

Liste complète des publications
1990-2020

2020

- Boissin, E., Neglia, V., Baksay, S.,** Micu, D., Bat, L., Topaloglu, B., Todorova, V., Panayotova, M., Kruschel, C., Milchakova, N., Voutsinas, E., Beqiraj, S., Nasto, I., Aglieri, G., Taviani, M., Zane, L., **Planes, S.**, 2020. Chaotic genetic structure and past demographic expansion of the invasive gastropod *Tritia neritea* in its native range, the Mediterranean Sea. *Scientific Reports*, 10: 21624. **IF 3.998.**
- Ian A Bouyoucos, Sue-Ann Watson, Serge Planes, Colin A Simpfendorfer, Gail D Schwieterman, Nicholas M Whitney, Jodie L Rummer. 2020. The power struggle: assessing interacting global change stressors via experimental studies on sharks. *Scientific Reports* 10 (1), 1-12
- Ian A Bouyoucos, Phillip R Morrison, Ornella C Weideli, Eva Jacquesson, Serge Planes, Colin A Simpfendorfer, Colin J Brauner, Jodie L Rummer. 2020. Thermal tolerance and hypoxia tolerance are associated in blacktip reef shark (*Carcharhinus melanopterus*) neonates. *Journal of Experimental Biology* 223 (14): jeb221937. DOI: <https://doi.org/10.1242/jeb.221937>
- Carradec, Q., Poulain, J., **Boissin, E.**, Hume, B.C.C., Voolstra, C.R., Ziegler, M., Engelen, S., Cruaud, C., **Planes, S.**, Wincker, P., 2020. A framework for in situ molecular characterization of coral holobionths using nanopore sequencing. *Scientific Reports*, 10: 15893. **IF 3.998.**
- Clua, E.G.**, Linnell, J.D.C., **Planes, S.**, Meyer, C.G., 2020. Selective removal of problem individuals as an environmentally responsible approach for managing shark bites on humans. *Ocean and Coastal Management*, 194: 105266. **IF 2.595.**
- Dubé, C.E., Boissin, E., Mercière, A., Planes, S.**, 2020a. Parentage analyses identify local dispersal events and sibling aggregations in a natural population of *Millepora* hydrocorals, free-spawning marine invertebrate. *Molecular Ecology*, doi: 10.1111/mec.15418. **IF 6.131.**
- Dubé, C.E.**, Bournaud, A.F., Mercière, A., **Planes, S., Boissin, E.**, 2020b. *Ecology, biology and genetics of Millepora hydrocorals on coral reefs*: 15-50. In: *Invertebrates Ecophysiology and Management*, Eds. S. Ray, G. Diarte-Plata, R. Escamilla-Montes, IntechOpen.
- Feio MJ, Filipe AF, Garcia-Raventos A, Ardura A, Calapez AR, Pujante AM, Mortagua A, Murria C, Diaz-de-Quijano D, Martins F, Duarte S, Sainz Barriain M, Cordeiro R, Rivera SF, Vaisanen LOS, Fonseca A, Goncalves V, Garcia-Vazquez E, Rodriguez DV, Ivanova EA, Costa FO, Barquin J, Rojo V, Vierna J, Fais M, Suarez M, Nieminen M, Hammers-Wirtz M, Kolmakova O, Trusova MY, Beja P, Gonzalez R, Planes S, Almeida SFP. 2020. Advances in the use of molecular tools in ecological and biodiversity assessment of aquatic ecosystems. *Limnetica* 39 (1) 419-440.
- Dzimban, Sebastian Steinau, F Tettich, S Planes, D Allemand, S Agostini, B Banaigs, E Boissin, E Boss, E Douville, D Forcioli, P Furla, PE Galand, MB Sullivan, É Gilson, F Lombard, C Moulin, S Pesant, J Poulain, S Reynaud, S Romac, S Sunagawa, OP Thomas, R Troublé, C de Vargas, R Vega Thurber, CR Voolstra, P Wincker, D Zoccola, C Bowler, G Gorsky, Y Rudich, A Vardi, I Koren. 2020. [Tara Pacific Expedition's Atmospheric Measurements of Marine Aerosols across the Atlantic and Pacific Oceans: Overview and Preliminary Results](#). *BAMS*. 101, 5: E536-E554.
- García-March JR, Tena J, Henandis S, Vázquez-Luis M, López D, Téllez C, Prado P, Navas JI, Bernal J, Catanese G, Grau A, López-Sanmartín M, Nebot-Colomer E, Ortega A, Planes S, Kersting D, Jimenez S, Hendriks I, Moreno D, Giménez-Casalduero F, Pérez M, Izquierdo A, Sánchez J, Vicente N, Sanmarti N, Guimerans M, Crespo JL, Valencia JM, Torres J, Barrajon A, Álvarez E,

