

LEILA BORDBAR

Address: Grigoriou Afxentiou 17, 17455, Athens, Greece

E-mail: leilbor@hmcr.gr, leila.bordbar@gmail.com

Gender: Female

<p>Dates Title of qualification awarded Principal subjects/occupational skills Covered</p>	<p>February 2019 MS.c Advanced master in sustainable blue growth Thesis: <i>”Interactive effects of ocean acidification and heavy metal pollution on MTs gene expression in sea urchin (Paracentrotus lividus), and its effects on socio-economy”</i></p>
<p>Name and type of organization providing education and training</p>	<p><i>OGS / Istituto Nazionale di Oceanografia e di Geofisica Sperimentale</i> 108/110 University of Trieste-Italy</p>
<p>Dates Title of qualification awarded Principal subjects/occupational skills Covered</p>	<p>February 2017 PhD Multidisciplinary Oceanography and Marine Environmental management. Thesis: <i>”Impact of coastal ferronickel metallurgy on the marine ecosystem. The case of Larymna Bay</i></p>
<p>Name and type of organization providing education and training</p>	<p>Environmental Chemistry Laboratory, Department of Chemistry, National and Kapodistrian university of Athens (NKUA)-Hellenic center for marine research (Oceanography institute) Athens, Greece Excellent</p>
<p>Dates Title of qualification awarded Principal subjects/occupational skills Covered</p>	<p>September 2009 MSc Fishery and marine biology Thesis: <i>“Hypothalamus-Pituitary-Interrenal axis) on rainbow trout (Oncorhynchus mykiss)”</i></p>
<p>Name and type of organization providing education and training</p>	<p>Islamic Azad University, Science and research branch (IAU). Tehran. Iran GPA (18.02/20)-A+</p>
<p>Dates Title of qualification</p>	<p>June 2003 BSc</p>

<p>awarded Principal subjects/occupational skills Covered Name and type of organization providing education and training</p>	<p>Natural resources engineering (Fishery and marine biology)</p> <p>Thesis:” Search on diversity of cephalopods on the Persian Gulf and Oman Sea” Islamic Azad University. Science and Technology branch Tehran, Iran GPA (17.52/20)-A</p>
<p>Work Experience</p>	<ul style="list-style-type: none"> • Post Doc position in Hellenic Center for Marine Research (HCMR)-Oceanography and Inland water resources center-Greece (2018- 2022) <ul style="list-style-type: none"> ✓ <input type="checkbox"/> Climate change investigation of the sea urchin (<i>Protocentruslividus</i>) survival and maturity. ✓ <input type="checkbox"/> Concentration of total and methylmercury mercury in the soft tissue of benthic organisms in Ionian Sea ✓ <input type="checkbox"/> Concentration of total mercury in different organs of various shark species in the Ionian Sea. ✓ <input type="checkbox"/> Concentration of heavy metals and persistent organic contaminates on <i>Mobulamobular</i> from the Greek sea ✓ <input type="checkbox"/> National program of fishery data collection- Assessment of (heavy metals and PCBs levels in different length-classes, age and gender of <i>Merluccius merluccius</i> from Aegean and Ionian Sea). ✓ <input type="checkbox"/> Litter debris in the digestive system of <i>Aristaeomorpha</i> from the Greek waters. • Research assistant in Hellenic Center for Marine Research (HCMR)-Oceanography and Inland water resources center-Greece (2010- present) <ul style="list-style-type: none"> <input type="checkbox"/> National program of fishery data collection. (May 2016-present) <input type="checkbox"/> Plesionika manage: A pilot fishing study of shrimps ‘Plesionikanarval’ (Ocotober 2014-December 2015) <input type="checkbox"/> Assessment of the usage of copper alloy aquaculture nets: Potential impact on the marine environment (PALAIROS)- (2013-2014) <input type="checkbox"/> Study on the environmental assessment of dumped slag in North Evoikos Gulf (LARCO) (January 2010-December 2014) <input type="checkbox"/> Monitoring of the Steel refinery factory Halyvourgiki SA (HALIVOURGKI) and the influence on the aquatic environment. (2010-2012) <input type="checkbox"/> Study the environmental impact of the “SEA DIAMOND”ship-wreck at the Athinio bay of Santorini island” (SEA DIAMOND)-(April 2012-December 2013) <input type="checkbox"/> Impact of cooling water on marine environment. (PECHINEY)- (September 2011-March 2012) <input type="checkbox"/> Control of environmental quality at the military shooting range of Schiza island (Schiza) (February 2010- September 2010) • Internship in molecular biology lab-Norway- (three months in 2012) <ul style="list-style-type: none"> ✓ <input type="checkbox"/> iCod- integrative environmental genomics of Cod- University of Bergen Research assistant in the Continental oil company project- Iran (2005-

