

## Published articles:

Álvarez-Hernández C, Cairos C, López-Darias J, Mazzetti E, Hernández-Sánchez C, González-Salamo J, Hernández-Borges, J. Microplastic debris in beaches of Tenerife (Canary Islands, Spain). *Mar. Pollut. Bull.* 2019; 146: 26-32.

Andrade J, Fernández-González V, López-Mahía P, Muniategui S. A low-cost system to simulate environmental microplastic weathering. *Mar. Pollut. Bull.* 2019; 149: 12.

Bayo J, Olmos S, López-Castellanos J. Microplastics in an urban wastewater treatment plant: The influence of physicochemical parameters and environmental factors. *Chemosphere* 2020; 238: 11.

Bayo J, Rojo D, Olmos S. Abundance, morphology and chemical composition of microplastics in sand and sediments from a protected coastal area: The Mar Menor lagoon (SE Spain). *Environ. Pollut.* 2019; 252: 1357-1366.

Beiras R, Bellas J, Cachot J, Cormier B, Cousin X, Engwall M, Gambardella C, Garaventa F, Keiter S, Le Bihanic F, López-Ibañez S, Piazza V, Rial D, Tato T, Vidal-Liñán L. Ingestion and contact with polyethylene microplastics do not cause acute toxicity on marine zooplankton. *J. Hazard. Mater.* 2018; 360: 452-460.

Beiras R, Muniategui-Lorenzo S, Rodil R, Tato T, Montes R, López-Ibañez S, Concha-Grana E, Campoy-López P, Salgueiro-González N, Quintana JB. Polyethylene microplastics do not increase bioaccumulation or toxicity nonylphenol and 4-MBC to marine zooplankton. *Sci. Total Environ.* 2019; 692: 1-9.

Beiras R, Tato T. Microplastics do not increase toxicity of a hydrophobic organic chemical to marine plankton. *Mar. Pollut. Bull.* 2019; 138: 58-62.

Beiras R, Tato T, López-Ibañez S. A 2-Tier standard method to test the toxicity of microplastics in marine water using *Paracentrotus lividus* and *Acartia clausi* larvae. *Environ. Toxicol. Chem.* 2019; 38: 630-637.

Camacho M, Herrera A, Gómez M, Acosta-Dacal A, Martínez I, Henríquez-Hernández LA, Luzardo OP. Organic pollutants in marine plastic debris from Canary Islands beaches. *Sci. Total Environ.* 2019; 662: 22-31.

Duran I, Beiras R. Acute water quality criteria for polycyclic aromatic hydrocarbons, pesticides, plastic additives, and 4-Nonylphenol in seawater. *Environ. Pollut.* 2017; 224: 384-391.

Edo C, González-Pleiter M, Leganés F, Fernández-Piñas F, Rosal R. Fate of microplastics in wastewater treatment plants and their environmental dispersion with effluent and sludge. *Environ. Pollut.* 2019; 259: 113837.

Edo C, Tamayo-Belda M, Martínez-Campos S, Martín-Betancor K, González-Pleiter M, Pulido-Reyes G, García-Ruiz C, Zapata F, Leganés F, Fernández-Piñas F, Rosal, R. Occurrence and identification of microplastics along a beach in the Biosphere Reserve of Lanzarote. *Mar. Pollut. Bull.* 2019; 143: 220-227.

Fernández B, Albentosa M. Dynamic of small polyethylene microplastics ( $\leq 10 \mu\text{m}$ ) in mussel's tissues. *Mar. Pollut. Bull.* 2019; 146: 493-501.

Fernández B, Albentosa M. Insights into the uptake, elimination and accumulation of microplastics in mussel. *Environ. Pollut.* 2019; 249: 321-329.

Filgueiras AV, Gago J, Campillo JA, León VM. Microplastic distribution in surface sediments along the Spanish Mediterranean continental shelf. *Environ. Sci. Pollut. Res.* 2019; 26: 21264-21273.

