Producció científica derivada de les tesis defensades al programa de Doctorat en Ecologia Marina

Any de defensa	Doctorand/a	Títol de la tesi
2017	Carlos Díaz Gil	Settlement and recruitment processes in fish species of interest for recreational fisheries

Contribucions científiques derivades:

Catalán, I. A., Alòs, J., Díaz Gil, C., Pérez Mayol, S., Basterretxea, G., Morales Nin, B., i Palmer, M. (2018). Potential fishing-related effects on fish life history revealed by otolith microchemistry. *Fisheries research, 199,* 186-195. <https://doi.org/10.1016/j.fishres.2017.11.008> . Q1, I. F.: 2.34.

Díaz Gil, C., Alòs, J., Arechavala López, P., Palmer, M., Riera Batle, I., Grau, A., i Catalán, I. A. (2020). Reversible morphological changes in a juvenile marine fish after exposure to predatory alarm cues. *Royal Society Open Science, 7.* <https://doi.org/http://dx.doi.org/10.1098/rsos.191945>. Q1, I. F.: 2.515.

Díaz Gil, C., Catalán, I. A., Palmer, M., Faulk, C. K., i Fuiman, L. A. (2015). Ocean acidification increases fatty acids levels of larval fish. *Biology letters, 11(7).* <https://doi.org/10.1098/rsbl.2015.0331>. Q1, I. F.: 3.035.

Díaz Gil, C., Cotgrove, L., Smee, S. L., Simón Otegui, D., Hinz, H., Grau, A., i Catalán, I. A. (2017). Anthropogenic chemical cues can alter the swimming behaviour of juvenile stages of a temperate fish. *Marine environmental research, 125,* 34–41. <https://doi.org/10.1016/j.marenvres.2016.11.009>. Q1, I. F.: 3.206.

Díaz Gil, C., Grau, A., Grau, A. M., Palmer, M., Cabrera-Castro, R., Jordà, G., i Catalán, I. A. (2019). Changes in the juvenile fish assemblage of a Mediterranean shallow Posidonia oceanica seagrass nursery area after half a century. *Mediterranean marine science, 4(3),* 57-66. <https://doi.org/https://doi.org/10.12681/mms.19510>. Q1, I. F.: 1.811.

Díaz Gil, C., Palmer, M., Catalán, I. A., Alòs, J., Fuiman, L. A., García, E., i Morales Nin, B. (2015). Otolith fluctuating asymmetry: a misconception of its biological relevance?

ICES *Journal of marine science, 72(7),* 2079-2089. < https://doi.org/10.1093/icesjms/fsv067>. Q1, I. F.: 2.357.

Díaz Gil, C., Smee, S. L., Cotgrove, L., Follana Berná, G., Hinz, H., Martí Puig, P., i Catalán, I. A. (2017). Using stereoscopic video cameras to evaluate seagrass meadows nursery function in the Mediterranean. *Marine biology, 164(6),* 137. <https://doi.org/10.1007/s00227-017-3169-y>.

Any de defensa	Doctorand/a	Títol de la tesi
2018	Edurne Blanco Rodríguez	Experimental studies on growth and survival in Atlantic bluefin tuna (*Thunnus thynnus*) and Atlantic bonito (*Sarda sarda*) larvae. Effects of light, food availability and temperature on their physiology and behavior

Contribucions científiques derivades:

Blanco, E., Reglero, P., Hernández de Rojas, A., Ortega, A., de la Gándara, F., i Folkvord, A. (submitted). The effect of nutritional condition on the growth to post-flexion of Atlantic bluefin tuna and Atlantic bonito larvae. *Journal of experimental marine biology and ecology (chapter 3)*. Q2, I. F.: 2.365.

Blanco, E., Reglero, P., Ortega, A., de la Gándara, F., i Folkvord, A. (2018). Size selective mortality of laboratory-reared Atlantic bluefin tuna larvae: evidence from microstructure analysis of otoliths during the piscivorous phase. *Journal of experimental marine biology and ecology 509 (chapter 4),* 36-43. Q2, I. F.: 2.365.