	2006) <input checked="" type="checkbox"/> <input type="checkbox"/> Toxicity and environmental impact assessments of newly built oil dispersants (Pars 1&2) and crude oil on different marine aquatics																														
Mother tongue(s)	Persian/Farsi																														
Other languages(s)	English, Greek, French, Arabic																														
English Greek French Arabic	<table border="1"> <thead> <tr> <th colspan="2">UNDERSTANDING</th> <th>SPEAKING</th> <th colspan="2">WRITING</th> </tr> <tr> <th>Listening</th> <th>Reading</th> <th>Spoken interaction</th> <th>Spoken production</th> <th></th> </tr> </thead> <tbody> <tr> <td>C2*</td> <td>C2*</td> <td>C2*</td> <td>C2*</td> <td>C2*</td> </tr> <tr> <td>B2**</td> <td>B2**</td> <td>B2**</td> <td>B2**</td> <td>B2**</td> </tr> <tr> <td>A2</td> <td>A2</td> <td>A2</td> <td>A2</td> <td>A2</td> </tr> <tr> <td>A1</td> <td>A1</td> <td>A1</td> <td>A1</td> <td>A1</td> </tr> </tbody> </table> <p>Levels* : A1/A2: Common European framework Basic user - of references for Languages B1/B2: Independent user - C1/C2 Proficient user</p> <p>Levels** : certificate from language department of University of Athens</p>	UNDERSTANDING		SPEAKING	WRITING		Listening	Reading	Spoken interaction	Spoken production		C2*	C2*	C2*	C2*	C2*	B2**	B2**	B2**	B2**	B2**	A2	A2	A2	A2	A2	A1	A1	A1	A1	A1
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A1	A1	A1	A1	A1																											
Job related Skills	Atomic absorption Spectrometry (Flame & Graphite)- Chromatography Spectrophotometry- PCR technique- Western blot technique- Bradford technique- Microtomy- Infrared spectroscopy																														
Digital Competence	MS Office Statistical packages: Statgraphics, SPSS, Primer, R language (Basic), GIS (basic)																														
Publications	<p><u>Publications (in peer reviewed journals)</u></p> <ul style="list-style-type: none"> • Kapisiris K., Bordbar L., Otero M., Thasitis I., Lteif M., Mytilineou Ch., Ali M., Farrag M., Jemaa S., Adamidou A., Dokos J., Kavadas S. (2022). Towards the identification of essential fish habitats for commercial deep-water species. In Otero, M., Mytilineou, C. (Eds.), Deep-sea Atlas of the Eastern Mediterranean Sea (185-237 pp). IUCN-HCMR DeepEastMed Project. Publisher, IUCN Gland, Malaga • Tsangaris, C., Simboura, N., Strogyloudi., E., Zeri, C, Kaberi, H., Pavlidou, A., Chatzianestis, I., Bordbar, L., Catsiki, A, V., Tzempelikou, E., Anagnostou, C. 2022. Pollution Pressures and Impacts in the North Evoikos Gulf (Aegean Sea). The Aegean Sea Environment: Anthropogenic Presence and Impact, Hdb Env Chem, DOI 10.1007/698_2021_840, © Springer Nature Switzerland AG 2022 • Bordbar, L., Kapisiris, k., Anastasopoulou, K., Maravelias C.D., Smith, C.J., Kalogirou, S (2019). Diet composition and temporal changes in the trophic patterns of <i>Plesionikarval</i> in the Aegean Sea (eastern Mediterranean Sea), Regional studies in marine science journal. https://doi.org/10.1016/j.rsma.2019.100739 • Bordbar, L., Kapisiris K., Kalogirou S., & Anastasopoulou A. 2018. First evidence of ingested plastics by a high commercial shrimp species (<i>Plesionika narval</i>) in the eastern Mediterranean. Marine Pollution Bulletin, 136(October), 472–476. https://doi.org/10.1016/j.marpolbul.2018.09.030 																														

