

## **Laura Concostrina Zubiri**

Ph.D. in Natural Resource Conservation, Universidad Rey Juan Carlos, Spain. 2012.

### Research interests

1. Community and Ecosystem Ecology: to understand how communities respond to changes in abiotic and biotic conditions such as climate gradients, disturbance-recovery processes and habitat structure, from local to regional scale.
2. Functional Diversity: to measure functional diversity, evaluate its effects on ecosystem processes and quantify its contribution to ecosystem services.
3. Drylands and Biological soil crusts: to understand and model ecosystem dynamics from hiper-arid to dry sub-humid lands using Biological Soil Crusts (terricolous lichens, bryophytes, cyanobacteria) as a model system.

### Current position

Marie Curie Post-doctoral Fellow at Centre for Ecology, Evolution and Environmental Changes (cE3c) - Universidade de Lisboa, Portugal (2014 – Present).

### Publications in peer-reviewed science journals

**Concostrina-Zubiri, L.**, and Granzow de la Cerda, I. 2014. Confirmed presence of *Gigaspermum repens* (Hook.) Lindb. in the New World. *Journal of Bryology*. DOI: 10.1179/1743282014Y.0000000128.

**Concostrina-Zubiri, L.**, Huber-Sannwald, E., Martinez, I., Flores Flores, J.L., Reyes-Agüero, J.A., Escudero, A., Belnap, J. 2014. Biological soil crusts across disturbance-recovery scenarios: effect of grazing regime on community dynamics. *Ecological applications* 24:1863–1877. DOI: 10.1890/13-1416.1.

**Concostrina-Zubiri, L.**, Martinez, I., Pescador, D.S., Escudero, A. 2014. Climate and small scale factors determine functional diversity shifts of biological soil crusts in Iberian drylands. Invited issue. *Biodiversity and Conservation* 23:1757-1770. DOI 10.1007/s10531-014-0683-9.

**Concostrina-Zubiri, L.**, Huber-Sannwald, E., Martinez, I., Flores Flores, J.L., Escudero, A. 2013. Biological soil crusts greatly contribute to small-scale soil heterogeneity along a grazing gradient. *Soil Biology and Biochemistry* 64:28–36. DOI: 10.1016/j.soilbio.2013.03.029.

**Concostrina-Zubiri, L.**, Martinez, I., Rabasa, S.G., Escudero, A. 2013. The influence of environmental factors on Biological soil crust: from a community perspective to a species level approach. *Journal of Vegetation Science* 25: 503-513. DOI: 10.1111/jvs.12084.

**Concostrina-Zubiri, L.**, Martinez, I., Huber-Sannwald, E., Escudero, A. 2013. Biological Soil Crusts effects and responses in arid ecosystems: recent advances at the species level. *Ecosistemas* 22:95-100. DOI: 10.7818/ECOS.2013.22-3.13.

### Book chapters

Huber-Sannwald, E., Arredondo Moreno, T., **Concostrina-Zubiri, L.** 2010. Valores ocultos - biodiversidad en desiertos (Hidden values – biodiversity in deserts). In: F. Peña (editor), La construcción social del territorio: historia, cultura y medioambiente. COLSAN, San Luis Potosí, Mexico.

#### Participation in national and international meetings

Participation in 8 international meetings (3 oral communications and 2 posters as 1<sup>st</sup> author) and 6 national meetings (4 oral communications as 1<sup>st</sup> author). Organizer (2), participant (2 oral communications as 1<sup>st</sup> author) and invited participant (1) in 5 international workshops.

#### Competitive fellowships

“Intra-European Fellowships for Career Development”. Marie Curie Actions – European Union. 2014.

“REMEDINAL-2 Post-doctoral Fellowship”. REMEDINAL-2 – Spain. 2013.

“MAEC-AECID Predoctoral Fellowship”. Ministry of Foreign Affairs and Cooperation (MAEC) – Agency for International Cooperation and Development of Spain (AECID) – Spain. 2008 – 2010.

#### Collaborative involvement with funded Research Projects and Research Networks

“ECONNECT: Connection of ecological fluxes through linear infrastructures”. OHL, S.A, Spain. 2013-2016.

“Evaluation of ecosystem processes in semiarid ecosystems: a tool for adaptation to global change”. Iberoamerican Program of Science and Technology for Development CYTED. 2007–2010.

“Going forward to desertification combat in Mexico”. Secretary of Environment and Natural Resources, México. 2007-2010.

“REMEDINAL-2”, “Ecological Restoration in Madrid region”. Madrid region Government, European Union (FEDER, FSE), Biodiversidad Foundation, BBVA Foundation, Spain. 2013.