

## Part A. Personal Information

<b>DATE</b>	Abril 2020
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Surname(s)	Escudero		
Forename	Adrián		
Social Security, Passport, ID number	11796454F		
Sex	M		
Age	54		
Researcher codes	WoS Researcher ID (*)		
	SCOPUS Author ID(*)		
	Open Researcher and Contributor ID (ORCID)	http://orcid.org/0000-0002-1427-5465	

(\*) At least one of these is mandatory

### A.1. Current position

A.1.1. Current position		
Post/ Professional Category	Universidad Rey Juan Carlos/ Full Professor	
UNESCO Code		
Key Words	Ecology and Conservation Biology	
Name of the University/Institution	Universidad Rey Juan Carlos	
	Department/Centre	Biología, Geología, Física y Química inorgánica
	Full Address	
	Email Address	adrian.escudero@urjc.es
	Phone Number	34 679355490
Start date		

### A.2. Education (title, institution, date)

Year	University	Degree	Title
1987	Universidad Complutense Madrid	First degree	Licenciado en CC Biológicas
1992	Universidad Complutense Madrid	PhD	Biology

### A.3. Indicators of Quality in Scientific Production (See the instructions)

Google Academic (<https://scholar.google.es/citations?user=OHEKRk4AAAAJ&hl=es&oi=ao>)  
Number of cites 11821; H index 56, i10 index 201

Researchgate ([https://www.researchgate.net/profile/Adrian\\_Escudero](https://www.researchgate.net/profile/Adrian_Escudero))  
RG score 44,88; 9005 citations, 361 research items y 869 followers

## Part B. Free Summary of CV (Max. of 3.500 characters, including spaces)

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**The number of papers in SCI journals is 282**, including highly visible transversal journals such as Science, Nature, Nature Ecology and Evolution, others with lower impact factor but also very relevant, such as Biological Reviews, Proceedings of the Royal Society series B or Philosophical Transactions of the Royal Society, as well as all those in the top positions of ecology such as Ecology Letters, Ecology, Journal of Ecology, Oecologia, Oikos, Ecography, Journal of Applied Ecology and Ecological Applications, Annals of Botany, or New Phytologist. This production is complemented with some publications of divulgation in popular science and outreach publications, books and book chapters. This production has been possible thanks to competitive research grants of very different nature of which I have been the principal investigator, such as ISLAS, MOUNTAINS, ROOTS and PHENOTYPES, funded by the Ministry of Economy, and a large grant funded by the R&D programs of the Community of Madrid (REMEDINAL 1, 2, 3, and the last one TM), as well as grants funded by CYTED, CDTI, and agreements with companies such as the ECONECT project with OHL or the EXPERTAL project with Ferrovial. **The amount mobilized as PI is higher than 5 million euros.**

I have supervised **25 PhD theses**, plus three ongoing, with good scientific production in all cases and with a high percentage of researchers with relevant positions in the scientific system both nationally and abroad.

I have also management experience since I led during more than 10 years as **Head of the Department of Biology, Geology, Physics and Inorganic Chemistry** as well as positions of relevance in university management as a government advisor.

## Part C. Relevant accomplishments

### C.1. Publications

Cruz, M. de la, Quintana-Ascencio, P.F., Cayuela, L., Espinosa, C.I. & Escudero, A. Comment on “the extent of forest in drylands by Bastin et al. **Science** doi: 10.1126/science.aao0369.

Escudero, A., Palacio, S., Maestre, F. & Luzuriaga, A.L. 2014. Plant life on gypsum: a review of its multiple facets. **Biological Reviews** 90(1): 1-18

Delgado-Baquerizo, M., Maestre, F., Gallardo, A. Bowkers, M, Escudero, A. et al. 2013. Decoupling of soil C, N and P cycles with increasing aridity in drylands worldwide. **Nature** 502: 672-676.

