



Part A. PERSONAL INFORMATION		CV date		14/06/2018
First and Family name	Tomás Rodríguez-Riaño			
Social Security, Passport, ID number	79264179-S	Age	49	
Researcher numbers	Researcher ID	K-2413-2014		
	Orcid code	0000-0003-0260-1873		

A.1. Current position

Name of University/Institution	Universidad de Extremadura			
Department	Biología Vegetal, Ecología y Ciencias de la Tierra			
Address and Country	Avda. de Elvas s.n. (Spain)			
Phone number	924 289300 Ext. 86962	E-mail	trodri@unex.es	
Current position	Profesor Titular de Universidad	From	04-30-2010	
Espec. cód. UNESCO	241708 / 241711 / 241791 / 241799			
Palabras clave	pollination - systematics - embryology - reproduction			

A.2. Education

	University	Year
PhD in Biological Sciences	University of Extremadura	1997
Degree in Biology Sciences	University of Extremadura	1991

A.3. JCR articles, h Index, thesis supervised...

Six-year research periods: 3.

Date of the last six-year research period got: from 01/01/2008 to 31/12/2013

Number of directed PhD theses in the last ten years: 1

Total citations: 785 (according to Google Scholar), 448 (web of science)

Mean citations/year during the last 5 years (2013-2017): 73,8 (Google Scholar), 46,2 (web of science)

Total publications in the first quartile (Q1): 9

Total publications in the second quartile (Q2): 18

h index: 16 (indicators according to Google Scholar), 12 (web of science)

Total number of congress contributions: 18

Part B. CV SUMMARY (max. 3500 characters, including spaces)

The research career of Tomás Rodríguez can be divided into three distinct periods:

Pre-doctoral period: during this time, he carried out his PhD dissertation research as a fellow of the Ministry of Education and Science of Spain. In addition, he carried out taxonomic treatments for some small groups belonging to the Extremaduran flora and collaborated with other investigators in the botany section.

Post-doctoral period: this phase was divided into two sub-periods, namely,

Post-doctoral research fellow: under the direction of Professor Amots Dafni, Tomás Rodríguez studied pollen–pistil interactions and published the results of his PhD and post-doctoral research.

Instructor at the University of Extremadura (UEx): after his post-doctoral period, he returned to UEx as an Assistant Professor. At present, he is “Profesor Titular de Universidad”.

His research work consists of: (1) participating as a researcher in several projects focused on the genera *Anagyris*, *Cytisus* and *Scrophularia*. His involvement in the project on *Anagyris* entails co-supervision of a doctoral thesis; (2) serving as principal researcher in a project on the embryology of *S. arguta* and (3) performing taxonomic treatments of several groups for *Flora Iberica*.



His research history can be summarized as follows:

(1) Study of the reproductive biology, including pollination, self-incompatibility, embryology and inbreeding depression, of shrubby legumes of the Mediterranean region (*C. striatus*, *C. multiflorus*, *Retama sphaerocarpa* and *A. foetida*); (2) study of the pollination biology, phylogeography and staminodal evolution of the genus *Scrophularia* and (3) embryological study of chasmogamous and cleistogamous flowers of *S. arguta*.

The main results of his involvement in various publically funded research projects is summarized as follows:

- publication of 29 papers in journals with an impact index at the time of publication, most of which are ranked in the upper two-thirds of plant sciences journals;
- publication of 7 papers in international and national journals with no impact index at the time of publication, but with international recognition, and two in science magazines;
- publication of a monograph on legumes (*Floral Biology in Legumes*), a collective book, several chapters in the book *Vegetation and Flora of Extremadura* and several chapters in *Flora Iberica*;
- 6 oral presentations and 12 posters at 13 international conferences.

The above research work has been recognized with 3 six-year research periods granted by the CNEAI.

Part C. RELEVANT MERITS

C.1. Publications (including books)

Rodríguez-Riaño T., Pérez-Bote J.L., López J., Mayo C., Valtueña F.J., González M. & Ortega-Olivencia A. 2019. Effects of different abiotic and biotic factors on spatial primary seed dispersal in the semachorous species *Scrophularia canina*. *Plant Species Biology* 34: 152-165.

Navarro-Pérez M.L., López J., Rodríguez-Riaño T., & Ortega-Olivencia A. 2019. Reproductive system of two Mediterranean *Scrophularia* species with large, showy flowers. *Botany Letters* 166: 467-477.

Rodríguez-Riaño T., Pérez-Bote J.L., López J., Valtueña F.J., González M. & Ortega-Olivencia A. 2017. Temporal and spatial intraspecific variation of primary seed dispersal in *Scrophularia canina* L., a widespread plant with unspecialized diaspores. *Plant Ecology & Diversity* 10: 53-63.

Valtueña F.J., López J., Álvarez J., Rodríguez-Riaño T. & Ortega-Olivencia A. 2016. *Scrophularia arguta*, a widespread annual plant in the Canary Islands: a single recent colonization event or a more complex phylogeographic pattern? *Ecology and Evolution* 6: 4258-4273.