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- E Garcia-Vazquez, A Ardura, S Planes. 2020. DNA mtCOI Barcodes for Maritime Biosecurity: A Proof of Concept in French Polynesia Ports. *Frontiers in Ecology and Evolution* 8. DOI: [10.3389/fevo.2020.00179](https://doi.org/10.3389/fevo.2020.00179). (IF 2.416)
- Daphné Grulois, Raissa Iris Hogan, Stéphane Paygambar, Serge Planes, Cécile Fauvelot. 2020. New microsatellite DNA markers to resolve population structure of the convict surgeonfish, *Acanthurus triostegus*, and cross-species amplifications on thirteen other Acanthuridae. *Molecular Biology Reports* 47 (10), 8243-8250.
- Irán A Guzmán-Méndez, Renata Rivera-Madrid, Serge Planes, Emilie Boissin, Aldo Cróquer, Esteban Agudo-Adriani, Carlos González-Gándara, Horacio Perez-España, Ana Giro-Petersen, Jenny Luque, María del C García-Rivas, Margarita Aguilar-Espinosa, Jimmy Arguelles Jiménez, Jesus E Arias-González. 2020. Genetic connectivity of lionfish (*Pterois volitans*) in marine protected areas of the Gulf of Mexico and Caribbean Sea. *Ecology and Evolution* 10 (9), 3844-3855
- Mourier, J., Claudet, J., Planes, S.,** 2020. Human-induced shifts in habitat use and behaviour of a marine predator: the effects of bait provisioning in the black tip reef shark. *Animal Conservation*, doi: 10.1111/acv.12630. **IF 2.02.**
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- Céline MO Reisser, Romain Le Gendre, Cassandre Chupeau, Alain Lo-Yat, Serge Planes, Serge Andréfouët. 2020. Population Connectivity and Genetic Assessment of Exploited and Natural Populations of Pearl Oysters within a French Polynesian Atoll Lagoon. *Genes* 11 (4), 426.
- JL Rummer, IA Bouyoucos, J Mourier, N Nakamura, S Planes. 2020. Responses of a coral reef shark acutely exposed to ocean acidification conditions. *Coral Reefs* 39 (5), 1215-1220
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- Tardy, C., Planes, S.,** Jung, J.L., Ody, D., **Boissin, E.,** 2020. Characterization of 25 new microsatellite markers for the fin whale (*Balaenoptera physalus*) and cross-species amplification in other cetaceans. *Molecular Biology Reports*, <https://doi.org/10.1007/s11033-020-05757-0>. **IF 1.402.**

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- Boissin E, Thorrold SR, Braun CD, Zhou Y, Clua EE, Planes S, 2019. Contrasting global, regional and local patterns of genetic structure in gray reef shark populations from the Indo-Pacific region. *Scientific Reports* 9.
- Cabanellas-Reboredo M, Vázquez-Luis M, Mourre B, Álvarez E, Deudero S, Amores A, Addis P, Ballesteros E, Barrajón A, Coppa S, Rafael García-March J, Giacobbe S, Giménez Casalduero F, Hadjioannou L, Jiménez-Gutiérrez SV, Katsanevakis S, Kersting D, Mačić V, Mavrič B, Patti FB,

