgh, 3-7 August 2014:
 - Feidantsis, K., Antonopoulou, A., and Michaelidis, B. Seasonal variations of apoptosis and autophagy in the liver of the gilthead seabream (*Sparus aurata*).

- Bousdras, T., Feidantsis, K., Chatzifotis, S., Piccolo, G., Gai, F., Gasco, L. and Antonopoulou, E. Effects of partial insect meal substitution of fish meal in diets on enzymatic activity in different farmed teleost species.
 - Tsertou, M.I., Feidantsis, K., Chatzifotis, S., Pavlidis, M., Katharios, P. and Antonopoulou, E. Physiological and biochemical aspects of partial replacement of fish meal with plant protein sources in combination with dietary Vitamin C in meagre (*Argyrosomus regius*).
 - Soumavevris, A., Feidantsis, K., Chatzifotis, S., and Antonopoulou, E. Combined effect of temperature and starvation on the apoptotic pathway and antioxidant defense of meagre (*Argyrosomus regius*).
4. Society for Experimental Biology (SEB), Valencia, Spain, 3-6 July 2013:
 - Feidantsis, K., Michaelidis, B. Metabolic responses in the gilthead sea bream (*Sparus aurata*). Correlations to the threshold induction temperature.
 - Ntokou, A., Feidantsis, K., Anestis, A., Michaelidis, B. Seasonal changes of molecular and physiological indicators of the cultivated species *Pagrus pagrus*
 3. 27th European Congress of Comparative Biochemistry and Physiology (European Society for Comparative Biochemistry and Physiology), Alessandria, Italy, 5–9 September 2010: Feidantsis, K., Markou, T., Pörtner, H.O., Lazou, A., Michaelidis, B. Thermal stress response in the red blood cells of the gilthead sea bream (*Sparus aurata*). What is the exact cellular mechanism in the particular cells?
 2. 26th European Congress of Comparative Biochemistry and Physiology (European Society for Comparative Biochemistry and Physiology), Innsbruck, Austria, 6–9 September 2009: Feidantsis, K., Pörtner, H.O., Lazou, A., Antonopoulou, E., Michaelidis, B. Seasonal variations in metabolism and cellular stress response in the white muscle of the gilthead sea bream (*Sparus aurata*).
 1. 25th European Congress of Comparative Biochemistry and Physiology (European Society for Comparative Biochemistry and Physiology), Ravenna, Italy, 7–11 September 2008: Feidantsis, K., Pörtner, H.O., Lazou, A., Kostoglou, B., Michaelidis, B. Metabolic and molecular stress responses of the gilthead sea bream *Sparus aurata* during long term exposure to increasing temperatures.

NATIONAL CONFERENCES

27. 13th Panhellenic Conference with the title: «An new age for Biology: oppotunites and challenges in the meta COVID era», Thessaloniki, 9-11 December 2022:
 - Alvanou, V.M., Papadopoulos, K.D., Latos, A., Fedantsis, K., Makri, V., Michaelidis, B., Apostolides, A., Giantsis, A.I. The mitochondrial genome and phylogenetic classification of the inland crayfish *Pantastacus leptodactylus* from Greece.
 - Makri, V., Feidantsis, K., Giantsis, A.I., Gougousi, A., Nathanailidis, K., Michaelidis, B. Seasonal changes in gene expression and activity of glycolysis enzymes in the farmed species *Sparus aurata*
 - Georgoulis, I., Feidantsis, K., Giantsis, A.I., Kakale, A., Bock., C., Pörtner, O.H., Sokolova, I.M., Michaelidis, B. The mitochondrial respiration potential in the mantle tissue of heat hardened *Mytilus galloprovincialis*.

26. 18th Panhellenic Congress of Ichthyologists on the theme: "Aquatic biological resources: Promotion - Protection - Sustainable development", Messolonghi, November 3-6, 2022:

- Tsamadias, I.E., Spinos, E., Ramfos, A., Rizou, D., Dounis, M., Alexandropoulos, A.E., Lattos, A., Rizos, D., Giantsis, I.A., Katselis, G., Moutopoulos, D.K., Theodorou, I.A., Staikou, A., Feidantsis, K., Michaelidis, B. First monitoring results of the pinna *Pinna nobilis* (Linnaeus, 1758) after the phenomenon of mass mortality and the population collapse of the species in the Mediterranean
- Makri, V., Feidantsis, K., Giantsis, I.A., Nathanailidis, K., Michaelidis, B. Seasonal changes of the energy reserves of the farmed species *Pagrus pagrus*.
- Papadopoulos, D., Lattos, A., Giantsis, I.A., Theodorou, I., Feidantsis, K., Michaelidis, B. The contribution of Conservation Physiology to the management of invasive ascidian biodeposition in mussel farms due to climate change
- Papadopoulos, D.K., Feidantsis, K., Lattos, A., Giantsis, I.A., Theodorou, I., Michaelidis, B., Assessment of oxidative stress caused by the settlement of surviving ascidians in cultured mussels (*Mytilus galloprovincialis*)

