

CURRICULUM VITAE

Name: Francesc Padrós

Nationality Spanish

QUALIFICATIONS & SCIENTIFIC AND ACADEMIC PROFILES:

-BVM e. Universitat Autònoma de Barcelona. July 1988.

-Postgraduate specialist in Fish culture .1989. Col.legi Universitari de Girona, Universitat Autònoma de Barcelona.

-PhDVM: "Aspectos histológicos y ultraestructurales del desarrollo larvario del rodaballo (Scophthalmus maximus) y estudio histopatológico de las alteraciones observadas en su cultivo".

PhD Director: Dr. Sílvia Crespo. Departament de Biologia Animal, de Biologia Vegetal i d'Ecologia. Universitat Autònoma de Barcelona. January, 19, 1995. "Cum Laude".

- Dipl. ECAAH

-Supervisor of 3 PhD theses

-Member of 24 PhD Dissertation committees.

-Former Meeting Secretary and member of the Council of the E.A.F.P. (European Association of Fish Pathologists). September 2001-September 2005

-Director of the XRAq (Xarxa de Recerca i Desenvolupament en Aqüicultura. Generalitat de Catalunya / Aquaculture Research and Development network. Catalan Government) (2016-2019)

-Vicepresident of the ECAAH /EBVS (European College of the Aquatic Animal Health / European Board of Veterinary Specialisation).

-WP leader in the H2020 project PerformFish (WP3: Health and Welfare).

-Guest speaker in the Fish Welfare Courses (2020 and 2021 issues)

PROFESSIONAL ACTIVITIES

- 1994-1997: UAB associated researcher . Animal Biology Unit. Veterinary Faculty. UAB.
 - ✚ Since 1998. Tecnic Superior de Suport a la Recerca . Technical manager of the “Servei de Diagnòstic Patològic en Peixos” (Fish Diseases Diagnostic Service). S3 Services. Veterinary Faculty, Universitat Autònoma de Barcelona.
 - ✚ Since 2009: Associated professor. UAB. Veterinary School: Diseases of Aquatic Animals specialist.
 - ✚ Member of the working Group “The Use of Fish Byproducts in Aquaculture”. 2002. European Commission
 - ✚ January 2006- may 2008, Assistant of the area of ‘Ganaderia y Pesca’ (livestocks and fisheries area), responsible of the fish health subsection of ANEP (Agencia Nacional de Evaluación y Prospectiva)
 - ✚ 2006: Member of the panel: Animal welfare aspects of husbandry systems for farmed European seabass and gilthead seabream - EFSA
 - ✚ 2010-2011: member of the Evaluation Panel for the *Animal and Veterinarian Sciences* area. Portuguese Foundation for Science and Technology (FCT)
 - ✚ 2011-2021: Secretary of the SEA (Spanish Aquaculture Society).
 - ✚ 2014. Member of the Board of the European College of Aquatic Animal Health (ECAAH)

MAIN SKILLS

- Fish Pathology

- ❑ Histopathological diagnostics
- ❑ Aquaculture health control
- ❑ Fish Larval Biology
- ❑ Larval Pathology

MAIN PUBLICATIONS:

Crespo, S., Padrós, F., Sala, R. and Marlasca, M.J. (1988). Gill structure of cultured *Salmo trutta* fario related to sampling techniques. *Diseases of Aquatic Organisms*. Vol 4: 219-221.

Crespo, S., Grau, A. and Padrós, F. (1990). Epitheliocystis disease in the cultured amberjack *Seriola dumerili* Risso (Carangidae). *Aquaculture*, 90: 197-206.

Padrós, F. Sala, R. and Crespo S. (1991). Organogenesis in turbot *Scophthalmus maximus*, larvae related to the main developmental stages. European Aquaculture Society, Special Publication No 15. Gent, Belgium. pgs. 213-215.

Padrós, F. and Crespo, S. (1991). Swimbladder invasion by enteric flora in turbot larvae (*Scophthalmus maximus* L.). *Bulletin of The European Association of Fish Pathologists* 11 (5), 174-175.

Crespo, S., Grau, A. and Padrós, F. (1992). Sanguinicoliasis in the cultured amberjack *Seriola dumerili* Risso, from the Spanish Mediterranean Area. *Bulletin of The European Association of Fish Pathologists* 12 (5), 157-159.

Padrós, F., Minkoff, G., Sala, R. and Crespo, S. (1993) Histopathological events through the development of turbot (*Scophthalmus maximus* L.) larvae. *Journal of Comparative Pathology*. Vol 109, 321-334.

