

Paloma LUCENA-MOYA, PhD

Biologist (PhD) – Main topic: Aquatic Ecology and GIS

Personal Data

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Professional career

01.2020 – nowadays Student leave
 08.2019 – 12.2019 **Lecturer** (part time) – Novia University of Applied Sciences, FINLAND
 01.2019 – 07.2019 Maternity leave
 08.2017 – 12.2018 **Lecturer** (part time) – Novia University of Applied Sciences, FINLAND
 01.2017 – 07.2017 Maternity leave
 05.2016 – 12.2016 **Postdoctoral Researcher** – Tvärminne Zoological Station – Helsinki University, FINLAND
 01.2012 – 03.2013 **Research Fellow** - Institute for Applied Ecology – Canberra University, AUSTRALIA
 04.2011 – 12.2011 **Postdoctoral Researcher** - Centre for Biodiversity and Ecology Research – Waikato University, NEW ZEALAND
 11.2005 – 10.2010 **Research Assistant** (and **PhD Student**) - Vigo University, SPAIN
 04.2005 – 06. 2005 **Technician** - Company: TECNIGRAL S.L (SPAIN)

Teaching activities

08.2019– 12.2019 **Lecturer** (part time)
 University of Novia of Applied Science, FINLAND
 BSc Sustainable Coastal Management
 Subjects: Coastal Ecology, Monitoring of Aquatic Bodies
 (360 hours)

08.2017 – 12.2018 **Lecturer** (part time)
 University of Novia of Applied Science, FINLAND
 BSc Sustainable Coastal Management
 Subjects: Coastal Ecology, Marine Spatial Planning, Monitoring of Aquatic Bodies, GIS, GIS project, Water and Sewage Management, Sustainable Coastal Management
 (504 hours)

10.2014 – 02.2015 **Assistant Lecturer**
 University of Porto, PORTUGAL
 BSc Geography
 Subject: Methods and techniques of Geography (40 hours)

09.2010 – 06.2011 **Assistant Lecturer**
 University of Vigo, SPAIN
 BSc Biology and BSc Marine Biology
 Subjects: Aquatic Ecology (10 hours), Marine Zooplankton (40 hours)

09.2007 – 06.2008 **Lecturer**
 University of Girona, SPAIN
 BSc Biology and BSc Environmental Sciences
 Subjects: Experimentation (65 hours), Ecology (105 hours), Marine Ecology (10 hours)

Academic formation

09.2013 – 07.2014 **Specialization in Master's Course in GIS and Spatial Planning** - University of Porto, Portugal
 09.2009 – 12.2011 **PhD in Aquatic Ecology** - University of Vigo, Spain
 10.2007 – 07.2009 **MSc in Biology** - University of Vigo, Spain
 9.2007 – 3.2008 **Teacher Training Course** - University of Vigo, Spain
 09.1999 – 07.2005 **BSc (advanced 5 years) in Biology**- University of Malaga, Spain

Journal Articles

- Rodil IF., **Lucena-Moya P.**, Tamelander T., Norkko J., Norkko A. 2020. Seasonal variability in benthic-pelagic coupling: quantifying organic matter inputs to the seafloor and benthic macrofauna using a multi-marker approach *Frontiers in Marine Science* (in press)
- Rodil IF., **Lucena-Moya P.**, Lastra M. 2017. The importance of environmental and spatial factors in the metacommunity dynamics of exposed sandy beach benthic invertebrates. *Estuaries and Coasts* 2017. doi:10.1007/s12237-017-0263-9
- Rodil IF., **Lucena-Moya P.**, Jokinen H., Ollus V., Wennhage H., Villnäs A., Norkko A. 2017. Effects of dispersal capacity and habitat specialization on the metacommunity structure of shallow beach invertebrates. *PLoS ONE* 12(2): e0172160. <https://doi.org/10.1371/journal.pone.0172160>
- Lucena-Moya P.**, Duggan I. 2017. Correspondence between zooplankton assemblages and the Estuary Environment Classification system. *Estuarine, Coastal and Shelf Science Journal* 184: 1-9
- Lucena-Moya P.**, Gascón S., Boix D., Pardo I., Sala J., Quintana X.D. 2017. Crustacean assemblages of coastal wetlands from fragmented and low isolated islands compared to the mainland. *Marine and Freshwater Research* 68: 889-899
- Lucena-Moya P.**, Brawata R., Kath J., Harrison E., El Sawah S., Dyer F. 2015. Discretization of continuous predictor variables in Bayesian Networks: an ecological threshold approach. *Environmental Modelling and Software* 66:36-45
- Rodil F.I., **Lucena-Moya P.**, Olabarria C., Arenas, F. 2015. Altered macroalgal subsidies by temperature and ultraviolet radiation can affect wrack-reliant beach consumers. *Ecosystems* 18: 428-440
- Dyer F., El Sawah S., Croke B., Griffiths R., Harrison E., **Lucena-Moya P.** 2013. Ecologically relevant climate change impacts on flow regimes and water quality. *Stochastic Environmental Research Risk and Assessment* 28: 67–82
- Lucena-Moya P.** and Pardo I. 2012. An invertebrate multimetric index to classify the ecological status of small coastal lagoons in the Mediterranean ecoregion (MIBIIN). *Marine and Freshwater Research* 63:801-814
- Lucena-Moya P.**, Gómez-Rodríguez, C. and Pardo, I. 2012. Conservation and management implications of spatio-temporal variability in water chemistry: The case of coastal lagoons in the Mediterranean region