25. 8th Panhellenic Ecology Conference: Thessaloniki, October 20-23, 2016:

- Panteli, N., Feidantsis, K., Kaitetzidou, E., Sarropoulou, E., Michaelidis, B., Antonopoulou, E. Thermal acclimation of sea bream, *Sparus aurata* (Linnaeus, 1758): expression of the paralogous genes *Wap65-1* and *Wap65-2*
- Tsakoumis, E., Feidantsis, K., Tsoulia, T., Bobori, D., Antonopoulou, E. Protein response of the families of HSPs and MAPKs of the fish species *Alburnus vistoncus* to environmental changes

24. 16th Panhellenic Congress of Ichthyologists on the theme: "Aquatic Ecosystems - rational management and economic development", Kavala, October 6-9, 2016:

- Tsoulia, T., Tsakoumis, E., Feidantsis, K., Bobori, D., Antonopoulou, E. Preliminary results of the effect of changes in environmental parameters on the stress proteins Hsp70 and Hsp90 in the endemic species *Alburnus vistoncus*
- Zalamitsou, X., Karapanagiotis, S., Feidantsis, K., Chatzifotis, S., Antonopoulou, E. Investigation of ubiquitinylation, autophagic and apoptotic pathways after partial and total substitution of dietary fish oil with hazelnut oil in the liver of farmed skunk (*Argyrosomus regius*)
- Panteli, N., Kaitetzidou, E., Sarropoulou, E., Feidantsis, K., Michaelidis, B., Antonopoulou, E. *Wap65-2* in sea bream (*Sparus aurata*): Molecular characterization and study of gene expression under immunological in vivo challenge with LPS

23. 8th Panhellenic Conference of Ecology: Thessaloniki, 20-23 October 2016:

- Panteli N, Feidantsis K, Kaitetzidou E, Sarropoulou E, Michaelidis B, Antonopoulou E. Thermal acclimation of the gilthead sea bream, *Sparus aurata* (Linnaeus, 1758): expression of *Wap65-1* and *Wap65-2* paralogue genes.
- Tsakoumis E, Feidantsis K, Tsoulia T, Bobori D, Antonopoulou E. Proteins expression of HSPs and MAPKs family in fish species *Alburnus vistoncus* under environmental variations.

22. 16th Panhellenic Ichthyology Conference: "Aquatic Ecosystems", Kavala, 6-9 October 2016:

- Tsoulia T, Tsakoumis E, Feidantsis K, Bobori D, Antonopoulou E. Preliminary results of the effect of changes in environmental parameters on Hsp70 and Hsp90 stress proteins in the endemic species *Alburnus vistonicus*
- Zalamitsou C, Karapanagiotis S, Feidantsis K, Chatzifotis S, Antonopoulou E. E. Investigation of ubiquitination, autophagy and apoptotic pathways after partial and total replacement of dietary fish oil with hazelnut oil in the liver of meagre (*Argyrosomus regius*)
- Panteli N, Kaitetzidou E, Sarropoulou E, Feidantsis K, Michaelidis B, Antonopoulou E. Wap65-2 in the gilthead sea bream (*Sparus aurata*): Molecular characterization and study of gene expression under in vivo immunological challenge with LPS.

21. 13th Panhellenic Conference of Nutrition – Dietetics and 2nd Panhellenic Conference of Clinical Nutrition: Athens, 27-29 November 2015: Feidantsis K, Apostolidou K, Galatou E, Lazou A. Study of the possible beneficial effect of crocin on an animal model of diabetes.

20. 11th Panhellenic Symposium of Oceanography and Fisheries: Mytilene, 13-17 May 2015: Efstathiou P, Karapanagiotis S, Zalamitsou C, Feidantsis K, Kaitetzidou E, Chatzifotis S, Antonopoulou E. Activation of apoptotic and proteolytic cell pathways in farmed fish after administration of exogenous stimuli from food or by intraperitoneal injection.

