

Dr Athanasios Exadactylos (PhD)
Professor on Aquatic Animal Genetics
- **Head of Hydrobiology-Ichthyology Laboratory (Hi_Lab)**
- **Head of MSc 'Sustainable Management of Aquatic Environment' (SMAE)**
- **Deputy Head of Animal Breeding & Genetics Research Institute (UTH-IASON)**
University of Thessaly (UTH), School of Agricultural Sciences (SAS)
Department of Ichthyology and Aquatic Environment (DIAE)
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- **Degrees:**
1993-1997 PhD in Flatfish Population Genetics, University of Liverpool, School of Biological Sciences, Port Erin Marine Lab, Isle of Man, UK
1987-1993 Higher Diploma in Agriculture, Department of Agriculture, School of Geotechnical Sciences, Aristotle University of Thessaloniki, Thessaloniki, Hellas
- **Academic positions held:**
2003- Professor on Aquatic Animal Genetics, University of Thessaly, School of Agricultural Sciences, Department of Ichthyology and Aquatic Environment, Volos, Hellas
- **Distinctions:**
2018- Experts Scientific Committee of the European Cooperation in Science & Technology (COST)
2016-2020 National Hellenic Aquaculture Council
2015-2020 Head of Dpt of Ichthyology & Aquatic Environment (DIAE)
2015-2016 Hellenic Quality Assurance and Accreditation Agency (HQA)
2015- Outer International Assessment Board of the Irish Research Council
2013- European Commission experts database for the "Horizon 2020" & the 7th Research Framework Program (FP7), No. EX2002B070992
2013- Referee/Certifier for the experts database-General Secretariat of Research & Technology (GSRT)
- **Member/Representative:**
2016-2020 Member of UTh Senate Board
2015-2020 Committee of UTh External Evaluation Progress
2013-2015 Committee of UTh Erasmus Office
2009-2013 Committee of monitoring/structuring postgraduate studies in UTh
2008-2013 Committee of UTh strategic planning
2008-2011 Administrative Board of the Hellenic Geotechnical Chamber
2005-2008 Member of the General Secretariat of Thessaly Prefecture
- **Chairing/Organizing Committee:**
2018 13th European Wildlife Disease Association (EWDA) Conference, Larissa, Hellas
2018 5th Hellenic Conference on Economics of Natural Resources & the Environment, ENVECON, Volos
2018 3rd International Congress on Applied Ichthyology and Aquatic Environment-HydroMediIT, Volos

PHD THESIS (1)

1. **Exadactylos A** (1997) Population Genetics of the Dover sole, *Solea solea* (Linnaeus, 1758) (Teleostei: Soleidae). PhD Thesis. University of Liverpool, School of Biological Sciences, Port Erin Marine Laboratory, IoM-UK: 221p

INVITED CHAPTERS IN SCIENTIFIC BOOKS (6)

2. Conides A, Klaoudatos D, Kalamaras M, Neofitou N, **Exadactylos A**, Papaconstantinou C, Klaoudatos S (2020) Capture Fisheries and Aquaculture Exploitation in the Aegean Sea Archipelago. In: The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg: pp. 1-26
3. Martsikalis PV, Gkafas GA, Palaiokostas C, **Exadactylos A** (2019) Genomics era on breeding aquaculture stocks. In: Lembo G, Mente E (Eds) Organic Aquaculture: Impacts and Future Developments. Springer Nature, Switzerland: pp. 65-77

INVITED SCIENTIFIC CHAPTERS EDITED IN GREEK (9)

4. **Exadactylos A** (2017) Mapping, Sequencing, Annotation and Databases. Lesk AM. *Introduction to Genomics 2012 - 2nd Edition*, Utopia Publishing: pp. 70-103
5. **Exadactylos A** (2017) Genomes are the Hub of Biology. Lesk AM. *Introduction to Genomics 2012 - 2nd Edition*, Utopia Publishing: pp. 36-69
6. **Exadactylos A** (2017) Introduction to Genomics. Lesk AM. *Introduction to Genomics 2012 - 2nd Edition*, Utopia Publishing: pp. 1-35

PUBLISHED PAPERS IN SCI REFEREED JOURNALS (34)

