

PERSONAL INFORMATION



NIKOLETTA DIGKA

📍 FRYGIAS 10, 15771 ATHENS (Greece)

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✉ ndigka@hcmr.gr

WORK EXPERIENCE

20/11/2014–Present

Research associate

Laboratory of Ecotoxicology, Institute of Oceanography, Hellenic center for Marine Research (HCMR), Athens (Greece)

Participation in national and European projects:

- PLASTIC BUSTERS MPAs
- INDICIT I & II
- MEDSEALITTER
- Framework contract for services related to development of methodological standards in relation to good environmental status of the sea under Marine Strategy Framework Directive (MSFD)
- Derelict Fishing Gear Project in the Adriatic Sea (DeFishGear)
- Policy-oriented marine Environmental Research for the Southern European Seas (PERSEUS)
- Monitoring of benthic communities in Antikyra Bay, with emphasis on thermophilic species

01/10/2013–31/03/2014

Biologist

Nearhus G.P. Company, THESSALONIKI (Greece)

Provision services and applications in the area of environmental technology, fishery and aquaculture

01/08/2012–31/08/2012

Research Support Technician

Autonomous University of Barcelona, Barcelona (Spain)

Research Support Technician of the fish facilities of the Laboratory of Evolutionary Immunology of the Institute of Biochemistry and Biotechnology (IBB)

EDUCATION AND TRAINING

01/09/2012–09/2013

MSc in Aquacultures

University of Barcelona, Barcelona (Spain)

Master thesis under the supervision of Dr. Simon Anthony Mackenzie and Dr. Sònia Rey i Planellas: Thermal preference in coping style for Zebrafish, *Danio rerio*

01/09/2006–09/2011

Bachelor in Biology

University of Crete, Heraklion (Greece)

- Bachelor thesis under the supervision of Dr. Michael Pavlidis: Invasive and non-invasive determination methods of cortisol as a stress indicator in adult zebrafish, *Danio rerio*
- Laboratory training in Fish Physiology under the supervision of Dr. Llius Tort (Erasmus Scholarship), Autonomous University of Barcelona

PERSONAL SKILLS

Mother tongue(s) Greek

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Certificate of Proficiency in English, University of Michigan, 2004					
French	B2	B2	B2	B2	B2
A6, Institute Francais de Thessalonique, 2003					
Spanish	C2	C2	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Job-related skills

- Developing techniques and methodologies for detecting, identifying and sorting ingested macro and microplastics in marine organisms.
- Evaluating the impact of plastic ingestion on marine organisms using biomarkers.
- Conducting experiments- Evolving Techniques of Reproduction - Development - Fish Conservation, Biometrics - Morphology - Fish Anatomy
- Experienced in Electron Microscopy, Stereoscopy, FTIR Spectroscopy

Driving licence B

ADDITIONAL INFORMATION

Publications

- Digka, N., Tsangaris, C., Torre, M., Anastasopoulou, A., Zeri, C., 2018. Microplastics in mussels and fish from the Northern Ionian Sea. *Marine Pollution Bulletin* 135, 30–40.
- Digka N., Tsangaris C., Kaberi H., Adamopoulou A., Zeri C. (2018) Microplastic Abundance and Polymer Types in a Mediterranean Environment. In: Cocca M., Di Pace E., Errico M., Gentile G., Montarsolo A., Mossotti R. (eds) *Proceedings of the International Conference on Microplastic Pollution in the Mediterranean Sea*. Springer Water. Springer, Cham.
- Bray, L., Digka, N., Tsangaris, C., Camedda, A., Gambaiani, D., de Lucia, G.A., et al., 2019. Determining suitable fish to monitor plastic ingestion trends in the Mediterranean Sea. *Environ. Pollut.* 247, 1071–1077
- Anastasopoulou, A., Kovač Viršek, M., Bojanić Varezić, D., Digka, N., Fortibuoni, T., Koren, Š., Mandić, M., Mytilineou, C., Pešić, A., Ronchi, F., Šiljić, J., Torre, M., Tsangaris, C., Tutman, P., 2018. Assessment on marine litter ingested by fish in the Adriatic and NE Ionian Sea macro-region (Mediterranean). *Marine Pollution Bulletin* 133, 841–851.
- M. Torre, N. Digka, A. Anastasopoulou, C. Tsangaris, C. Mytilineou. Anthropogenic microfibers pollution in marine biota. A new and simple methodology to minimize airborne contamination. *Marine Pollution Bulletin*, 2016.
- S. Rey, N. Digka, S. Mackenzie. Animal personality relates to thermal preference in wild-type zebrafish, *Danio rerio*. *Zebrafish*, 2015.
- M. Pavlidis, N. Digka, A. Theodoridi, A. Campo, K. Barsakis, G. Skouradakis, A. Tsalafouta. Husbandry of zebrafish, *Danio rerio*, and the cortisol stress response. *Zebrafish*, 2013.

Conferences

- Plastic ingestion by sea turtles in Greece. Digka N., Bray L.J., Vrettou F., Komnenou A., Tsangaris C., Kaberi H., 6th Mediterranean Conference on Marine Turtles, Porec- October 2018.
- Applying marine strategy framework directive (MSFD) protocols in Greece: Preliminary results from indicator 10.2.1 (Litter ingestion by marine animals). Bray L., Digka N., Vrettou F., Kapiris K., Komnenou A., Tsangaris C., Kaberi H., 12th Pan-Hellenic Symposium on Oceanography and Fisheries, Corfu, June 2018.
- Methods for the detection of microplastics ingested by fish. Digka N., Tsangaris C., de Lucia G.A.,

Palazzo L., Pérez-del-Olmo A., Raga J. A., Miaud C., Gambaiani D., Tomassetti P., Matiddi M., 6th International Marine Debris Conference, Sant Diego, March 2018.

- Microplastic abundance and polymer types in a Mediterranean environment. Digka N., Tsangaris C., Kaberi H., Adamopoulou A., Zeri C., International Conference on Microplastic Pollution in the Mediterranean Sea (μ MED), 26-29 September 2017, Capri, Italy.
- N. Digka, C. Tsangaris, M. Torre, A. Anastasopoulou C. Zeri. Microplastic digestion in marine biota: A case study in the Northern Ionian Sea. 51st European Marine Biology Symposium, Rhodes, Greece, 2016.
- C. Tsangaris, N. Digka, V. Athinaïou, M. Torre, A. Anastasopoulou C. Zeri. Microplastics detection in marine biota: Methodological considerations. In the Wake of Plastics, Don Orione Artigianelli Conference Center, Venice, Italy, 2015.

Honours and awards 2nd Poster prize, 51st European Marine Biology Symposium, Rhodes, Greece (2016)