- Planes S, Prado P, Sánchez J, Tena-Medialdea J, de Vaugelas J, Vicente N, BelkhamssaFZ, Zupan I, Hendriks IE, 2019. Tracking a mass mortality outbreak of pen shell *Pinna nobilis* populations: A collaborative effort of scientists and citizens. *Scientific Reports* 9.
- Casey JM, Meyer CP, Morat F, Brandl SJ, Planes S, Parravicini V, 2019. Reconstructing hyperdiverse food webs: Gut content metabarcoding as a tool to disentangle trophic interactions on coral reefs. *Methods in Ecology and Evolution* 10, 1157-1170.
- Chin A, Baje L, Donaldson T, Gerhardt K, Jabado RW, Kyne PM, Mana R, Mescam G, Mourier J, Planes S, Wen C, 2019. The scientist abroad: Maximising research impact and effectiveness when working as a visiting scientist. *Biological Conservation*, 238 : 108231.
- Ciotti BJ, Planes S, 2019. Within-generation consequences of postsettlement mortality for trait composition in wild populations: An experimental test. *Ecology and Evolution* 9, 2550-2561.
- Clua E, Planes S, 2019. First record of Carolines parrotfish (*Calotomus carolinus*) and king angelfish (*Holacanthus passer*) around the Clipperton Atoll La Passion Island (North-Eastern Tropical Pacific). *Cybium* 43, 285-287.
- Cocquempot LM, Delacourt C, Paillet J, Riou P, Lamarche S, Ballu V, Castelle B, Charria G, Claudet J, Conan P, Hocdé R, Planes S, Raimbault P, Savoye N, Testut L, Vuillemin R, 2019. Coastal Ocean and Nearshore Observation: A French Case Study. *Frontiers in Marine Science* 6. 324.
- Delrieu-Trottin E, Williams JT, Pitassy D, Driskell A, Hubert N, Viviani J, Cribb TH, Espiau B, Galzin R, Kulbicki M, Lison de Loma T, Meyer C, Mourier J, Mou-Tham G, Parravicini V, Plantard P, Sasal P, Siu G, Tolou N, Veuille M, Weigt L, Planes S, 2019. A DNA barcode reference library of French Polynesian shore fishes. *Scientific Data* 6. 595793
- Delser PM, Corrigan S, Duckett D, Suwalski A, Veuille M, Planes S, Naylor GJP, Mona S, 2019. Demographic inferences after a range expansion can be biased: the test case of the blacktip reef shark (*Carcharhinus melanopterus*). *Heredity* 122, 759-769.
- Dube CE, Ky CL, Planes S, 2019. Microbiome of the black-lipped pearl oyster *Pinctada margaritifera*, a multi-tissue description with functional profiling. *Frontiers in Microbiology* 10. 1548.
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- Ky CL, Blay C, Broustal F, Koua MS, Planes S, 2019. Relationship of the orange tissue morphotype with shell and pearl colouration in the mollusc *Pinctada margaritifera*. *Scientific Reports* 9.
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- Moussa R.M., Fogg, L., Bertucci, F., Calandra, M., Collin, A., Aubanel, A., Polti, S., Benet, A., Salvat, B., Galzin, R., et al. (2019). Long-term coastline monitoring on a coral reef island (Moorea, French Polynesia). *Ocean & Coastal Management* 180. 104928
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Serge Planes, Stefan Strungaru, Valentina Ruseva Todorova, Emanuela Voutsinas, Lorenzo Zane. (2019). A Genome-Wide Approach to the Phylogeography of the Mussel *Mytilus galloprovincialis* in the Adriatic and the Black Seas. *Frontiers in Marine Science* 6. In press.

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Stenger, P.L., Vidal-Dupior, J., Reisser, C., Planes, S., and Ky, C.L. (2019). Colour plasticity in the shells and pearls of animal graft model *Pinctada margaritifera* assessed by HSV colour quantification. *Scientific Reports* 9. 7520

Vercelloni, J., Kayal, M., Chancerelle, Y., and Planes, S. (2019). Exposure, vulnerability, and resiliency of French Polynesian coral reefs to environmental disturbances. *Scientific Reports* 9. e1027

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- 249 - Torrente F., Bambridge T., **Planes S.**, Guiart J., Clua E.G. 2018. Sea Swallowers and Land Devourers: Can Shark Lore Facilitate Conservation? *Human Ecology*, 46 : 717-726.
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- 245 - Blay C., **Planes S.**, Ky C.-L. 2018. Optimal age of the donor graft tissue in relation to cultured pearl phenotypes in the mollusc, *Pinctada margaritifera*. *PLoS one*, 13 : e0198505.
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- 237 - Bussotti S., Di Franco A., Nike Bianchi C., Chevaldonné P., Egea L., Fanelli E., Lejeune C., Musco L., Navarro-Barranco C., Pey A., **Planes S.**, Vieux-Ingrassia J.V., Guidetti P. 2018. Fish mitigate trophic depletion in marine cave ecosystems. *Scientific reports*, 8 : 9193.
- 236 - Delrieu-Trottin E., Neglia V., Verducci M., **Planes S.** 2018. Origin, Genetic Diversity, and Population History of a Marine Population (*Chanidae: Chanos chanos*) in an Enclosed Lagoon in French Polynesia. *Pacific Science*, 72 : 223-231

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- 231 - Dubé C.E., **Planes S.**, ZhouY., Berteaux-Lecellier V., Boissin E.. 2017. Genetic diversity and differentiation in reef-building *Millepora* species, as revealed by cross-species amplification of fifteen novel microsatellite loci. *Peer J*, e2936.
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- 229 - Mourier J., Brown C., **Planes S.** 2017. Learning and robustness to catch-and-release fishing in a shark social network. *Biol. Lett.* 13: 20160824.
- 228 - Ardura A., **Planes S.** 2017. Rapid assessment of non-indigenous species in the era of the eDNA barcoding: A Mediterranean case study. *Estuarine, Coastal and Shelf Science* 188 (2017) 81-87.
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