- Tsangaris, C., Kaparou D, **Bordbar L.**, Simboura, N., Karris, G., 2016. An integrated investigation of biomarkers' response in crabs (*Liocarcinus depurator*) and benthic indices at a metalliferous waste discharge area in North Evoikos gulf, Greece. Toxicological and environmental chemistry. DOI: 10.1080/02772248.2015.1095919
- **Bordbar, L.**, Catsiki, V.A, Dassenakis, M., Megalofonou. P. 2015. Influence of a ferronickel smelting plant activity on the coastal zone through investigation of metal bioaccumulation on two gastropod species (*Patella caerulea* and *Phorcus turbinatus*). *J Environ Anal Toxicol* 2015, S7. doi.org/10.4172/2161-0525.S7-004
- **Bordbar L.**, Emtiyazjoo, M., Farkhani, D. 2008. Comparison and Influence of two newly Produced Iranian Oil dispersants (Pars1 & Pars2) with Gamlen OD4000. *Journal of Environmental science and health part A. (43)*, 1598-1601. DOI: 10.1080/10934520802329851
- **Bordbar L.**, Oryan S., Emtiyazjoo, M., Farkhani, D. 2006. The effect of Iranian oil dispersant (Pars1) on rainbow trout. *WIT Transactions on Ecology & Environment*, pp. 79-88. DOI:10.2495/CENV060081

Under revision

- **Bordbar, L.**, Strogyloudi, E., Hatzianestis, I., Paraskevopoulou, V., Chatzispyrou, A. Is Devil ray a victim? First evidence of heavy metals and persistent organic contaminates on *Mobula mobular* (Bonattiere, 1788) from the Hellenic waters (Saronikos gulf). UNDER REVISION OF AQUATIC TOXICOLOGY JOURNAL
- **Bordbar, L.**, Sedlacek, P., Anastasopoulou, A. Plastic pollution in deep sea Shrimp; an alarm point in stock and human health safety. 2022. UNDER REVISION OF CO AUTHORS
- ICES. 2020. ICES CRR/ TIMES. Handbook of maturity staging protocols and validation methods. International Council for the Exploration of the Sea. www.ices.dk

Technical reports:

- Fiorentino, F., Mytilineou, CH., Lteif., M., Jemaa., SH., Maiorano, L., **Bordbar., L.**, Carbonara, P., Donnaloia, M., Geraci., M., Scannella . Synthesis on the biology, ecology and fisheries of deep-water red shrimps *Aristaeomorpha foliacea* and *Aristeus antennatus* in the central-eastern Mediterranean (GSA 12 – 16, 18 – 27). FAO technical paper. 2022.
- Kapiris. K, **Bordbar. L.**, Kalogirou. S. Plesionika manages: A pilot fishing study of shrimps ‘*Plesionika narval*’. Technical report” The easting habitat of *Plesionika narval* in Dodecanisa-Greece”. 51-68 p. Kalogirou. S. January 2016

- **Bordbar. L**, Goksoyr, A. Impact of induction of various genes on Atlantic Cod liver. Ecotoxicology and Molecular biology department- University of Bergen-Bergen-Norway-summer 2012
- **Bordbar. L**, Simboura. M, Zeri. Ch, Praskevopoulou. V, Catsiki V.A. The analysis of heavy metals in seawater in N. Evoikos Gulf. HCMR publication. Technical report “The research on the environmental impact of smelting plant on the N, Evoikos Gulf. Head of the supervisor; Simboura. M. August 2011.
- Simboura. M, Catsiki V.A, **Bordbar. L**. The analysis of heavy metals in the sediments in N. Evoikos Gulf. HCMR publication. Technical report “The research on the environmental impact of smelting plant on the N, Evoikos Gulf. Head of the supervisor; Simboura. M. August 2012.

Conference presentations:

