

Part A. Personal Information

DATE	13 th /06/2018
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Surname(s)	FLEXAS SANS	
Forename	JAIME	
Social Security, Passport, ID number	DNI 43075352D	
Sex	Male	
Age	44	
Researcher codes	WoS Researcher ID (*)	C-1898-2012
	SCOPUS Author ID(*)	7003836002
	Open Researcher and Contributor ID (ORCID)	orcid.org/0000-0002-3069-175X

(*) At least one of these is mandatory

A.1. Current position

Post/ Professional Category	Associate Professor	
UNESCO Code		
Key Words	photosynthesis; mesophyll conductance; ecophysiology; drought; water stress	
Name of the University/Institution	Department/Centre	Universitat de les Illes balears, Departament de Biologia
	Full Address	Carretera de Valldemossa Km 7.5; 07122 Palma de Mallorca; Illes Balears (SPAIN)
	Email Address	jaume.flexas@uib.es
	Phone Number	+34 600380331
	Start date	25/09/2008

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

Year	University	Degree	Title
1996	Universitat de les Illes Balears	First degree	Graduate in Sciences (Biology)
2000	Universitat de les Illes Balears	PhD	PhD Biology

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

(data from Web of Science)	
Sum of the Times Cited:	15998
Average Citations per Article:	89.88
h-index:	58

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

Dr. J. Flexas has conducted research on plant ecophysiology since 1994, and is associated professor at UIB since 2001. He was Associate Dean of the Faculty of Sciences and Head of the degree of Biology from 2007 to 2011. Dr. Flexas teaches regularly in the Degrees of Biology and Agricultural Engineering, as well as several subjects in PhD and Master Programs at the UIB, including a PhD program with Quality Mention of the Ministry in "The Biology of Plants in Mediterranean Conditions". He regularly participates in several PhD

programs with Quality Mention of other Spanish Universities (The Public University of Navarra, The University of Castilla la Mancha, The Menendez Pelayo University and The University of the Basque Country). Dr. Flexas organized as coordinator, and also participated as a teacher, many national postgraduate courses at the UIB, as well as international courses also at the UIB as well as at the University of Concepción (Chile) and Wageningen University (Netherlands). Since 2012 he is Assistant Coordinator of the area of Plant and Animal Biology and Ecology of the National Agency for Project Evaluation (ANEP), the state agency responsible for the evaluation of research projects. He has received several research honors and awards, including the Premio Sabater (Spanish Society of Plant Physiology) to the best young scientist in plant physiology, the Young Scientist FESPB Award to the best young scientist in plant physiology (Federation of European Societies of Plant Biology), and being included in 2014, 15, 16 and 17 Clarivate 'Highly Cited Authors' list. During his scientific career, Dr. Flexas has performed scientific visits and campaigns in several countries, particularly in Australia (Australian National University, Canberra), Chile (Universidad de Concepción and Universidad Austral of Chile) and France (LURE and Université de Paris-Sud). In addition, he has collaborated with more than 200 researchers from different countries, maintaining a very active collaborative network with many of them, including Joseph Berry (Stanford, USA), Barry Osmond (Australian National University), Hans Lambers (University of Western Australia), Ülo Niinemets (University of Tartu, Estonia), Francesco Loreto (CNR Firenze, Italy). He is/has been member of the Editorial Board of more than 10 scientific journals, currently being associate editor of *The Plant Journal* and *Physiologia Plantarum*. He has been reviewer for > 60 scientific journals including *Nature*, *PNAS*, etc., and for several international granting agencies. He has supervised 8 completed PhD theses and is currently supervising another 5. During his research career, Dr. Flexas has been project partner of more than 25 projects, including three EU projects, one European Science Foundation workshop project, and several partnership projects from the Spanish Ministry and international bilateral collaborative projects. He has been PI of 10 projects. Dr. Flexas authors in more than 150 publications in international peer-review scientific journals and books and more than 150 communications in conferences and workshops, collaborating with more than 250 co-authors from more than 30 countries. Overall, > 75% of his publications are in journals included in the first quartile of different categories.

Part C. Relevant accomplishments

C.1. Publications

Carriquí, M; Cabrera, HM; Conesa, MA; Coopman, RE; Douthe, C; Gago, J; Galmés, J; Ribas-Carbo, M; Tomás, M; **Flexas, J** (2014). Diffusional limitations explain the lower photosynthetic capacity of ferns as compared with angiosperms in a common garden study. *Plant, Cell & Environment*. doi: 10.1111/pce.12402

Galmés, J; Kapralov, MV; Andralojc, PJ; Conesa, MA; Keys, AJ; Parry, MAJ; **Flexas, J** (2014). Expanding knowledge of the Rubisco kinetics variability in plant species: environmental and evolutionary trends. *Plant Cell & Environment*, 37, 1989-2001. ISSN: 0140-7791.

Gago, J; Coopman, RE; Cabrera, HM; Hermida, C; Molins, A; Conesa, MA; Galmés, J; Ribas-Carbo, M; **Flexas, J** (2013). Photosynthesis limitations in three fern species. *Physiologia Plantarum*, 149, 599-611. ISSN: 0031-9317.