Crespo, S., Sala, R., Padrós, F., Marlasca, M.J. and Grau, A. (1994). The Fish Gill as an indicator of the general Health Condition of wild and cultured fish. *Proceedings of the World Fisheries Congress*, Athens.

Crespo, S., Grau, A. and Padrós, F. (1994). The intensive culture of O+ amberjack in the Western Mediterranean is compromised by disease problems. *Aquaculture International* 2, 262-265.

Padrós, F. and Crespo, S. (1995). Proliferative epitheliocystis associated with monogenean infection in juvenile seabream *Sparus aurata* in the north East of Spain. *Bulletin of The European Association of Fish Pathologists* 15(5), 42-44.

Padrós, F. and Crespo, S. (1995). Swimbladder pathology during turbot (*Scophthalmus maximus* L.) larval development. ICES mar. Sci. Symp., 159-162.

Padrós, F. and Crespo (1996). Ontogeny of the lymphoid organs in the turbot *Scophthalmus maximus*: a light and electron microscope study. Aquaculture 144, 1-16.

Crespo, S., Sala, R., Padrós, F., Marlasca, M.J. and Grau, A. (1996). The fish gill as an indicator of the general health condition of wild or cultured fish. En: T.G. Heggberget (ed): The role of aquaculture in world fisheries, Oxford & IBH Publishing Co, New Delhi, pp: 42-51.

Padrós, F., Tort, Ll and Crespo, S. (1996). Winter disease in the gilthead seabream *Sparus aurata*: some evidences of a multifactorial etiology. En: B.Chatain, M. Saroglia, J. Sweetman, P. Lavens (eds). Seabass and Seabream culture: Problems and prospects. European Aquaculture Society, Oostende, pp 305-307.

Tort, Ll., Padrós, F., Rotllant, J. and Crespo, S. (1988). Winter syndrome in the gilthead seabream *Sparus aurata*: histopathological and immunological features. Fish Shellfish Immunology 8, 37-47.

Crespo, S., Zarza, C., Padrós, F. and Marín de Mateo, M. (1999) Epitheliocystis agents in sea bream *Sparus aurata*: morphological evidence of two distinct chlamydia-like developmental cycles. Disease of Aquatic Organisms 37:61-72.

Padrós, F., Zarza, C. and Crespo, S. (2001) Histopathology of cultured sea bream *Sparus aurata* infected with sanguinicolid trematodes. Diseases of Aquatic Organisms 44: 47-52.

Padrós, F., Palenzuela, O., Hispano, C., Tosas, O., Zarza, C., Crespo, S. and Alvarez-ellitero, P. (2001) . *Myxidium leei* (Myxozoa) infections in aquarium-reared Mediterranean fish species. Diseases of Aquatic Organisms 47: 57-62.

Crespo, S., Zarza, C. and Padrós, F. (2002) Epitheliocystis hyperinfection in seabass, *Dicentrarchus labrax* (L.): light and electron microscope observations. Journal of Fish Diseases 24: 557-560.

L. Tort, M. Puigcerver, S. Crespo, Padrós F. (2002). Cortisol and haematological response in sea bream and trout subjected to the anaesthetics clove oil and 2-phenoxyethanol. Aquaculture Research 33, 907-910.

Padrós, F., Crespo, S. (2002). Encephalitis associated with *Pseudomonas anguilliseptica* infection in winter syndrome affected sea bream *Sparus aurata*. European Aquaculture Society Special Publication 32, 407-408

Gallardo, M. A., Sala-Rabanal, M., Ibarz, A., Padrós, F., Blasco, J., Fernández-Borrás, J., Sánchez, J. (2003). Functional alterations associated with winter síndrome in gilthead sea bream (*Sparus aurata*). Aquaculture 223, 15-27

Tort, L., Rotllant, J, Liarte, C., Acerete, L., Hernandez, A., Ceulemans, S, Coutteau, P., Padros, F. (2004). Effects of temperature decrease on feeding rates, immune indicators and histopathological changes of gilthead seabream *Sparus aurata* fed with an experimental diet. *Aquaculture* 229, 55-65

Montero, F.E., Crespo, S., Padrós, A., De La Gándará, F., García, A. & Raga, J.A. (2004). Effects of the gill parasite *Zeuxapta seriolae* (Monogenea: Heteraxinidae) on the amberjack *Seriola dumerili* Risso (Teleostei: Carangidae) *Aquaculture* 232, 153-163

Padrós, F., Jarque, L., Carrasson, M. Crespo, S. (2004). Hepatic coccidiosis in gilthead sea bream from the wild: a potential new disease problem for cultured sea bream? *European Aquaculture Society Special Publication* 34, 635-636.