Blanco, E., Reglero, P., Ortega, A., de la Gándara, F., Fiksen, Ø., i Folkvord, A. (2017). The effects of light, darkness and intermittent feeding on the growth and survival of reared Atlantic bonito and Atlantic bluefin tuna larvae. *Aquaculture 479 (chapter 5),* 233-239. Q1, I. F.: 3.022.

Reglero, P., Blanco, E., Alemany, F., Ferrá, C., Álvarez Berastegui, D., Ortega, A., de la Gándara, F., Aparicio González, A., i Folkvord, A. (2018). Vertical distribution of Atlantic bluefin tuna Thunnus thynnus and bonito Sarda sarda larvae is related to temperature preference. *Marine ecology progress series 594 (chapter 7),* 231-243. Q2, I. F.: 2.359.

Any de defensa	Doctorand/a	Títol de la tesi
2019	Maria Teresa Farriols Garau	Diversity of demersal fish assemblages in the Mediterranean

Contribucions científiques derivades:

PUBLICACIONS

- **Farriols M. T.**, Ordines, F., Carbonara, P., Casciaro, L., di Lorenzo, M., Esteban, A., Follesa, C., García Ruiz, C., Isajlovic, I., Jadaud, A., Ligas, A., Manfredi, C., Marceta, B., Peristeraki, P., Vrgoc, N., i Massutí, E. (2019). Spatio-temporal trends in diversity of demersal fish assemblages along the Mediterranean. *Scientia Marina*, *83S1*: 189-206. <https://doi.org/10.3989/scimar.04977.13A>. Índex d'impacte: 1.252.

- **Farriols M. T.**, Ordines, F., Somerfield, P. J., Pasqual, C., Hidalgo, M., Guijarro B., i Massutí, E. (2017). Bottom trawl impacts on Mediterranean demersal fish diversity: Not so obvious or are we too late? *Continental shelf research, 137*: 84-102. <https://doi.org/10.1016/j.csr.2016.11.011>. Índex d'impacte: 2.134. 2n quartil.

- **Farriols M. T.**, Ordines, F., Hidalgo, M., Guijarro, B., i Massutí, E. (2015). N_{90} index: a new approach to biodiversity based on similarity and sensitive to direct and indirect fishing impact. *Ecological indicators*, *52*: 245-255. <https://doi.org/10.1016/j.ecolind.2014.12.009>. Índex d'impacte: 4.490. 1r quartil.

- **Farriols M. T.**, Ordines, F., Hidalgo, M., i Massutí, E. (2014). N_{90} index: a new approach to biodiversity based on similarity and sensitive to direct and indirect fishing impact [Abstract]. Recuperat de: Ríos, P., Suárez, L. A., i Cristobo, J. (eds.). *XVIII Simposio Ibérico de Estudios de Biología Marina. Libro de resúmenes.* Centro Oceanográfico de Gijón, 252.

CONGRESSOS

- **Farriols M. T.**, Ordines, F., Hidalgo, M., i Massutí, E. (2014). N_{90} index: a new approach to biodiversity based on similarity and sensitive to direct and indirect fishing impact. XVIII Simposio Ibérico de Estudios de Biología Marina SIEBM, Gijón, 2-5 de setembre de 2014 (comunicació oral).

Any de defensa	Doctorand/a	Títol de la tesi
2019	Joan Salvador Font Muñoz	Caracterización de la estructura de tamaños y composición del fitoplancton marino mediante difractometría láser

Contribucions científiques derivades:

Font Muñoz, J. S., Jeanneret, R., Tuval, I., i Basterretxea, G. (2020). Method for the determination of preferential orientation of marine particles from laser diffraction measurements. *Optics express*, *28*(9), 14085-14099.

Basterretxea, G., Font Muñoz, J. S., i Tuval, I. (2020). Phytoplankton orientation in a turbulent ocean: a microscale perspective. *Frontiers in marine science*, *7*, 185.

Font Muñoz, J. S., Jeanneret, R., Arrieta, J., Anglès, S., Jordi, A., Tuval, I., i Basterretxea, G. (2019). Collective sinking promotes selective cell pairing in planktonic pennate diatoms. *Proceedings of the National Academy of Sciences*, *116*(32), 15997-16002. Q1, I. F.: 3.086.