(Balearic Islands, Spain). *Wetlands* 32: 1033-1045

Basset, A., Barbone, E., Elliott, M., Li, B-L, Jorgensen, S.E., **Lucena-Moya, P.**, Pardo, I., Mouillot, D. 2012. A unifying approach to understanding transitional waters: fundamental properties emerging from ecotone ecosystems. *Estuarine, Coastal and Shelf Science* 1-12

Lucena-Moya P. and Duggan, I. 2011. The influence of macrophyte architecture on the abundance and diversity of littoral microfauna. *Aquatic Ecology* 45: 279-287

Lucena-Moya P., Abraín R., Pardo I., Hermida B. and Domínguez M. 2010. Invertebrate species list of coastal lagoons in the Balearic Islands. *Transitional Waters Bulletin* 1: 1-11

Lucena-Moya P., Pardo I. & Álvarez M. 2009. Development of a typology for transitional waters in the Mediterranean ecoregion: the case of the islands. *Estuarine, Coastal and Shelf Science Journal*. 82: 61-72

Chapters in Book

Pardo I., Delgado C., García L., Álvarez M., **Lucena-Moya P.** and Barón A. 2010. Assessing the ecological status of streams in the Balearic Islands: the case of Minorca. Chapter book in: "*15 anys de la Reserva de la Biosfera de Menorca*" 135-145pp. ISBN: 84-95718-40-5

Dyer, FJ, El Sawah, S, **Lucena-Moya, P.** Harrison, ET, Croke, BFW, Tschierschke, A, Griffiths, R, Brawata, RL, Kath, J, Reynoldson, T & Jakeman, A (2013) Predicting water quality and ecological responses. National Climate Change Adaptation Research Facility, Gold Coast, 198 pp. ISBN: 978-1-925039-19-1

Others

Technical Reports: 10

Participation in R+D Projects: 6

Research Stages

Tvärminne Zoological Station. University of Helsinki (2016/17)

Centre for Biodiversity and Ecology Research. University of Waikato (10 months) PhD-student and Postdoc

Institute of Aquatic Ecology- University of Girona (10 months) Teaching and collaboration

Ornithological Station of Helgoland (2 weeks) Training practices

Ernst-Moritz-Arndt Universität Greifswald (10 months) Erasmus

CONGRESS CONTRIBUTIONS

Oral contributions:

CoastGIS, Ísafjörður (Iceland), September 2018

ASLO (American Society of Limnology and Oceanography), Granada (Spain), February 2015

ASLO (American Society of Limnology and Oceanography), New Orleans (USA), February 2013

ASL 51 (Australian Society of Limnology), Armidale (Australia), November 2012

ECSA 47 (Estuarine & Coastal Sciences Association), Figueira da Foz (Portugal), September 2010

SEFS 6 (Symposium for European Freshwater Sciences), Sinaia (Romania), August 2009

3rd European Pond Conservation Network Workshop, Valencia (Spain), May 2008

Poster contributions:

ECSA 47 (Estuarine & Coastal Sciences Association), Figueira da Foz (Portugal), September 2010
I Workshop on Conservation of Biological Diversity, Vigo (Spain), September 2008
XIX Congress AEL (Spanish Association of Limnology), Huelva (Spain), September 2008
V Symposium for European Freshwater Sciences, Palermo (Italy) September 2007

Organised workshops

1st “MSP Challenge 2050” <http://www.mspchallenge.info/> Novia University (Finland): 10th – 12th October 2018
2nd “MSP Challenge 2050” Novia University (Finland): 12th – 14th February 2020
1st **Dahlem Workshop:** “Theoretical concepts - Methodologies Scenarios for Global Climate Change”
Location: University of Vigo (Spain) - 14th – 18th April 2009
2nd **Dahlem Workshop:** “Good and services understanding ecosystems and human dependency on biodiversity in the light of climate change” Location: Sóller (Mallorca, Spain) - 29th June - 2nd July 2009

Other knowledge and skills

Environmental management:

Information Technology and Communication (ITC) Expert in Environmental Business Management
Practical and theoretical course - 500 hours

Statistics and GIS:

Statistics and Programming with R for Biological Sciences – PORTUGAL
Initiation course on Quantum GIS – PORTUGAL
Programming Bayesian Network Solutions – AUSTRALIA
Workshop on Analysis of Multivariate Data from Ecology and Environmental Science – AUSTRALIA
Bayesian Network Training with Bayesian Intelligence – AUSTRALIA
Advanced Interdisciplinary Course: Data analysis tools in ecology – PORTUGAL.
International Course: Quantitative marine ecology – SPAIN

Pedagogic Training

Education and Health: developing autonomy and personal initiative
Educating from diversity: attention to educational needs of immigration in the classroom
School environment: an educational partner challenge in the xxi century

Fellowships

Grant holder from the University of Vigo: research stage in New Zealand 2010
Grant holder from the University of Vigo: attendance at international conferences 2008, 2009, 2010
PhD Fellowship (University of Vigo) 2009-2011
MSc Fellowship (Xunta de Galicia-Spain) 2008-2009

Computer skills

Statistic s software: R, SPSS, STATISTICA, PRIMER, GMAV, SYSTAT, Species Diversity and Richness, EstimateS, Netica, GIMP2, Sigmaplot, among others
GIS software: ArcGIS, QGIS
Bibliographic database management: EndNote, Mendeley
MS programs and applications: MS Office (Word, Excel, Powerpoint, Access, Outlook)

Languages

Spanish: Mother tongue

English: First Certificate in English (Very good)

German: Goethe-Zertifikat C1 (Very Good)

Portuguese: B2 (Good)

Swedish: Basic

Hanko, 28th May 2020

Paloma Lucena-Moya