19. 7th Panhellenic Conference of Ecology: Mytilene, 9-12 October 2014: Antonopoulou E, Chatzigiannidou I, Soumalevris A, Feidantsis K, Chatzifotis S. Effect of different temperatures on stress mechanisms of farmed fish: Indications of possible effects of climate change on fish farming locally.

18. 15th Panhellenic Conference of Ichthyology “Aquatic Ecosystems – uses, effects and management”, Thessaloniki, 10-13 October 2013:

- Feidantsis K, Anestis A, Antonopoulou E, Michaelidis B. Synergistic effects of low pH and temperature on the apoptosis pathway and antioxidant defense in the gilthead sea bream (*Sparus aurata*) liver.
- Chatzigiannidou I, Soumalevris A, Feidantsis K, Chatzifotis S, Antonopoulou E. Effect of different temperatures and starvation on two members (p38 MAPK & ERKs) of the pathway of mitogen-activated kinases (MAPKs) in the liver of meagre (*Argyrosomus regius*)

17. 14th Panhellenic Conference of Ichthyology: “Fisheries - Aquaculture, a versatile approach”, Piraeus, 6-9 May 2010: Feidantsis K, Pörtner, H.O., Michaelidis B. Seasonal changes in the metabolism and cellular response of the gilthead sea bream (*Sparus aurata*).

16. Panhellenic Congress of the Hellenic Centre of Marine Research (HCMR): “9th Panhellenic Symposium of Oceanography and Fisheries”, Patra, 13-16 May 2009: Feidantsis K, Antonopoulou E, Michaelidis B. Seasonal changes in aerobic capacity in the heart and liver of the gilthead sea bream, *Sparus aurata*.

15. 41st Scientific Conference of the Hellenic Society of Biological Sciences, Katerini, 9-11 May 2019

- Metabolic responses of the species *Callinectes sapidus* (Rathbun, 1896) at different habitats of the north Aegean Sea
- Metabolic responses of the species *Venus verrucosa* (Linnaeus, 1758) at different habitats of the north Aegean Sea
- Antioxidant defense of the species *Holothuria tubulosa* (Gmelin, 1791) at different habitats of the north Aegean Sea
- Antioxidant defense of the species *Sepia officinalis* (Linnaeus, 1758) at different habitats of the north Aegean Sea
- Expression levels of thermal and oxidative stress related genes in the Mediterranean mussel *Mytilus galloprovincialis* under exposed to increased seawater temperatures
- Molecular mechanisms for enhancing the heat resistance («hardening») of the marine species *Mytilus galloprovincialis*
- Study of anti-oxidizing enzymes and hsp's in the terrestrial snails *Eobania vermiculata* from populations with different geographical distribution

14. 69th Panhellenic Conference of the Hellenic Society of Biochemistry and Molecular Biology, Larisa, 23-25 November 2018: Treatment with crocin normalizes blood plasma metabolic profile and ameliorates myocardial metabolic dysfunction in STZ-induced diabetic rats

13. 8th Conference of biochemistry and Physiology of Exercise, Thessaloniki, 19-21 October 2018

- The effect of two low calorie diets, Mediterranean type and increased protein intake through diet, on body composition and health factors of overweight adolescents.
- Comparison between low calorie diets, Mediterranean and hyperprotein (protein supplement) type in body composition and health factors of overweight adolescents.

12. 40th Scientific Conference of the Hellenic Society of Biological Sciences, Veria, 24-26 May 2018

Opening speech:

- Seasonal molecular and metabolic patterns and their correlation to stress phenomena in aquaculture fish
- Energy metabolism patterns in the red muscle of *Sparus aurata* during exposure to elevated temperatures
- Body composition and dietary intake of track and field athletes
- Preliminary results of temperature response on the gene expression of fabps, ppars and mx protein in the liver of gilthead sea bream (*Sparus aurata*)

11. 12th Macedonian Conference of Nutrition and Dietetics, Thessaloniki, 11-13 May 2018:

- Effect of hypothermic Mediterranean diet and hypocaloric, hyperprotein diet with the use of whey supplement on body composition and basic metabolism of overweight adolescents.

10. 39th Scientific Conference of the Hellenic Society of Biological Sciences, Lamia, 25-27 May 2017:

- Effects of intense overheating on cellular markers of metabolic stress, autophagy and inflammation in the heart of the gilthead sea bream *Sparus aurata*
- Molecular and biochemical responses of *Modiolus barbatus* to increasing temperature and carbon dioxide (CO₂)
- Study of antioxidant enzymes in the muscle of the foot of the land snail *Helix lucorum* from populations with different altitude difference
- Study of the expression of heat shock proteins hsp70, hsp90 and MAPK p38 and ERKs in different species of land snails.

