

Personal data

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| Name, surname | Jorge Miguel Lobo | | |
| National document of identity | 02511686V | Age | 63 |
| Researcher ID | E-2309-2013 | | |
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Current professional status

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|-----------------------|-----------------------------------------------------------------------|------------|----------------------------------------------------------------------|
| Institution | CSIC | | |
| Dpto./Center | Biogeography and Global Change National Museum of Natural Sciences | | |
| Address | José Gutiérrez Abascal 2, Madrid | | |
| Telephone | 00 34 91 4111328 | Email | Jorge.Lobo@mncn.csic.es |
| Professional category | Research professor | Start date | 2011 |
| UNESCO code | 240106 | | |
| Key words | Biodiversity, biogeography, macroecology | | |

Academic training

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| Bachelor's degree | Universidad Autónoma de Madrid | 1982 |
| PhD | Universidad Autónoma de Madrid | 1992 |

Brief CV

CSIC researcher since 2001. My scientific interest focuses on the description of biodiversity patterns, the delimitation of the processes that generate them, and the accomplishment of models capable of predicting the niche and the geographical distribution of organisms, as well as reserve selections, the effects of global change and the delimitation of the drawbacks and possibilities of the available information on biodiversity. A large part of my research is limited to the Iberian-Balearic region and the Coleoptera of the Scarabaeoidea superfamily, although I have worked with different groups of organisms and in different regions of the world.

Most relevant merits**Publications**

- Total number of publications: 339
- Total number of publications in SCI journals: 194
- Mean number of citations according to Web of Science: 37.4
- Total number of citations in the Web of Science: 9569
- H index according to the Web of Science: 49
- Total number of citations in Google Scholar: 14948
- H index in Google Scholar: 61
- Author of 6 papers considered as "Highly Cited Papers"

Some examples

- Lobo, J.M., Jiménez-Valverde, A. & Real, R. 2008. AUC: A misleading measure of the performance of predictive distribution models. *Global Ecology and Biogeography* 17: 145-151. *A highly cited paper (1.110 citations in WoS) allowing to change the way of dealing with the validation processes of distribution models aimed at estimating the probable distribution of organisms under different change scenarios.*
- Lobo, J.M., Jiménez-Valverde, A. & Hortal, J. 2010. The uncertain nature of absences and their importance in species distribution Modelling. *Ecography* 33: 103-114. *A highly cited manuscript (251 citations in WoS) that has served to understand the need for exhaustive databases capable of obtaining reliable information on the absences of the species.*

- Lobo, J.M., Castro, I. & Moreno, J.C. 2001. Spatial and environmental determinants of vascular plant species richness distribution in the Iberian Peninsula and Balearic islands. *Biological Journal of the Linnean Society* 72: 233-253. *Paper with 130 citations that constitute the first reference in Spain on the distribution of a large number of species, in order to study the comparative effect of a large number of different causal factors.*
- Jiménez-Valverde, A., Peterson, A.T., Soberón, J., Overton, J., Aragón, P & Lobo, J.M. 2011. Use of niche models in invasive species risk assessments. *Biological Invasions* 13: 2785-2797. *A highly cited work (254 citations in WoS) directed by me, which proposes a methodological framework to estimate the risk of invasion of exotic species based on their geographic information.*
- Lobo, J.M., Martín-Piera, F. & Veiga, C.M. 1988. Las trampas pitfall con cebo, sus posibilidades en el estudio de las comunidades coprófagas de Scarabaeoidea (Col.). I. Características determinantes de su capacidad de captura. *Revue d'Ecologie et de Biologie du Sol* 25: 77-100. *A manuscript with 87 citations that was my first publication in an international journal, proposing a standardized method of collecting coprophagous beetles that has become a key tool for faunistic studies.*

Projects

I participate in 39 national and international research projects leading 10 of them.

