

Part A. PERSONAL INFORMATION		CV date		09/20/2018
First and Family name	J. Carlos Souto Otero			
Social Security, Passport, ID number	36072834W	Age	51	
Researcher numbers	Researcher ID	H-5888-2015		
	Orcid code			

A.1. Current position

Name of University/Institution	University of Vigo		
Department	Engineering of Natural Resources and Environment		
Address and Country	E.E. Forestales, Campus A Xunqueira, 36005 Pontevedra		
Phone number	699617840	E-mail	csouto@uvigo.es
Current position	Full Profesor (Profesor Titular de Universidad)	From	August 2003
Espec. cód. UNESCO	241713- Plant Ecology		
Palabras clave	Biochemistry; secondary metabolites; fungal interactions; mycotoxin		

A.2. Education

PhD	University	Year
Biology	Santiago de Compostela	1997

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

Recognition of quality research for 3 six-year research periods (last one 2015)

Total SCI papers: 22

No. Total citations (WOS): 624

Average number of citations / year in the last 5 years (WOS): 43

Average number of citations / articles (WOS): 28

h Index (WOS): 13

Number of thesis supervised: 1

Part B. CV SUMMARY

Formed at the University of Santiago de Compostela, and later at the University of Vigo under the supervision of Dr. Manuel J. Reigosa. In 1992 I joined the Forestry Faculty at Vigo University as an Assistant Professor and since 2003 I have been a Full Professor of the University in the Plant Production Area. I defended my PhD thesis in 1997 (Outstanding cum laude) and later I did a postdoctoral stay at the Université de Savoie (France), funded by the government of the Rhone-Alpes Region and in collaboration with Dr. François Pellissier. My initial research topic was related to the allelopathic-biochemical capacity of invasive forest species in Galicia and other herbaceous plants. Since 2003 I began to collaborate with researchers from the Biological Mission of Galicia (CSIC), and the first fruit of that relationship was the co-direction of a doctoral thesis. In this field, my research topics were focus in searching the mechanisms of corn resistance against the attack of borers. Moving forward, in 2008 I started studying the biological interaction between plant crops and fungi mainly focusing on ergosterol production and mycotoxin contamination. Overall my research lines include the study of phenomena of chemical interference between plants, biology of weeds and the mechanisms of resistance against fungi. In the field of Higher Education I am coordinator of European Innovation projects and Director of the CREA and GREEN Campus at the Vigo University.

Part C. RELEVANT MERITS

C.1. Publications (including books)

1. SANTIAGO R. et al. 2018. Methods for determining cell wall-bound phenolics in maize stem tissues. *Journal of Agricultural and Food Chemistry*.66, pp.1279-1284.
2. LOPEZ-MALVAR A. et al. 2017. Chemical changes during maize tissue aging and its relationship with the Mediterranean corn borer resistance. *Journal of Agricultural and Food Chemistry*.65, pp.9180-9185.
3. CAO A. et al. 2014. Assessing white maize resistance to fumonisin contamination *European Journal of Plant Pathology*. 138, pp.283-292.
4. CAO A. et al. 2014. Critical environmental and fenotypic factors for *Fusarium verticillioides* infection, fungal growth and fumonisin contamination in maize grown in northwestern Spain. *International Journal of Food Microbiology*.177, pp.63-71.
5. CAO A. et al. 2011. Role of hydroxycinnamic acids in the infection of maize silks by *Fusarium graminearum* Schwabe. *Molecular Plant-Microbe Interactions*. 24 (9), pp.1020-1026.
6. SANTIAGO R. et al. 2006. Effect of maize pith free phenols on larval growth and development of *Sesamia nonagrioides* (Lepidoptera:Noctuidae) *Journal of Entomology*. 3(4), pp.281-289.
7. SANTIAGO R. et al. 2006. Putative diferulate content of maize sheaths is associated with resistance to the Mediterranean corn borer *Sesamia nonagrioides* (Lepidoptera: Noctuidae). *Journal of Agriculture and Food Chemistry*. 54, pp.9140-9144.
8. SOUTO X.C. et al. 2001. Allelopathic effects of tree species on some soil microbial populations and herbaceous plants. *Biologia Plantarum*. 44(2), pp. 269-275.
9. SOUTO X.C. et al. 2001. Book Chapter in *Handbook of Plant Ecophysiology Techniques. HPLC Techniques-Phenolics*. pp. 251-282. Edited by Manuel J. Reigosa Roger. Kluwer Academic Publishers.
10. SOUTO X.C. et al. 2000. Allelopathic effects of humus phenolics on growth and respiration of mycorrhizal fungi. *Journal of Chemical Ecology*. 26 (9) 2015-2023.

C.2. Research projects and grants

1. Reference: AGL2015-67313-C2-2-R
Title: Estudio de los mecanismos de defensa y de respuesta de las plantas de maíz frente a estreses bióticos
Financing Organism: Plan Nacional de I+D+I. Ministerio de Economía y Competitividad.
Principal Researcher: Rogelio Santiago Carabelos (UVIGO)
Period: 2016-2018
2. Reference: AGL2012-40151-C03-01
Title: Estrategias defensivas en pinos ibéricos: relevancia adaptativa en relación a caracteres alternativos de historia vital
Financing Organism: Plan Nacional de I+D+I. Ministerio de Economía y Competitividad.
Principal Researcher: Rafael Zas Arregui (CSIC)
Period: 2013-2015
3. Reference: AGL2009-12770
Title: Mejora genética de la resistencia a hongos del género *Fusarium* productores de micotoxinas
Financing Organism: Plan Nacional de I+D+I.
Principal Researcher: Ana Butrón Gómez (CSIC)

Period: 2010-2012

4. Reference: PGIDIT05RAG31001PR

Title: Estudio del componente alelopático en la capacidad invasiva de la mimosa (*Acacia dealbata* Link) en el bosque y las plantaciones forestales gallegas.

Financing Organism: Consellería de Innovación, Industria e Comercio. Dirección Xeral de Investigación e Desenvolvemento. XUNTA.

Principal Researcher: Manuel J. Reigosa Roger (UVIGO)

Period: 2005-2008

5. Reference: AGL2001-3736

Title: Resistencia del maíz frente al ataque del taladro mediado por factores mecánicos y químicos.

Financing Organism: Ministerio de Ciencia y Tecnología.

Principal Researcher: Jose Carlos Souto Otero (UVIGO)

Period: 2002-2004

C.3. Institutional Responsibilities

Director of Campus Crea and Green Campus at the University of Vigo (Campus of Pontevedra).

C.4. Experience in Higher Education Management

Coordinator (Univ. of Vigo) of the European Project LAPASSION (Latin-America Practices and Soft Skills for an Innovation Oriented Network). 2017-2020

C.5. Research Stages in Foreign Research Centers

Center: Université de Savoie; Location: Savoie; Country: France; 1998.

C.6. Memberships of Scientific Societies

International Allelopathy Society

C.7. Reviewer for SCI Journals

Environmental Forest Science, Allelopathy Journal, Journal of Chemical Ecology, Journal of Agricultural and Food Chemistry.