Maestre F.T., Quero J.L., Gotelli N.J., Escudero A.n., Ochoa V., Delgado-Baquerizo M., García-Gómez M., Bowker M.A., Soliveres S., Escolar C., García-Palacios P., Berdugo M., Valencia E., Gozalo B., Gallardo A., Aguilera L., Arredondo T., Blones J., Boeken B., Bran D., Conceisao A.A., Cabrera O., Chaieb M., Derak M., Eldridge D.J., Espinosa C.I., Florentino A., Gaitán J., Gatica M.G., Ghiloufi W., Gómez-González S., Gutiérrez J.R., Hernández R.M., Huang X., Huber-Sannwald E., Jankju M., Miriti M., Moneris J., Mau R.L., Morici E., Naseri K., Ospina A., Polo V., Prina A., Pucheta E., Ramírez-Collantes D.A., Romao R., Tighe M., Torres-Díaz C., Val J., Veiga J.P., Wang D. & Zaady E. 2012. Plant Species Richness and Ecosystem Multifunctionality in Global Drylands. **Science**, 335, 214-218.

Lloret, F., Escudero, A., Iriondo, J.M., Martínez-Vilalta, J. & Valladares, F. 2012. Extreme climatic events and vegetation: the role of stabilizing processes. **Global Change Biology** 18: 797–805.

Matesanz, S., Gimeno, T., de la Cruz, M., Escudero, A. & Valladares, F. 2011. Coexistence with a congener influences the fine-scale spatial genetic structure of a semiarid plant. **Journal of Ecology** 99: 838-848.

Giménez-Benavides, L., Albert, M.J., Iriondo, J.M. & Escudero, A. 2011. Demographic processes of upward range contraction in a long-lived Mediterranean high mountain plant. **Ecography** 34: 85\_93

Maestre, F., Bowker, M., Hinojosa, M., Martínez, I., García-Palacios, P., Castillo, A., Soliveres, S., Luzuriaga, A., Sánchez, A. & Escudero, A. 2009. Shrub encroachment can reverse desertification in semi-arid Mediterranean grassland. **Ecology Letters** 12: 930-941

Milla, R, Escudero, A. & Iriondo, J.M. 2009 Growing with siblings: a common ground for cooperation or fiercer competition among plants? **Proceedings of the Royal Society B** 276:2531-2540

Maestre, F.T & Escudero, A. 2009 Is the patch-size distribution of vegetation a suitable indicator of desertification processes?" **Ecology** 90: 1729-1735.

## C.2. Research Projects and Grants

The last competitive projects led by Dr. Escudero

CDTI y OHL. **"Conexión de flujos ecológicos mediante infraestructuras lineales de transporte terrestre"** ECONECT. Fecha Abril 2012. 36 meses. Importe: 172.222.22 euros

Ministerio de Economía y Competitividad. Plan Nacional I+D+I. **MOUNTAINS CGL2012-38427 Título: Reglas ecológicas de ensamblaje en comunidades de plantas de alta montaña una aproximación espacial multiescalar.** Fecha: 2013-2015. Importe: 120.000 euros.

Investigador Principal del proyecto financiado por la Comunidad de Madrid denominado **REMEDINAL-3CM** "Programa de I+D para la conservación y restauración de los ecosistemas madrileños" (S2013/MAE-2719).

Fecha: 2014-2017 Importe: **600.300** euros

Ministerio de Economía y Competitividad. Plan Nacional I+D+I. **ROOTS CGL2015-66809-P Título: Raíces: integrando las interacciones subterráneas para avanzar en una teoría unificadora de coexistencia de plantas.** Fecha: 2016-2018. Importe: 111.700 euros.

European Union. RISE Program. **Gypworld.** Fecha: 2018-2011. Importe del nodo URJC: 270.000 euros.

Ministerio de Ciencia, Innovación y Universidades. Plan Nacional de I+D+i **.Phenotypes.** Fecha: enero de 2019 a diciembre de 2021. Título: phenotype-based community ecology: a synthetic approach to unveil the functional role of each individual in the assembly of plant communities. Importe: 167.000 euros.

## C.3. Contracts

## C.4. Patents and other IPR

**C.5, C.6, C.7... Other**

## Instructions

### Important Announcement

Following the Call for Proposals, **ONLY CVS SUBMITTED IN THIS FORMAT WILL BE TAKEN INTO CONSIDERATION. CVs presented in other formats WILL BE DISMISSED with no possibilities for modifications.**

### **GENERAL CONSIDERATIONS**

Following the call it is mandatory to use the following format when filling the document: Font Times New Roman / Arial (minimum size 11), single interlineal space, lateral margins of 2.5 cm and top and bottom margins of 1.5 cm.