Some examples

- *Title:* Predictive Faunistic: Comparative analysis about the effectiveness of different reserve selection methodologies. *Funding agency:* DGICYT. *Participantes:* Museo Nacional de Ciencias Naturales, Centre National de la Recherche Scientifique, Universidad de Alicante. *Project duration:* 2002-2004. *Budget:* 9.000.000 pts. *Main researcher:* Dr. Jorge M. Lobo. *Total number of participants:* 5.
- *Title:* Design of a reserve network for the protection of biodiversity in Southern America using distribution predictive models with hyperdiverse taxa. *Funding agency:* Fundación BBVA. *Participantes:* Museo Nacional de Ciencias Naturales, Consejo Nacional de Investigaciones Científicas y Técnicas de la República de Argentina. *Project duration:* 2004-2007. *Budget:* 189.995 €. *Main researcher:* Dr. Jorge M. Lobo. *Total number of participants:* 10.
- *Title:* Network of Excellence EDIT (European Distributed Institute of Taxonomy). Work package 5 "Internet platform for cybertaxonomy". Activity E "Geographical platform components". *Funding agency:* Sixth Framework Programme (EU). *Participants:* Museo Nacional de Ciencias Naturales and 27 EU institutions. *Project duration:* 2006-2010. *Budget:* 150.000 €. *Main researcher:* Dr. Jorge M. Lobo (E activity).
- *Title:* Potential distribution in hyperdiverse taxa: estimating the location of new species and studying the effects of land use changes. *Funding agency:* CONABIO (JM032). *Participants:* Instituto de Ecología A.C. (México), Museo Nacional de Ciencias Naturales de Madrid, Universidad Complutense de Madrid, Museo di Storia Naturale e del Territorio (Italia), Universidade Federal Mato Grosso (Brasil). *Project duration:* 2013-2014. *Budget:* 514.661 \$. *Main researcher:* Dr. Federico Escobar Sarria. *Total number of participants:* 6.
- *Title:* Influence of thermal niche in the geographical distribution of species: An approach to understand the ecology and biogeography of dung beetles by using species distribution models and ecophysiological and phylogenetic information. *Funding agency:* Ministerio de Ciencia e Innovación (CGL2011-25544). *Participants:* Museo Nacional de Ciencias Naturales de Madrid, Universidad de Alicante y Universidad Complutense de Madrid. *Project duration:* 2012-2015. *Budget:* 123.000 €. *Main researcher:* Dr. Jorge M. Lobo. *Total number of participants:* 5.

Contracts

- *Title:* Identification of biodiversity hotspots in Europe. Contract and work program between the Museo Nacional de Ciencias Naturales of Madrid and the Centre Thématique Européen pour la Protection, la Nature et la Biodiversité (AEE). *Activity:* development of the EEA core set of biodiversity indicators. *Funding agency:* Centre Thématique Européen pour la Protection, la Nature et la Biodiversité (AEE) (France). *Participants:* Museo Nacional de Ciencias Naturales. *Duration:* 2002/2003. *Main researcher:* Jorge M. Lobo. *Total number of participants:* 1. *Budget:* 30.000 €.
- *Title:* Proposal of indicators for the National System of Natural Heritage and Biodiversity. *Activity:* Expert and technical support. *Funding agency:* TRAGSATEC-Tecnologías y Servicios Agrarios S.A. *Duration:* 2012. *Main researcher:* Jorge M. Lobo. *Total number of participants:* 1. *Budget:* 2.904 €.
- *Title:* Impact des changements climatiques sur l'extension des Scarabéides coprophages (Insectes Coléoptères) dans les Alpes du Sud. *Funding agency:* Comité Ecologie et Gestion du Patrimoine Naturel del Ministère del Environnement (France). *Participants:* Laboratoire de Zoogeographie, Universidad Paul Valery de Montpellier. *Duration:* 1995/1996. *Main researcher:* Dr. Jean-Pierre Lumaret. *Total number of participants:* 3. *Budget:* 200.000 FF.
- *Title:* Strategy of selection of municipalities for the study "Evaluation of actions funded by the General State Budget in the regions economically influenced by the network of national parks". *Funding agency:* Observatory for Sustainability. *Participants:* Museo Nacional de Ciencias Naturales. *Duration:* 2009-2010. *Main researcher:* Jorge M. Lobo. *Total number of participants:* 2. *Budget:* 10.000 €.

Other merits

- 14 doctoral theses directed, 11 of them during the last 10 years.
- Vice director of Natural History Collections de during 4 years in the National Museum of Natural history of Madrid.
- Nominated by Thomson Reuters as one of the "World's most Influential Scientific Minds" during 2015 in the research field of Environment/Ecology.
- Member of the "Task Group on data fitness for use in Distribution Modelling" created by the Global Biodiversity Information Facility.
- Associated editor of *Acta Zoologica Mexicana*, *Animal Biodiversity and Conservation*, *Biodiversity and Conservation*, *Boletín de la Sociedad Entomológica Aragonesa*, *Ecosistemas*, *Insect Conservation and Diversity* y *Journal of Nature Conservation*.