

Jaime Güemes

Director of the Botanical Garden of the University of Valencia.

PhD in Biology. Curator of the Botanical Garden of the University of Valencia since 1992. Associate Professor of the University of Valencia (2007-2013). President of the Spanish Society of Biology of Plant Conservation (2000-2015). President of the Flora Commission of the Spanish Committee of IUCN since (2004-2015). Scientific Advisory member of the Board of Wild Flora of the Generalitat Valenciana since its creation. Advisor of the Biodiversity Data Bank of the Valencian Community. Professor of the Master of Biodiversity of the Ibero-American Center for Biodiversity of the University of Alicante. Member of the Board of the Enrique Montoliu Foundation. Actually, he is the president of the Asociación Iberomacaronésica de Jardines Botánicos. This organization meets all Botanical Gardens of Spain and Portugal.

He has worked in various fields of botany, mainly in those related to Systematic (taxonomy, morphology, nomenclature, or phylogeny) and the Conservation of Threatened Flora (reproductive biology, genetic diversity, population dynamics, red lists). He has published more than a hundred research papers in national and international journals. He has participated in more than fifty research projects on systematic, conservation or management of databases of scientific collections. In most of them, as principal researcher.

He has been regional coordinator and researcher of the project Atlas of Spanish Threatened Flora from 2000 to 2010. He has been responsible for the project of Monitoring of Spanish Plant Diversity and the Evaluation of Compliance with the objectives of the Global Strategy for Plant Conservation (2012- 2015). He has been a researcher in the *Flora iberica* project since 1995. Also in the European projects Spanish and Portuguese Platform for Botanical Diversity Data Online; GENMEDOC: an inter-regional network of Mediterranean Seed Banks; SEMCLIMED: effects of the climatic change on seed germination of wild Mediterranean plants. In the CSIC General Foundation project: Do all endangered species hold the same value? Origin and conservation of living fossils of flowering plants endemic to Spain.

## **CURRICULUM VITAE**

PHD JAIME GÜEMES

NIF 22.682.607-F

### **TITULATION**

PhD of Biology, from the University of Valencia. Date of reading, October 25, 1991. Qualification: Excellent "Cum Laude".

### **CURRENT SITUATION**

Active career officer, Senior Technician in Research of the Scientific Collections. Curator of the Botanical Garden of the University of Valencia. Date of appointment 15-11-1992. Director of the Botanical Garden of the University of Valencia, since 1-07-2018

### **DESTINATION**

Botanical Garden, Cavanilles Institute of Biodiversity and Evolutionary Biology, University of Valencia

### **RESEARCH LINES**

- Plant biosystematics.
- Conservation of plant genetic resources.
- Reproductive biology of plants.

### **COMPETITIVE RESEARCH PROJECTS (LAST 10 YEARS)**

“Flora Iberica VII”

Funded by the Ministerio de Educación y Ciencia. Dirección General de Investigación Científica y Técnica

Principal research: PhD Santiago Castroviejo (CSIC, Royal Botanical Garden, Madrid)

Year: 2005-2008

“SEMCLIMED: an inter-regional network of Mediterranean Seed Banks”

Funded by European Union Europea, InterReg projects program

Principal research: Antonio Marzo, Generalitat Valenciana

Year: 2006-2008

“Speciation, phylogeny and reproduction in the genera *Chaenorhinum* and *Cymbalaria* (Scrophulariaceae): implications for the conservation of threatened species” (CGL2006-07368/BOS)

Funded by the Ministerio de Educación y Ciencia. Dirección General de Investigación Científica y Técnica

Principal research: PhD Jaime Güemes (University of Valencia)

Year: 2006-2009

“Flora Iberica VIII”

Funded by the Ministerio de Educación y Ciencia. Dirección General de Investigación Científica y Técnica  
Principal research: PhD Carlos Aedo (CSIC, Royal Botanical Garden, Madrid)  
Year: 2009-2011

“Conservation of threatened plants from extremely fragmented habitats: *Silene hifacensis* as a case study”

Funded by the University of Valencia  
Principal research: PhD Jaime Güemes (University of Valencia)  
Year: 2010-2011

“Do all endangered species hold the same value?: origin and conservation of living fossils of flowering plants endemic to Spain”

Subvencionado por la Fundación General del CSIC  
Principal research: PhD Pablo Vargas (CSIC, Royal Botanical Garden, Madrid)  
Year: 2010-2013

“Flora Iberica IX”

Subvencionado por el Ministerio de Educación y Ciencia. Dirección General de Investigación Científica y Técnica  
Principal research: PhD Carlos Aedo (CSIC, Royal Botanical Garden, Madrid)  
Year: 2012-2014

“Flora Iberica X”

Subvencionado por el Ministerio de Educación y Ciencia. Dirección General de Investigación Científica y Técnica  
Principal research: PhD Carlos Aedo (CSIC, Royal Botanical Garden, Madrid)  
Year: 2015-2017

#### **BOOKS RELATED WITH THE OBJECT OF PROJECT (LAST 10 YEARS)**

Navarro, A.J., R. Herreros, M.P. Blasco & **J. Güemes** (2011) *Limonium mansanetianum* M.B. Crespo & Lledó. En: A. Bañares, G. Blanca, J. Güemes, J.C. Moreno & S. Ortiz. Atlas y Libro Rojo de la Flora Vasculare Amenazada de España. Adenda 2010. Ministerio de Medio Ambiente, Madrid: 42-43.