Salgado Hernanz, P. M., Racault, M. F., Font Muñoz, J. S., i Basterretxea, G. (2019). Trends in phytoplankton phenology in the Mediterranean Sea based on ocean-colour remote sensing. *Remote sensing of environment*, *221*, 50-64. Q1, I. F.: 8.218.

Basterretxea, G., Font Muñoz, J. S., Salgado Hernanz, P. M., Arrieta, J., i Hernández-Carrasco, I. (2018). Patterns of chlorophyll interannual variability in Mediterranean biogeographical regions. *Remote sensing of environment*, *215*, 7-17. Q1, I. F.: 8.218.

Font Muñoz, J. S., Jordi, A., Anglès, S., Ferriol, P., Garcés, E., i Basterretxea, G. (2018). Assessing phytoplankton community composition using combined pigment and particle size distribution analysis. *Marine ecology progress series*, *594*, 51-63. Q2, I. F.: 2.359.

Basterretxea, G., Torres Serra, F. J., Alacid, E., Anglès, S., Camp, J., Ferrera, I., i Salgado Hernanz, P. M. (2018). Cross-shore environmental gradients in the western mediterranean coast and their influence on nearshore phytoplankton communities. *Frontiers in marine science*, *5*, 78. Q1, I. F.: 3.086.

Font Muñoz, J. S., Jordi, A., Tuval, I., Arrieta, J., Anglès, S., i Basterretxea, G. (2017). Advection by ocean currents modifies phytoplankton size structure. *Journal of the royal society interface*, *14*(130), 20170046. Q1, I. F.: 3.224.

Font Muñoz, J. S., Jordi, A., Anglès, S., i Basterretxea, G. (2015). Estimation of phytoplankton size structure in coastal waters using simultaneous laser diffraction and fluorescence measurements. *Journal of plankton research*, *37*(4), 740-751. Q2, I. F.: 2.209.

Rodellas, V., García Orellana, J., Masqué, P., i Font Muñoz, J. S. (2015). The influence of sediment sources on radium-derived estimates of Submarine Groundwater Discharge. *Marine chemistry*, *171*, 107-117. Q1, I. F.: 2.713.

Any de defensa	Doctorand/a	Títol de la tesi
2019	Laura Pereda Briones	Seagrass ecology: environmental conditions and processes that affect the establishment and fate of seedlings

Contribucions científiques derivades:

Pereda Briones, L., Infantes, E., Orfila, A., Tomás, F., i Terrados, J. (2018). Dispersal of seagrass propagules: interaction between hydrodynamics and substratum type. *Marine Ecology Progress Series, 593 (chapter 1)*, 47-59. Q2, I. F.: 2.359.

Pereda Briones, L., Terrados, J., i Tomás, F. (2019). Negative effects of warming on seagrass seedlings are not exacerbated by invasive algae. *Marine pollution bulletin, 141* (chapter 3), 36-45. Q1, I. F.: 3.782.

Any de defensa	Doctorand/a	Títol de la tesi
2019	Paula María Salgado Hernanz	Patterns of phytoplankton and primary production variability in the Mediterranean Sea based on remote sensing data

Contribucions científiques derivades:

Salgado Hernanz, P. M., Racault, M. F., Font Muñoz, J. S., i Basterretxea, G. (2019). Trends in phytoplankton phenology in the Mediterranean Sea based on ocean-color remote sensing. *Remote sensing of the environment (221)* (ISSN 0034-4257), febrer, 50-64. doi: 10.1016/j.rse.2018.10.036. Q1, I. F.: 8.218.

Basterretxea, G., Font Muñoz, J. S., Salgado Hernanz, P. M., Arrieta, J., i Hernández Carrasco, I. (2018). Patterns of chlorophyll interannual variability in Mediterranean biogeographical regions. *Remote sensing of the environment (215) (ISSN 0034-4257)*, 15 September, 7-17. doi:10.1016/j.rse. 2018.05.027. Q1, I. F.: 8.218.