

# Kalliopi Sigala

Curriculum Vitae

## EDUCATION

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2012- UNIVERSITY OF ATHENS

Phd in Biology; *Theme: "Development and evaluation of biotic tools for the ecological assessment of coastal lagoon ecosystems"*

Sept. 2008- Jul 2010 UNIVERSITY OF ATHENS

MSc in Oceanography; Grade: 8,8; Thesis: Study and use of zoobenthos to evaluate the ecological status of four Greek lagoons

Sept 2004-Sept 2008 UNIVERSITY OF CRETE

Bachelor degree in Biology, with a specialization in Environmental biology; Grade: 8,08; Thesis: "*Effects of aquaculture in a shallow closed gulf in West Greece (Astakos)*"

Sept 1999-Sept 2003 TECHNOLOGICAL EDUCATIONAL INSTITUTE OF MESSOLONGHI

Bachelor degree in Aquaculture & Fisheries; Grade: 7,6; Thesis: "*Hermaphroditism on fish*"

## RESEARCH/WORKING EXPERIENCE

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Jan.2018- HELLENIC CENTER FOR MARINE RESEARCH

*Water Framework Directive*

- Sampling, Sorting, benthic invertebrates' identification, statistics, use of benthic indicators, reporting

Jun2017-Nov2017 HELLENIC CENTER FOR MARINE RESEARCH

*Benthos of Antikyra*

- Sorting, benthic invertebrates' identification, statistics, use of benthic indicators, reporting

Jan.2017-Mar.2017 HELLENIC CENTER FOR MARINE RESEARCH

*Vourkari Monitoring*

- Sorting, benthic invertebrates' identification, statistics, use of benthic indicators, reporting

Dec.2016 HELLENIC CENTER FOR MARINE RESEARCH

*NATURA Monitoring*

- Data elaboration

Oct.2016-Nov.2016 HELLENIC CENTER FOR MARINE RESEARCH

*Chalivourgiki Project*

- Sorting, benthic invertebrates' identification, statistics, use of benthic indicators, reporting

Dec.2015-Sept.2016 HELLENIC CENTER FOR MARINE RESEARCH

*MedSeaCheckPoint*

- Data elaboration

Dec.2012-Dec2015 **HELLENIC CENTER FOR MARINE RESEARCH**

*Water Framework Directive*

- Sampling, Sorting, benthic invertebrates' identification, statistics, use of benthic indicators, reporting

May 2012-Oct. 2012 **HELLENIC CENTER FOR MARINE RESEARCH**

*COCONET-*

*Towards COast to COast NETWORKS of marine protected areas coupled with sea-based wind energy potential.*

- Sorting, identification of marine benthos, statistics and use of benthic indicators

Jun 2011-Apr 2012 **HELLENIC CENTER FOR MARINE RESEARCH**

*TWReferenceNet*

- Sorting, identification of benthic invertebrates, statistic analysis and use of benthic indicators

July 2009

**Woods Hole Oceanographic Institution**

*Sampling in the DHABs of the Mediterranean Sea*

Jun-Sept. 2008

**HELLENIC CENTER FOR MARINE RESEARCH, LABORATORY OF BENTHOS**

*Environmental impact of a mussel culture in Saronikos gulf (Elefsis)*

- Sorting, identification of marine benthos, especially of polychaetes, statistics and use of benthic indicators

Sept 2002- Febr 2003 **MINISTRY OF RURAL DEVELOPMENT AND FOOD, FISHERIES LABORATORY**

- Histology, evaluation of the age of fishes and statistics

\*During her work in HCMR she collaborated on various research projects, apart from the ones mentioned above.

## **RESEARCH PUBLICATIONS**

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- Cabana, D., Nicolaidou, A., **Sigala, K.** & Reizopoulou, S., 2017. Multi-scale functional and taxonomic  $\beta$ -diversity of the macroinvertebrate communities in a Mediterranean coastal lagoon. *Mediterranean Marine Science*, 18 (1): 121-133.
- Reizopoulou, S., Simboura, N., **Sigala, K.**, Barbone, E., Aleffi, F., Kaisakis, G., Rosati, I., Basset, A. & Nicolaidou, A., 2013. Assessment of the ecological status of the Mediterranean coastal lagoons using macroinvertebrates. Comparison of the most commonly used methods. *Mediterranean Marine Science*, 15/3: 602-612.
- Cabana, D., **Sigala, K.**, Nicolaidou, A. & Reizopoulou, S., 2013. Towards the implementation of the Water Framework Directive in Mediterranean Transitional Waters: the use of macroinvertebrates as biological quality element. *Advances in Oceanography and Limnology*, 4 (2).
- **Sigala, K.**, Reizopoulou, S., Basset, A. & Nicolaidou, A., 2012. Functional diversity in three Mediterranean transitional water ecosystems. *Estuarine, Coastal and Shelf Science*, 110: 202-209.
- Papageorgiou, N., **Sigala, K.** & Karakassis, I., 2009. Changes of macrofaunal function composition at sedimentary habitats in the vicinity of fish farms. *Estuarine, Coastal and Shelf Science*, 83 (4): 561-568.