- **Bordbar L.**, Sedlaceck P., Anastasopoulou K., 2022. Preliminary results of plastic pollution in *Aristaeomorpha foliacea* (Risso, 1827) in the eastern Ionian Sea. Marine and Inland Waters Research Symposium 2022- 16-20 September- Porto Heli-Greece
- Kapiris. K., **Bordbar.L**, Glykokokkalos. S., Kavadas.S., Kapakos.G., Legaki.A, Mantopoulou.D., Dokos.J., Petroustos.S.L., Stamouli.A., Fytilakos.I., Charalambous.K., Christides.G. Preliminary results from a pilot study regarding the recreational fishery in the Saronikos Gulf. June 2019. Conference of ichthyology, ISPRA, Italy
- **Bordbar. L.**, Tsangaris. C., Catsiki V.A. Assessment of the impact of metallurgy activities by an integrated approach. 12th Panhellenic Symposium of Oceanography & Fisheries, May 2018, Corfu, Greece.
- Parinos. CSP. , Hatzianestis. I., Karageorgis. AP., Simboura. N ., Salomidi. M ., Panagiotidis. P ., Kanellopoulos. TD ., Tsangaris C ., Stroglyoudi E ., Gogou. A ., Zervoudaki. S ., Arvanitakis. G ., **Bordbar. L** ., Chourdaki. S., Gerakaris. V ., Issaris. Y ., Katsiaras. N ., Kikaki. K ., Kouerinis. N ., Kyriakidou. H ., Lardi. P ., Papageorgiou. A., Pappas. G ., Plakidi. E ., Stavrakaki. I ., Voutsina. E. Study of the environmental consequences of the Agia zoni II tanker sinking on the marine ecosystem of the Saronikos gulf. 12th Panhellenic Symposium of Oceanography & Fisheries, May 2018, Corfu, Greece.
- Kapiris. K., Klaoudatos. D., **Bordbar. L.**, Anastasopoulou. A., Christopher J. S., Maravelias C .D., Kalogirou .S. Morphometric structure and allometry profiles of the *Plesionikanarval* (fabricius, 1787) in the south eastern Aegean Sea (E. Mediterranean). 51th European marine biology symposium. 26-30 September 2016. Rhodos Greece
- **Bordbar .L.**, Kapiris .k., Anastasopoulou. K., Maravelias C., Smith. C., Kalogirou. S. Preliminary results of the feeding behaviour of *Plesionikanarval* (Crustacea, Decapoda, Pandalidae) in the S.E Aegean Sea (E. Mediterranean Sea). 13th

ICZEGAR, 7-11 October 2015 Iraklio, Greece

- **Bordbar. L.**, Catsiki V.A. Bioaccumulation of metals in *Munida rugosa* collected from an area affected by dumped metalliferous slag (N. Evoikos Gulf, Greece). 11th Panhellenic symposium of oceanography and fisheries, 13-17 May 2015, Greece
- Kapisir. K., Tsionki .I., **Bordbar . L.**, &Kavvadas .S. Preliminary biological data of *Squilla mantis* (Linnaeus, 1758) (Crustaceans, Stomatopoda) in Maliakos Gulf. 11th Panhellenic symposium of oceanography and fisheries, 13-17 May 2015, Greece
- Kapisir. K., Karkani . M., **Borbar L.**, Corsini-Foka. M., Peristeraki. N., Komnenou. A., Drougas A., Koutrakis. E., Christidis. A., Paximadis . G. Stranding of marine mammals and reptiles in the Greek coasts in the period 2010-2013. 11th Panhellenic symposium of oceanography and fisheries, 13-17 May 2015, Greece
- **Bordbar. L.**, Dassenakis .M ,Catsiki A. V. Heavy metals bioaccumulation in two species of Mollusks in N. Evoikos Gulf, Greece-CIESM conference. October 2013 Marseille, France
- **Bordbar.L.**,Catsiki V. A. Effects on marine environment on the non-recycling by-products of Ferronickel Smelting plant. April 2012, Crowa conference. Iran
- **Bordbar .L.**,Catsiki V. A. The environmental monitoring of heavy metals in seawater (Dissolved and Particulate) and sediments in Larymna Bay. 10th Panhellenic symposium of oceanography and fisheries. May 2012, Greece
- **Bordbar .L.**, Dassenakis. M., Catsiki V.A. The study of total heavy metal concentrations of surface sediments and slag thickness in dumping area of smelting ferronickel plant in N.Euvoikos Gulf-(MESAEP symposium)-September 2011. Ioinnina-Greece
- **Bordbar.L.**, Emtiyazjoo. M., Farkhani. D. Comparison and Influence of two newly Produced Iranian Oil dispersants (Pars1 &Pars2) with Gamlen OD4000. CEMEPE 1ST Conference, 2007, Greece
- **Bordbar. L.**, Farahani .D., Oryan .S., Emtiyazjoo. M. The effect of Oil and Dispersants Pollutants on Cortisol Concentration in Rainbow Trout. 18th conference of Physiology and Pharmacology, 2007, Mashad, Iran

Honors and awards

- Scholarship award from National Institute of Oceanography (OGS)Trieste-Italy (2018-2019).
- Euromarine fellowship for three months, Bergen University, Norway, 2012
- Scholarship award from the Greek Ministry of Education (2008-2011).
- Master degree of science in honor, Tehran, Iran (2006)
- Rank 4 in the Master comprehensive entrance exam of university, Tehran, Iran

(2003)

- Bachelor degree of science in honor, Tehran. Iran (2003)
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