7. Feidantsis K, Giantsis IA, Vratsistas A, Makri S, Pappa AZ, Drosopoulou E, Anestis A, Mavridou E, **Exadactylos A**, Vafidis D, Michaelidis B (2020) 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* 319: R264-R281 [**5y-IF: 3.243**]
8. Gkafas GA, de Jong M, **Exadactylos A**, Raga JA, Aznar F, Hoelzel AR (2020) Sex-specific impact of inbreeding on fitness in the striped dolphin. *Proceedings of the Royal Society B-Biological Sciences* 287: 20200195 [**5y-IF: 5.386**]
9. Karamitros G, Gkafas GA, Giantsis IA, Martsikalis P, Kavouras M, **Exadactylos A** (2020) Model-based distribution and abundance of three Delphinidae in the Mediterranean. *Animals* 10 (2): 260 [**5y-IF: 1.832**]
10. Psafakis P, Karapanagiotidis IT, Malandrakis EE, Golomazou E, **Exadactylos A**, Mente E (2020) Effect of fishmeal replacement by hydrolyzed feather meal on growth performance, proximate composition, digestive enzyme activity, hematological parameters and growth-related gene expression of gilthead seabream (*Sparus aurata*). *Aquaculture* 521: 735006 [**5y-IF: 3.256**]
11. Parlapani F, Syropoulou F, Tsiartsafis A, Ekonomou S, Madesis P, **Exadactylos A**, Boziaris I (2020) HRM analysis as a tool to facilitate identification of bacteria from mussels during storage at 4°C. *Food Microbiology* 85: 103304 [**5y-IF: 4.608**]
12. Kavouras M, Malandrakis EE, Danis T, Blom E, Anastasiadis K, Panagiotaki P, **Exadactylos A** (2019) *Hox* genes polymorphism depicts developmental disruption of common sole eggs. *Open Life Sciences* 14 (1): pp. 549-563 [**5y-IF: 0.583**]
13. **Exadactylos A**, Vafidis D, Tsigenopoulos CS, Gkafas GA (2019) High connectivity of the white seabream (*Diplodus sargus*, L. 1758) in the Aegean Sea, eastern Mediterranean basin. *Animals* 9 (11): 979 [**5y-IF: 1.832**]
14. Gkafas GA, Hatzioannou M, Malandrakis EE, Tsigenopoulos CS, Karapanagiotidis IT, Mente E, Vafidis D, **Exadactylos A** (2019) Heterozygosity fitness correlations and generation interval of the Norway lobster in the Aegean Sea, eastern Mediterranean. *Journal of Biological Research-Thessaloniki* 26: 14 [**5y-IF: 1.806**]

15. Ekonomou G, Lolas A, Castritsi-Catharios J, Neofitou C, Zouganelis DG, Tsiropoulos N, **Exadactylos A** (2019) Mortality and effect on growth of *Artemia franciscana* exposed to two common organic pollutants. *Water* 11 (8): 1614 [5y-IF: 2.721]
16. Giantsis I, **Exadactylos A**, Feidantsis K, Michaelidis B (2019) First insights towards the population genetic structure and the phylogeographic status of the horse mussel (*Modiolus barbatus*) from the eastern Mediterranean. *Journal of the Marine Biological Association of the United Kingdom* 99 (5): pp. 1111-1118 [5y-IF: 1.367]
17. Kavouras M, Malandrakis EE, Golomazou E, Konstantinidis I, Blom E, Palstra AP, Anastasiadis K, Panagiotaki P, **Exadactylos A** (2019) *Hox* gene expression profiles during embryonic development of common sole. *Animal Biology* 69 (2): pp. 183-198 [5y-IF: 1.112]
18. Tsioli S, Orfanidis S, Papathanasiou V, Katsaros C, **Exadactylos A** (2019) Effects of salinity and temperature on the performance of *Cymodocea nodosa* and *Ruppia cirrhosa*: a medium-term laboratory study. *Botanica Marina* 62 (2): pp. 97-108 [5y-IF: 1.336]

PUBLISHED PAPERS IN REFEREED JOURNALS (3)

19. Kavouras M, Tsilika K, **Exadactylos A** (2017) A Computer Algebra System approach in gene expression analysis. *Progress in Industrial Ecology* 11 (1): pp. 49-60

PUBLISHED PAPERS IN REFEREED PROCEEDINGS (43)

20. Karamitros G, Gkafas GA, Giantsis IA, Martsikalis P, Kavouras M, Exadactylos A (2019) Design-based and model-based estimations of distribution and abundance of dolphin populations in Gulf of Corinth, Hellas. 16th International Conference on Environmental Science and Technology (CEST 2019), Cos island, Hellas: 00604

ABSTRACTS/POSTERS IN REFEREED CONFERENCES/SYMPOSIA (31)