- Simboura, N., **Sigala K.**, Voutsinas, E. & Kankan, E., 2008. First occurrence of the invasive alien species *Polydoracornuta* Bosc, 1802 (Polychaeta: Spionidae) on the coast of Greece (Elefsis Bay; Aegean Sea). *Mediterranean Marine Science*, 9 (2): 121-126.

## **PARTICIPATION IN CONFERENCES**

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- Simboura, M., Sigala, K., Pavlidou, A., Rousselaki, E., Venetsanopoulou, A., Reizopoulou, S.. Assessment of the physicochemical status in Hellenic Coastal Lagoons. 8<sup>th</sup> EUROLAG Conference, Athens, March, 20-23, 2018.
- **Sigala, K.**, Cabana D., Nicolaidou, A. & Reizopoulou, S.. Macrobenthic community in Klissova lagoon, Greece. 52<sup>nd</sup> European Marine Biology Symposium, Piran, September 25-29, 2017.
- Garcia Gomez, S. G., Aravantinos, S., Avramidi, E., Giamakidou, E., Arevalo Carillo, E., Legaki, A., **Sigala, K.**, Tsetoglou, V., Nicolopoulos, C., Nicolaidou, A., 2016. Does an oil platform in the North Aegean Sea increase benthic diversity? 51<sup>st</sup> European Marine Biology Symposium, Rhodes, September 26-30, 2016.
- **Sigala, K.**, Cabana D., Nicolaidou, A. & Reizopoulou, S.. Macrobenthic community in Klissova lagoon, Greece. . 6<sup>th</sup> EUROLAG Conference, Lecce, December 16-20, 2013.
- Cabana D., **Sigala, K.**, Nicolaidou, A., Basset, A. & Reizopoulou, S.. Benthic taxonomic and functional diversity patterns across habitats in Messolonghi lagoon, Greece. 6<sup>th</sup> EUROLAG Conference, Lecce, December 16-20, 2013.
- Providakis, N., Cabana, D., Arevalo, E., **Sigala, K.**, Ibanez, S. P., Nicolaidou, A., Reizopoulou, S.. 48<sup>st</sup> European Marine Biology Symposium, Galway, August 19-23, 2013.
- **Sigala, K.**, Nicolaidou, A., Simboura, N., Kaisakis, G. & Reizopoulou, S.. Structural and feeding composition of benthic macrofauna communities within three different habitats of Eastern Mediterranean coastal lagoons. 51<sup>st</sup> Estuarine & Coastal Sciences Association international symposium, Klaipeda, Lithuania, September 23-27, 2012.
- **Sigala, K.**, Reizopoulou, S. & Nicolaidou, A.. Functional diversity of the macrobenthic communities in five transitional ecosystems. 10<sup>th</sup> Hell. Symp. HCMR, Athens, May 7-11, 2012.
- **Sigala, K.**, Reizopoulou, S., Basset, A. & Nicolaidou, A.. Functional diversity in three Mediterranean transitional ecosystems. 5<sup>th</sup> EUROLAG Conference, Aveiro, July 25-30, 2011.
- **Sigala, K.**, Papageorgiou, N. & Karakassis, I.. Effects of aquaculture in a shallow closed gulf in West Greece (Astakos). 9<sup>th</sup> Hell. Symp. HCMR, Patra, May 11-15, 2009.

## **TRAINING & WORKSHOPS**

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- 24/03/2014-27/03/2014: Stable isotopes: analysis and application in foodweb ecology. Ghent University, Belgium.
- 20/08/2012-31/08/2012: Experimental Design and Data Analysis for Marine Scientists. Sven Lovén Centre for Marine Sciences – Tjärnö. Goteborg University, Sweden.
- 01/10/2010-07/10/2010: 6<sup>th</sup> Multidisciplinary Postgraduate Training Program for Young Scientists entitled Europe and the Environment: Climate Change and Biodiversity in the 21<sup>st</sup> century. Kythera, Greece.
- 17/07/2010-01/08/2010: EDIT Summer School, 2010: Modern taxonomy and field work, Madeira, Portugal

01/07/2010-15/07/2010: HCMR Summer School, 2010: Mediterranean Marine Ecosystems:  
Function and Evolution, Athens,Greece

## **EDUCATIONAL ACTIVITIES**

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2012-2019 Invited lecturer in the postgraduate “Benthos” course in University of Athens  
2012-2019 Invited lecturer in the postgraduate “Biological Indices” course in University of Athens  
2011-2015 Member of HCMR Educational Unit  
2012 Educational project ‘Open doors’ in Department of Biology, University of Athens  
2008 Member of the educational team of Natural History Museum of Crete

## **SKILLS**

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- **Computer skills:** MS Windows, MS Office, Spss, Statistica, Primer
- **Languages:**
  - Greek: Native speaker
  - English: Fluent; 2010, Certificate of Proficiency in English, Michigan University  
1998, First Certificate in English, Cambridge English Council, Grade B
  - Italian: Advanced; 2006, Advance Certificate in Italian, Greek Ministry of Education  
2005, Advance Certificate in Italian, Italian Institute of Thessaloniki