Max. length of the whole document (Part A, B and C) cannot exceed four pages.

### **PART A. PERSONAL INFORMATION**

**Researcher ID** is a unique identifier that consists of alphanumeric characters that enable researchers to manage their publication lists, track their times cited counts and h-index, identify potential collaborators and avoid author misidentification. It is hosted by Web of Science.

Access: Web of Science > My Tools > Researcher ID.

**Author ID** is a unique identifier that consists of alphanumeric characters that enable researchers to manage their publication lists, track their times cited counts and h-index, identify potential collaborators and avoid author misidentification. It is assigned automatically by SCOPUS. You can find an author identifier by running a search for that author. It will appear underneath the author details.

Access: SCOPUS > Author Feedback Wizard> Researcher name.

**Open Researcher and Contributor ID (ORCID)** provides a persistent digital identifier that distinguishes the researcher from every other person and, through integration in key research workflows such as manuscript and grant submission, supports automated linkages between you and your professional activities ensuring that your work is recognized.

Access: [www.orcid.org](http://www.orcid.org)

### **A.3. Indicators of Quality in Scientific Production**

Please add information on a) total number of citations, average number of citations during the last five years, b) total number of publications in the first quartile (Q1) and first decile (D1), c) h-index, d) thesis supervised, and e) any other indicators that you may consider relevant.

To calculate these values, use default data collected in the Web of Science or Scopus. When this is not possible, other indicators may be used, specifying the reference database.

### **PART B. FREE SUMMARY OF CV** *(Max. of 3.500 characters, including spaces)*

Describe briefly your scientific career, the main scientific-technical achievements, and the mid-to-long term scientific-technical interests and objectives of your research agenda. Indicate any other aspects that you may consider important to understand your career path.

### **PART C. ACCOMPLISHMENTS** *(Order by typology)*

Given the limitations in number of characters, please mention the most relevant achievements sorted by the typology that best suits your scientific profile. Please be clear and avoid ambiguities.

Use reverse chronological order within each section. Limit your merits over the past 5 years, except for those which have an extraordinary importance for your CV.

### **C.1. Publications**

Include a full review of relevant 5 to 10 publications.

In case of an article, please include authors in order of signature, year of publication, title of the article, name of the journal, volume, start page to end page.

If it's a book or chapter of a book, include its publisher and ISBN also.

If there are many authors, please indicate the total number of signatories and the position of the researcher (total number/ position of researcher) as for example 95/18.

### **C.2. Participation in Research, Development and Innovation Projects**

Indicate the most important projects in which you have participated (maximum 5 to 7 projects), including a) its reference, b) title, c) funding body and call for proposals, d) name of the principal investigator and his/her institution affiliation, e) date of start and end of the project, f) amount of subsidy, and g) your type of participation, e.g.: researcher, principal investigator, European project coordinator, etc..

### **C.3. Participation in Research, Development and Innovation Contracts**

Indicate the most important contracts in which you have participated (maximum 5 to 7 contracts), including a) title, b) company or entity, c) name of principal investigator and his/her institution affiliation, d) date of start and end of the contract, and e) amount of funding.

### **C.4. Patents**

Indicate the most important patents and other intellectual property in which you have collaborated. Give a) the order of signing authors, b) reference, c) title, d) priority countries, e) date, f) holder entity and companies that are exploiting the patents.

### **C.5, C.6, C.7... Other**

By sequential numbering (C.5, C.6, C.7 ...) please include any other achievements that you deem necessary, such as for example: direction of works, participation in assessment or advisory tasks, membership of international committees, management of scientific activity, editorial boards, scientific awards, etc.

## **FINAL CONSIDERATIONS**

Please remember that all the submitted achievements must be presented concisely, including dates or periods for each performance.

The short CV aims to facilitate, organize and streamline the evaluation process. The use of the individual researcher identifier facilitates access to the published scientific papers and information on the impact of each of them.

**Remember that only CVs submitted either in this format or in CVN abridged version will be taken into consideration.**