Palenzuela, O., Agnetti, F., Albiñana, G., Alvarez-Pellitero, P., Athanassopoulou, F., Crespo, S., Diamant, A., Ghittino, C., Golomazou, H., Le Breton, A. Lipshitz, A., Marques, A., Padrós, F. , Ram, S. Raymond, J.C. (2004). Applicability of PCR screening for the monitoring of *Enteromyxum leei* (Myxozoa) infection in Mediterranean Aquaculture: an epidemiological survey in sparid facilities. *European Aquaculture Society Special Publication* 34, 639-640.

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M. Constenla, F. Padrós (2010) Histopathological and ultrastructural studies on a novel pathological condition in *Solea senegalensis*. *Diseases of Aquatic Organisms* 90: 191-196.

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Vendramin, N., Padrós, F., Pretto, T., Cappellozza, E., Panzarin, V., Bovo, G., Toffan, A. And Terregino, C. (2012), Viral encephalopathy and retinopathy outbreak in restocking facilities

of the endangered freshwater species, *Salaria fluviatilis* (Asso). Journal of Fish Diseases, 35: 867–871. doi: 10.1111/j.1365-2761.2012.01429.x

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Dallarés, S., Constenla, M, Padrós, F., Cartes, J., Solé, M and Carrasson, M. (2014) Parasites of the deep-sea fish *Mora moro* (Risso, 1810) from the NW Mediterranean Sea and relationship with fish diet and enzymatic biomarkers. Deep Sea Research I 92, 115-126.

Pérez-I-García, D., Constenla M., Padros F., Soler-Membrives, A. Solé, M. And Carrassón, M. (2015). Parasite communities of the deep-sea fish *Alepocephalus rostratus* Risso, 1820 in the Balearic Sea (NW Mediterranean) along the slope and relationships with enzymatic biomarkers and health indicators. Deep-Sea Research I, 99, 65–74´

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Faria, M., Garcia-Reyero, N., Padrós, F., Babin, P., Sebastián, D., Cachot, J., Prats, E., Arick li, M., Rial, E., Knoll-Gellida, A., Mathieu, G, Le Bihanic, F. Escalon, B. L.-Zorzano, A., Soares, A. M.M., Raldúa, D. (2015). Zebrafish Models for Human Acute Organophosphorus Poisoning- Scientific Reports- 2015/10/22/online.UR - <http://dx.doi.org/10.1038/srep15591>.

Constenla, M., Padrós, F., Del Pozo, R. And Palenzuela, O. (2016), Development of different diagnostic techniques for *Endolimax piscium* (archamoebae) and their applicability in *Solea senegalensis* clinical samples. J Fish Dis, 39: 1433–1443. doi:10.1111/jfd.12480

Dallarés, S., Moyà-Alcover, C.M., Padrós, F. Cartes, J.E., Solé, M, Castañeda, C, Carrassón, M (2016) The parasite community of *Phycis blennoides* (Brünnich, 1768) from the Balearic Sea in relation to diet, biochemical markers, histopathology and environmental variables, Deep

Sea Research Part I: Oceanographic Research Papers, Volume 118, December 2016, Pages 84-100, ISSN 0967-0637,

Toffan, A. Pascoli, F., Pretto, T. Panzarin, V. Abbadi, M., Buratin, A., Quartesan, R. Gijón, D. Padrós, F. (2017). Viral nervous necrosis in gilthead sea bream (*Sparus aurata*) caused by reassortant betanodavirus RGNNV/SJNNV: an emerging threat for Mediterranean aquaculture. Scientific Reports- 2017/05/02/online.

Dallarés, S. Padrós, F., Cartes, J.E., Solé, M., Carrassón, M. The parasite community of the sharks *Galeus melastomus*, *Etmopterus spinax* and *Centroscymnus coelolepis* from the NW Mediterranean deep-sea in relation to feeding ecology and health condition of the host and environmental gradients and variables, Deep Sea Research Part I: Oceanographic Research Papers *DeAvailable online 28 September 2017.*

Prats, E., Gómez-Canela, C., Ben-Lulu, S., Ziv, T., Padrós, F., Tornero, D., Garcia-Reyero, N., Tauler, R., Admon, A. & Raldúa, D. (2017) Modelling acrylamide acute neurotoxicity in zebrafish larvae. Scientific Reports 7: 13952 DOI:10.1038/s41598-017-14460 Q1

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