9. 38th Scientific Conference of the Hellenic Society of Biological Sciences, Kavala, 26–28 May 2016:

- “Investigation of the cardioprotective role of crocin in an animal model of diabetes”
- “Molecular and biochemical responses of *Modiolus barbatus* to increases in temperature and CO₂”

8. 37th Scientific Conference of the Hellenic Society of Biological Sciences, Volos, 21–23 May 2015:

- “Seasonal responses of heat shock proteins in the foot muscle of *Helix lucorum* from populations with different altitudinal distribution.
- “Effect of hazelnut oil substitution on the apoptotic and proteolytic pathways in the liver of meager, *Argyrosomus regius*”
- “The effects of fish oil substitution with hazelnut oil on some metabolic enzymes in the liver of meager, *Argyrosomus regius*”
- “Seasonal profile of autophagy and apoptosis in aquacultured species *Pagrus pagrus*”
- “WAP65 isoforms in gilthead sea bream (*Sparus aurata*): in silico analysis of partial sequence identification and preliminary expression studies.”

7. 36th Scientific Conference of the Hellenic Society of Biological Sciences, Ioannina, 8–10 May 2014:

- “Seasonal changes in the lipid oxidation in the tissues of farmed fish *Pagrus pagrus* and *Sparus aurata*”
- “Effect of lipopolysaccharide in the gilthead seabream (*Sparus aurata*) at post-translational level”
- “Effect of partial substitution of fish meal with insect meal on the metabolic and antioxidant enzymes of farmed European sea bass (*Dicentrarchus labrax*)”
- “Seasonal responses of heat shock proteins in the species of *Helix lucorum* from populations with different altitudinal distribution”
- “Effect of starvation and rearing temperature on antioxidant and apoptotic pathways in the liver of meager (*Argyrosomus regius*)”
- “Systematic granulomatosis in farmed meager (*Argyrosomus regius*): histological and molecular approach”.

6. 35th Scientific Conference of the Hellenic Society of Biological Sciences, Nafplio, 23–25 May 2013:

- “Seasonal variations of anti-/apoptotic and antioxidant proteins in the heart and gastrocnemius muscle of the water frog *Pelophylax ridibundus*”
- “Effect of starvation and re-feeding in induction of proteins-indicators of stress in european sea bass (*Dicentrarchus labrax*)”

- “Effect of starvation and various temperatures on the heat shock proteins levels in meagre (*Argyrosomus regius*)”
- “The effect of temperature on the antioxidant enzymatic defense of the new to aquaculture fish meagre (*Argyrosomus regius*)”

5. 34th Scientific Conference of the Hellenic Society of Biological Sciences, Trikala, 17–19 May 2012:

- “Upper thermal limits determination of the expression of Heat Shock Proteins (hsps) in the tissues of *Sparus aurata*”
- “Effect of starvation and re-feeding on antioxidant mechanisms of sea bass (*Dicentrarchus labrax*)”
- “Effect of taurine enriched diets on the biochemical stress and the antioxidant defences of the european sea bass (*Dicentrarchus labrax*)”
- “Seasonal variations of cellular stress response in the heart and gastrocnemius muscle of the water frog (*Rana ridibunda*)”

4. Panhellenic Conference of the Panhellenic Association of Bioscientists on the topic: "Environment and Health", Thessaloniki, 26-28 September 2008: "Preliminary results of seasonal biochemical and molecular changes in the species *Sparus aurata*"

3. 59th Panhellenic Conference of the Hellenic Society of Biochemistry and Molecular Biology, Athens, 7–9 December 2007: Tissue specific response of hsps and MAPKs in marine fish *Sparus aurata* exposed to increased temperature

2. 29th Scientific Conference of the Hellenic Society of Biological Sciences, Kavala, 17–19 May 2007: “Determination of upper thermal limits for activating the expression of heat shock proteins (hsps) in the tissues of *Sparus aurata* (sea bream)

1. 2nd Scientific Conference of the Environmental Council of the Aristotle University of Thessaloniki, Thessaloniki, 1–4 June 2006: “Assessment of the ecological quality of water at a French river station during the period 2004-2005”