Tomas, M; **Flexas, J**; Copolovici, L; Galmés, J; Hallik, L; Medrano, H; Ribas-Carbó, M; Tosens, T; Vislav, V; Niinemets, Ü (2013). Importance of leaf anatomy in determining mesophyll diffusion conductance to CO₂ across species: quantitative limitations and scaling up by models. *Journal of Experimental Botany*, 64(8), 2269-2281. ISSN: 0022-0957

Peguero-Pina, JJ; **Flexas, J**; Galmés, J; Niinemets, U; Sancho-Knapik, D; Barredo, G; Villarroya, D; Gil-Pelegrín, E (2012). Leaf anatomical properties in relation to differences in mesophyll conductance to CO₂ and photosynthesis in two related Mediterranean Abies species. *Plant Cell and Environment*, 35(12), 2121-2129. ISSN: 0140-7791.

Galmés, J., Ribas-Carbó, M., Medrano, H., **Flexas, J.** (2011) Rubisco activity in Mediterranean species is regulated by chloroplastic CO₂ concentration under water stress. *Journal of Experimental Botany*, 62, 653-665.

Niinemets, Ü., **Flexas, J.**, Peñuelas, J. (2011) Evergreens favored by higher responsiveness to increased CO₂. *Trends in Ecology and Evolution*, 26, 136-142

Flexas J., Ribas-Carbo, M., Diaz-Espejo, A., Galmés, J., Medrano, H. (2008) Mesophyll conductance to CO₂: current knowledge and future prospects. *Plant, Cell and Environment* 31, 602-631.

Galmés, J., **Flexas, J.**, Keys, A.J., Cifre, J., Mitchell, R.A.C., Madgwick, P.J., Haslam, R.P., Medrano, H., Parry, M.A.J. (2005) Rubisco Specificity Factor tends to be Larger in Plant Species from Drier Habitats and in Species with Persistent Leaves. *Plant, Cell and Environment* 28, 571-579.

Wright I.J., Reich P.B., Westoby M., Ackerly D.D., Baruch Z., Bongers F., Cavender-Bares J., Chapin F.S., Cornelissen J.H.C., Diemer M., **Flexas J.**, Garnier E., Groom P.K., Gulías J., Hikosaka K., Lamont B.B., Lee T., Lee W., Lusk C., Midgley J.J., Navas M-L., Niinemets Ü., Oleksyn J., Osada N., Poorter H., Poot P., Prior L., Pyankov V.I., Roumet C., Thomas S.C., Tjoelker M.G., Veneklaas E., Villar R. (2004) The world-wide leaf economics spectrum. *Nature* 428, 821-827.

C.2. Research Projects and Grants

During his research career, Dr. Flexas has been project partner of more than 25 projects, including three EU projects, one European Science Foundation workshop project, and several partnership projects from the Spanish Ministry and international bilateral collaborative projects. He has been PI of 10 projects since 2002: one national subproject within EU FP7, one ESF workshop project, three international bilateral collaborative projects and four projects from the Spanish Ministry. Some of these projects include:

Rapid electrical signalling and photosynthetic changes in grapevine and soybean. AIHA - Acción Integrada Hispano-Alemana HD2008 0035. Duration: 2009-2010. Budget: 11,500€. PI: Jaume Flexas

Conductancia del mesófilo al CO₂: mecanismos y evolución. PNIF - Programa Nacional de Investigación Fundamental No Orientada. BFU2011 23294. Duration: 2012-2014. Budget: 217,800€. PI: Jaume Flexas

Development of improved perennial non-food biomass and bioproduct crops for water stressed environments (WATBIO). EU Contract number 311929 FP7-KBBE-2012-6. Duration: 2012-2016. Budget: 297,750€. PI: (coordinator in Spain) Jaume Flexas

Bases mecanicistas para el *trade-off* entre la fotosíntesis y la tolerancia al estrés: llenar las lagunas de la biología evolutiva y la biotecnología de plantas (TOPSTEP). Plan Nacional CTM2014-53902-C2-1-P. Budget: 278,300€. PI: Jaume Flexas

C.3. Contracts

None

C.4. Patents and other IPR

None

C.5, Organization of scientific meetings

Dr. Flexas has been member of the organizing committee in more than 10 conferences, workshops and lectures. In 2008 he was the president of the organization of the European Science Foundation Workshop 'Mesophyll conductance to CO₂: Mechanisms, modeling and ecological Implications' (EW07-44)

C.6, Membership of Editorial Boards

Advances in Plant Physiology (Scientific Publishers, Jodhpur): editorial board, 2001-
Vitis (BAZ, Germany): editorial board, 2002-2016
Functional Plant Biology (CSIRO Publishing): editorial board, 2003-2016
Plant and Soil (Springer): consulting editor, 2004-
Plant, Cell & Environment (Wiley-Blackwell): editorial board, 2006-
Journal of Plant Physiology (Elsevier): editorial board, 2007-
Plant Science (Elsevier): editorial board, 2010-2014
Physiologia Plantarum (Wiley-Blackwell): associate editor, 2011-
New Phytologist (Wiley-Blackwell): editorial board, 2012-
Photosynthetica (Academy of Sciences of the Czech Republic): editor, 2013-2017
Australian Journal of Grape and Wine research (Wiley-Blackwell): editor, 2014-2017
The Plant Journal (Wiley-Blackwell): associate editor, 2018-

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

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.