Gambardella C, Piazza V, Albentosa M, Bebianno MJ, Cardoso C, Faimali M, Garaventa F, Garrido S, González S, Pérez S, Sendra M, Beiras, R. Microplastics do not affect standard ecotoxicological endpoints in marine unicellular organisms. *Mar. Pollut. Bull.* 2019; 143: 140-143.

Garrido S, Linares M, Campillo JA, Albentosa M. Effect of microplastics on the toxicity of chlorpyrifos to the microalgae *Isochrysis galbana*, clone t-ISO. *Ecotox. Environ. Safe.* 2019; 173: 103-109.

González-Hernández M, Hernández-Sánchez C, González-Salamo J, López-Darias J, Hernández-Borges J. Monitoring of meso and microplastic debris in Playa Grande beach (Tenerife, Canary Islands, Spain) during a moon cycle. *Mar. Pollut. Bull.* 2019: 110757.

González-Pleiter M, Tamayo-Belda M, Pulido-Reyes G, Amariei G, Leganés F, Rosal R, Fernández-Piñas, F. Secondary nanoplastics released from a biodegradable microplastic severely impact freshwater environments. *Environ.-Sci. Nano* 2019; 6: 1382-1392.

Hernández-González A, Saavedra C, Gago J, Covelo P, Santos MB, Pierce GJ. Microplastics in the stomach contents of common dolphin (*Delphinus delphis*) stranded on the Galician coasts (NW Spain, 2005-2010). *Mar. Pollut. Bull.* 2018; 137: 526-532.

Herrera A, Asensio M, Martínez I, Santana A, Packard T, Gómez M. Microplastic and tar pollution on three Canary Islands beaches: An annual study. *Mar. Pollut. Bull.* 2018; 129: 494-502.

Herrera A, Garrido-Amador P, Martínez I, Samper MD, López-Martínez J, Gómez M, Packard TT. Novel methodology to isolate microplastics from vegetal-rich samples. *Mar. Pollut. Bull.* 2018; 129: 61-69.

Herrera A, Stindlova A, Martínez I, Rapp J, Romero-Kutzner V, Samper MD, Montoto T, Aguiar-González B, Packard T, Gómez M. Microplastic ingestion by Atlantic chub mackerel (*Scomber colias*) in the Canary Islands coast. *Mar. Pollut. Bull.* 2019; 139: 127-135.

Kruger L, Casado-Coy N, Valle C, Ramos M, Sanchez-Jerez P, Gago J, Carretero O, Beltrán-Sanahuja A, Sanz-Lázaro C. Plastic debris accumulation in the seabed derived from coastal fish farming. *Environ. Pollut.* 2019: 113336.

León VM, García-Agüera I, Moltó V, Fernández-González V, Llorca-Pérez L, Andrade JM, Muniategui-Lorenzo S, Campillo JA. PAHs, pesticides, personal care products and plastic additives in plastic debris from Spanish Mediterranean beaches. *Sci. Total Environ.* 2019; 670: 672-684.

León VM, García I, González E, Samper R, Fernández-González V, Muniategui-Lorenzo S. Potential transfer of organic pollutants from littoral plastics debris to the marine environment. *Environ. Pollut.* 2018; 236: 442-453.

Oliviero M, Tato T, Schiavo S, Fernández V, Manzo S, Beiras R. Leachates of micronized plastic toys provoke embryotoxic effects upon sea urchin *Paracentrotus lividus*. *Environ. Pollut.* 2019; 247: 706-715.

Reguera P, Viñas L, Gago J. Microplastics in wild mussels (*Mytilus* spp.) from the north coast of Spain. *Sci. Mar.* 2019; 83: 337-347.

Rivera-Hernández JR, Fernández B, Santos-Echeandia J, Garrido S, Morante M, Santos P, Albentosa M. Biodynamics of mercury in mussel tissues as a function of exposure pathway: natural vs microplastic routes. *Sci. Total Environ.* 2019; 674: 412-423.

Romera-Castillo C, Pinto M, Langer TM, Álvarez-Salgado XA, Herndl GJ. Dissolved organic carbon leaching from plastics stimulates microbial activity in the ocean. *Nat. Commun.* 2018; 9: 7.