21. Gkafas GA, de Jong M, **Exadactylos A**, Raga J-A, Balbuena J-A, Aznar FJ, Hoelzel RA (2018) Genome-wide screening and functional MHC components reveals susceptibility to lungworms in female striped dolphins. 13th European Wildlife Disease Association (EWDA) Conference, Larissa, Hellas, *Abstract*

TECHNICAL REPORTS/DATASETS (20)

22. *et al.*, **Exadactylos A** (2016) Biochemical mechanisms related to sole egg and larval quality, AquaEXCEL 2020, BIOSOLE final report

SCIENTIFIC EXPERIENCE

- **Editorship in peer-reviewed Journals (11):**
 - i. *Frontiers in: Ecology & Evolution / Genetics / Plant Science*, Gold open-access academic publisher, Swiss Federal Institute of Technology (EPFL), Switzerland
 - ii. *SpringerPlus*, a SpringerOpen Journal, Springer-Verlag, GmbH, Germany
 - iii. *International Aquatic Research*, a SpringerOpen Journal, Springer-Verlag, GmbH, Germany
- **Refereeing scientific papers (98) under potential publication in peer-reviewed Journals**
- **Refereeing scientific contributions (81) to Conferences/Symposia/Congresses**
- **Refereeing scientific proposals (92) for research funding grants**
- **Research Projects (24):**

2020-2022	<u>Project Leader:</u> Stock assessment of cod (<i>Merluccius merluccius</i>) in Toroneos Gulf (Halkidiki Peninsula). Budget/Funding Body: 64,580.10€/Region of Central Macedonia-EU
2019-2022	<u>Workpackage Leader:</u> EPAL 14-20/ Molecular identification of fish authenticity and adulteration in Greek market - FISH MID. Budget/Funding Body: 120,931.67€/Hellenic Ministry of Rural Development & Food-EU
2018-2020	<u>Project Leader:</u> EDBM34 (Biomonitoring of marine mammals in Eastern Mediterranean). Budget/Funding Body: 72,100€/Hellenic Ministry of Education & Research-EU
2015-2016	<u>Workpackage Leader:</u> AquaEXCEL 2020 "Biochemical mechanisms related to sole egg and larval quality" (BIOSOLE). Budget/Funding Body: 3,960€/DLO IMARES, Wageningen UR (University & Research Centre) -EU
2012-2015	<u>Project Leader:</u> THALES (Marine angiosperm tolerance on environmental stress: physiological-cellular-biochemical-molecular mechanisms related to species and habitat diversity). Budget/Funding Body: 512,820.50€/Hellenic Ministry of Education & Research-EU
2010-2013	<u>Workpackage Leader:</u> TOTAL FOUNDATION (Brown algal biodiversity and ecology in the eastern Mediterranean Sea). Budget/Funding Body: 19,338.84€/National & Kapodistrian Univ. of Athens-EU
2008-2010	<u>Project Leader:</u> EPAL II (Fisheries gene pool assessment in Hellenic salt-marshes). Budget/Funding Body: 65,025.56€/Hellenic Ministry of Rural Development & Food-EU
2005-2008	<u>Project Leader:</u> PYTHAGORAS II (Population conservation genetics of the striped dolphin, <i>Stenella coeruleoalba</i> within the ACCOBAMS area). Budget/Funding Body: 89,981.81€/Hellenic Ministry of Education & Research-EU
- **Institutional Projects (5):**

2017-	<u>Project Leader:</u> "MSc in Sustainable Management of Aquatic Environment (SMAE)" Budget/Funding Body: 8,105€
2017-2018	<u>Project Leader:</u> "Modernization of DIAE academic infrastructure" Budget/Funding Body: 19,724.74€/Hellenic Ministry of Education & Research
2016-2020	<u>Project Leader:</u> "Scholarships of DIAE undergraduates" Budget/Funding Body: 21,997.76€/Hellenic Ministry of Education & Research
2015-2020	<u>Project Leader:</u> "Vocational training of DIAE undergraduates" Budget/Funding Body: 263,978.49€/Hellenic Ministry of Education & Research
2015-	<u>Project Leader:</u> "Hydrobiology-Ichthyology Lab (Hi_Lab)" Budget/Funding Body: 215,091.66€/Various sources
- **Supervision/Co-supervision:**
 - i. (41) undergraduates
 - ii. (37) MSc postgraduates
 - iii. (08) PhD postgraduates
 - iv. (86) undergraduates on practical internship
 - v. (06) post-docs
- **Citations:**
 - -452- / Total IF: 63.399 / h index: 11
 - Cited by 186 authors from 89 Academic Institutions & Universities worldwide

(Sources: Scopus citation database, ISI Web of Knowledge & Publish or Perish v. 7.27)