Blasco, M.P., J. Fabado, E. Carrió, J.F. Güemes, N. Torres, G. Ballester, S. Fos, J. Pérez Botella & **J. Güemes** (2011) *Silene hifacensis* Rouy ex Willk. En: A. Bañares, G. Blanca, J. Güemes, J.C. Moreno & S. Ortiz. Atlas y Libro Rojo de la Flora Vasculare Amenazada de España. Adenda 2010. Ministerio de Medio Ambiente, Madrid: 92-93.

Bañares, A., G. Blanca, **J. Güemes**, J.C. Moreno & S. Ortiz –eds.- (2011) Atlas y Libro Rojo de la Flora Vasculare Amenazada de España. Adenda 2010. Ministerio de Medio Ambiente, Madrid. 172 pp.

Aguilella, A., S. Fos, E. Laguna, C. Torres, E. Lluzar, M. Sánchez, A. Ibars, C. Fabregat, F. Puche, F. Alcaraz, I. Mateu, G. Mateo, **J. Güemes**, J. Riera, J. Gómez, J. Juárez, J.J. Herrero-Borgoñón, J.M. Arregui, L. Serra, M.B. Crespo, S. López, O. Mayoral, A.J. Navarro, A. Marzo, A. Sebastián, C. Peña, E. Carrió, E. Estrelles, J.X. Soler, J. Fabado, J. Pérez, J. Prieto, J.E. Oltra, P. Ferrer, P. Pérez, R. Herreros & V. Deltoro (2010) Catálogo Valenciano de Especies de Flora Amenazadas. Conselleria de Medi Ambient, Aigua, Territori, Urbanisme i Habitatge, Valencia. 358 pp.

#### **SCIENTIFIC PAPERS RELATED WITH THE OBJECT OF PROJECT (LAST 5 YEARS)**

- Carrió, E. & **J. Güemes** (2013) Pollination biology in an endangered rocky mountain toadflax (*Linaria cavanillesii*). *Plant Biosystems* 147: 354-363.
- Carrió, E. & **J. Güemes** (2013). The role of a mixed mating system in the reproduction of a Mediterranean subshrub (*Fumana hispidula*, Cistaceae). *Journal Plant Research* 126: 33-40.
- Ferrer-Gallego, P.P., E. Laguna, E. & **J. Güemes** (2013) Lectotipificación de *Cistus laevipes*. (Cistaceae) *Botanica Complutensis* 37: 79-81.
- Mayoral, O., E. Carrió, A. Coronado, T. Marín, A. Buirá & **J. Güemes** (2013) Contribución al conocimiento de las poblaciones septentrionales de *Atropa baetica* Willk. (Solanaceae) en la Península Ibérica. *Flora Montiberica* 55: 38-53.
- Carrió E. & **J. Güemes** (2014) The effectiveness of pre- and post-zygotic barriers in avoiding hybridization between two snapdragons (*Antirrhinum* L.: Plantaginaceae). *Botanical Journal of the Linnean Society* 176: 159–172.
- Güemes J.**, F. Marchal, E. Carrió & P. Blasco (2016) A new gypsophilous species of *Chaenorhinum* (Antirrhinaceae) from the south-east of the Iberian Peninsula. *Plant Biosystems* 150: 141-151.
- Güemes J.** & J. Mota (2017) *Gadoria* (Antirrhineae, Plantaginaceae): A new genus, endemic from Sierra de Gádor, Almería, Spain. *Phytotaxa* 298: 201-221.
- Carrió E. & **J. Güemes** (2019) Can the problem of hybridization in threatened species be evaluated using a fieldwork research? A case study in snapdragons. *Journal for Nature Conservation* 48: 47-53.

#### **PHD THESIS CONDUCTED**

Title: Phylogenetic relationships and speciation processes in the species of sect. *Kickxiella* of *Antirrhinum* -Scrophulariaceae-

PhD: Juan Francisco Jiménez Martínez

University: University of Murcia, Spain

Faculty: Faculty of Biology

Year: 2003

Qualification: Excellent “cum laude”

Title: Hybridization in the origin and extinction of species in the genus *Antirrhinum* (Scrophulariaceae): the case of threatened rupicolous *A. charidemi*, *A. subbaeticum* and *A. valentinum*

PhD: Elena Carrió González

University: University of Valencia, Spain

Faculty: Faculty of Biology

Year: 2010

Qualification: Excellent “cum laude”

Title: Taxonomic interest of the micromorphological characters of the genus *Chaenorhinum* (DC.) Rchb

PhD: Pilar Blasco Conesa

University: University of Valencia, Spain

Faculty: Faculty of Biology

Year: 2017

Qualification: Excellent “cum laude”

Valencia, January 25, 2019