Rodríguez-Riaño T., Valtueña F.J., López J., Pérez-Bote J.L., Mayo C. & Ortega-Olivencia A. 2015. Floral vascular pattern in some *Scrophularia* species with special emphasis on staminode and nectariferous disk. *International Journal of Plant Science* 176: 554-566.

Rodríguez-Riaño T., Valtueña F.J., López J., Navarro-Pérez M.L., Pérez-Bote J.L. & Ortega-Olivencia A. 2015. Evolution of the staminode in a representative sample of *Scrophularia* and its role as nectar safeguard in three widespread species. *The Science of Nature (Naturwissenschaften)* 102: 37. doi:10.1007/s00114-015-1284-5.

Rodríguez-Riaño T., Ortega-Olivencia A., López J., Pérez-Bote J.L., & Navarro-Pérez M.L. 2014. Main sugar composition of floral nectar in three species groups of *Scrophularia* (Scrophulariaceae) with different principal pollinators. *Plant Biology* 16: 1075-1086.

Navarro-Pérez M.L., López J., Fernández-Mazuecos M., Rodríguez-Riaño T., Vargas P. & Ortega-Olivencia A. 2013. The role of birds and insects in pollination shifts of *Scrophularia* (Scrophulariaceae). *Molecular Phylogenetics and Evolution* 69: 239-254.



Ortega-Olivencia A., Rodríguez-Riaño T., Pérez-Bote J.L., López J., Mayo C., Valtueña F.J. & Navarro-Pérez M. 2012. Insects, birds and lizards as pollinators of the largest-flowered *Scrophularia* of Europe and Macaronesia. *Annals of Botany* 109: 153-157.

Valtueña F.J., Rodríguez-Riaño T., Espinosa F. & Ortega-Olivencia A. 2010. Self-sterility in two *Cytisus* species (Leguminosae, Papilionoideae) due to early-acting inbreeding

C.2. Research projects and grants

Reference: IB18021

Title: Biología reproductiva y genética poblacional de *Scrophularia oxyrhyncha* Coincy, un endemismo con su área de distribución principal en Extremadura.

Funding Entity: Council of Economy and Infrastructure. Junta of Extremadura.

Announcement: 2019

PR: Francisco J. Valtueña Sánchez

Entity of affiliation: University of Extremadura

Start and end date: 08-02-2019 / 07-02-2022

Amount of the grant: 149 999,30 €

Type of participation: Researcher

Reference: IB13126

Title: Pollination system and embryology in *Scrophularia arguta*: initial studies for its conservation.

Funding Entity: Council of Economy, Competitiveness and Innovation. Junta of Extremadura.

Announcement: 2013

PR: Tomás Rodríguez Riaño

Entity of affiliation: University of Extremadura

Start and end date: 31-07-2014 / 30-07-2016

Amount of the grant: 59 030 €

Type of participation: Researcher

Reference: CGL2011-24140

Title: Floral biology and phylogeography in Iberian species of *Scrophularia* (Scrophulariaceae).

Funding Entity: General Direction for Research and Management of the R&D&I National Plan, General Subdirection of Research Projects, Ministry of Science and Innovation.

Announcement: 2011

PR: Ana Ortega Olivencia

Entity of affiliation: University de Extremadura

Start and end date: 01-01-2012 / 31-12-2014

Amount of the grant: 114 950 €

Type of participation: Researcher

Reference: CGL2008-00123

Title: Analysis of the possible existence of ornithophily in *Scrophularia* L. (Scrophulariaceae).

Funding Entity: General Direction of Programs and Knowledge Transfer. Ministry of Science and Innovation.

Announcement: 2008

PR: Ana Ortega Olivencia

Entity of affiliation: University of Extremadura

Start and end date: 12-13-2008 / 12-30-2011

Amount of the grant: 143 990 €

Type of participation: Researcher

C.5, C.6, C.7... (e. g., Institutional responsibilities, memberships of scientific societies...)

Oral Presentation: Rodríguez-Riaño T., López J., Pérez-Bote J.L., Mayo C., Valtueña F.J., Navarro-Pérez M.L. & Ortega-Olivencia A. *Messor barbarus* as seed removal of *Scrophularia canina*



XVII Iberian Entomology Congress
Lisboa (Portugal) 09-05/08-2016

Invited lecture: Rodríguez-Riaño T., Ortega-Olivencia A., López J., Pérez-Bote J.L., Navarro-Pérez M.L., Valtueña F.J. & Mayo C. Is main sugar composition of floral nectar determined by pollinators in *Scrophularia* species?

International Meeting on Plant Reproduction
Bologna (Italy) 09-16-2014

Oral Presentation: Valtueña F.J., López J., Ortega-Olivencia A. & Rodríguez-Riaño T. Effects of inbreeding depression in vegetative and reproductive parameters of *Anagyris foetida* (Leguminosae, Papilionoideae) in two populations from SW Spain

International Plant Breeding Congress
Antalya (Turkey) 11-10/14-2013

Oral Presentation: Valtueña F.J., Rodríguez-Riaño T. López J. & Ortega-Olivencia A. Causes of self-sterility in *Cytisus multiflorus* and *C. striatus* (Leguminosae)

Green Plant Breeding Technologies, International Conference
Viena (Austria) 02-02/05-2010