SEMINARS

1. "Fishing utilization of holothurians in the Greek seas" Amphitheater of the Department of Agriculture, Ichthyology and Aquatic Environment, Faculty of Agricultural Sciences, University of Thessaly, Volos, April 13, 2022. Participation entitled: "Comparative seasonal study of the physiological responses of the species *Holothuria tubulosa* from two biotopes of the Northern Aegean in the context of the warming of the seas".
2. "Effects of ascidians on mussel cultures" KE.DE.A. – Center for Dissemination of Research Results of A.U.Th. – University, Thessaloniki, November 18, 2022. Participation entitled: "Impact of ascidians on the physiology of mussels-Cellular markers for early prediction".
3. "I know, I support the products of our place" Chamber of Florina in collaboration with the School of Agriculture of the University of Western Macedonia, Florina, December 21, 2022. Participation entitled: "Composition and nutritional value of traditional foods of Florina - development perspectives".
4. "Causes of Mortality of the *Pinna nobilis* (Pinna) in the Mediterranean Sea - Microbiological, Molecular, Physiological Approaches and Management Measures" KE.DE.A. – Center for Dissemination of Research Results of A.U.Th. – University,

Thessaloniki, May 12, 2023. Participation entitled: "Seasonality in synergy with the presence of multiple pathogens leads to mass mortality of the threatened *Pinna nobilis* on the Greek coasts: a pathophysiological approach".

5. "Mediterranean Aquaculture Health Management Conference" Tau Messolonghi Conference Center, May 25, 2023. Participation entitled: "A pathophysiological approach of the *P. nobilis* mass mortalities".

POST DOCTORAL WORK EXPERIENCE

- Member of more than 10 research programs funded by the European Union
- Member of the European COST Action (European Corporation in Science and Technology: Conservation Physiology)
- Journal: *Animals*, Special Issue: Aquatic animals and climate change: physiological, genetic, genomic, cellular and immunological adaptations. Special Issue Editor: Dr. Ioannis Giantsis, Dr. Costas Batargias, Dr. Konstantinos Feidantsis
- Reviewer in SCI Journals: *Acta Veterinaria Eurasia*, *Aquaculture*, *Aquaculture International*, *Aquaculture Research*, *Biocell*, *Biology MDPI*, *BMC Sport Science and Rehabilitation*, *Comparative Biochemistry and Physiology Part A*, *Comparative Biochemistry and Physiology Part B*, *Ecological Indicators*, *Environmental Toxicology and Pharmacology*, *Evidence-Based Complementary and Alternative Medicine*, *Fishes MDPI*, *Fish Physiology and Biochemistry*, *Journal of Thermal Biology*, *Journal of Biological Research*, *Journal of Obesity*, *Journal of Comparative Physiology B*, *Journal of Experimental Marine Biology and Ecology*, *Life Sciences Group*, *Marine Ecology Progress Series*, *Mediterranean Marine Science*, *Marine Ecology Progress Series*, *Marine Environmental Research*, *Pharmacological Reports*, *Reviews in Aquaculture*, *Toxics MDPI*.
- May 2004 – May 2005: Fulfillment of duties as Microbiological Laboratory Assistant at 424 GSNE Thessaloniki and 496 GSNE Didymoteicho, during the Military Service
- June 1999 – November 1999: Practical six-month internship at the Hippocrates General Hospital of Thessaloniki in the Departments of: Microbiology, Biochemistry, Hematology, Cytology and Blood Donation

TEACHING EXPERIENCE

Independent teaching experience at undergraduate and postgraduate levels at Aristotle University of Thessaloniki, University of Thessaly and University of Western Macedonia.

RESEARCH INTERESTS

Study of the effect of various environmental factors such as low or high temperature, increased CO₂, pollutants, diet quality, microbial load, etc. in the physiology of various animal organisms (fish, marine and terrestrial invertebrates, amphibians, mammals), their homeostasis and specifically in their adaptation to these changing environmental conditions. Specifically, the physiological, cellular, biochemical and molecular mechanisms of adaptation of animal organisms to environmental changes through specific cellular and molecular pathways (e.g. apoptosis, autophagy, inflammation, signaling, heat stress response), antioxidant defense (e.g. study of antioxidant enzymes and oxidizing agents), energy balance (enzymes of basic metabolism and metabolic products) and mitochondrial function and capacity are investigated. Due to the fact that the metabolism of energy stores and the development of metabolic markers (e.g. metabolites and by-products of metabolism)

contribute substantially to the establishment of metabolic patterns, in recent years, we have been researching metabolic patterns (metabolomics) together with those of genomics and proteomics. The latter aims to the provision of useful information about the physiological background of animal organisms, helping their subsequent management in order for their well-being but also their productivity to be increased.