

FRANCISCA ALBA-SÁNCHEZ.

FAS is Professor of Botany and Paleodiversity at the University of Granada, Spain. Her research expertise is in palaeoecology, conservation biology, plant-environment relationships and ecological niche modeling. FAS has focused on glacial refugia and postglacial spread for Mediterranean relict plant/vertebrates species, including North Africa. Currently she is leader of an Excellence Research Project on Conservation and Palaeobiogeography of Mediterranean *Cedrus* and *Abies* species. In parallel, she is leading a new research line call "Estimating ecosystem functional changes from pollen records in Europe". Since 1992, she has been involved in numerous project at National or European level from which several papers have been derived. She is author or co-author of more than 100 scientific publications (50 peer-reviewed papers in international scientific journals, and 50 other publications including book chapters, science news). According to Google scholar citation, her research impact is more than 1600 citations and an h-index of 21. <https://orcid.org/0000-0003-0387-1533>.

PERSONAL INFORMATION

Family name, First name: Alba-Sánchez, Francisca

Nationality: Spanish

URL for web site: http://botanica.ugr.es/static/UserProfile/*/falba

EDUCATION

1997 PhD in Palynology, Department of Botany, University of Granada, Supervisor: C. Díaz de la Guardia.

1992 University Degree in Biology, University of Granada, Spain

CURRENT POSITION

2011 – Professor of Botany

Faculty of Sciences, University of Granada, Spain

PREVIOUS POSITIONS

2001-2011 Assistant Professor of Botany

Department of Botany, University of Granada, Spain

2001 Postdoctoral position

Department of Botany, University of Granada, Spain

1999 Postdoctoral position

Department of Geography, University of Montreal, Canada

1991 – 1998 Research assistant

Department of Botany, University of Granada, Spain

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2003- Supervision of three completed PhD theses at University of Granada and University of Almeria

2015- Supervision of two postdocs at University of Granada

2015- Five completed master theses and four completed bachelor theses at University of Granada

TEACHING ACTIVITIES

2015- Responsible and coordinator of the *Practicum programme* "Fieldwork for Master' students in Mediterranean ecosystems (Morocco, Iberian Peninsula, etc.)" at University of Granada.

2010- Teaching as Professor for Paleodiversity, *Practicum* "Fieldwork for Master' students" (Master's Degree) at University of Granada.

2008-2010 Teaching as Professor for Conservation Biology (Master's Degree) at University of San Francisco Xavier (Sucre, Bolivia).

1996- Teaching as Professor for General Botany, Basics in Biology, Basics in Environmental Sciences, Mycology, Cryptogamic Botany, Biodiversity and Conservation of Spermatophytes (University Degree) at University of Granada.

ORGANISATION OF SCIENTIFIC MEETINGS

- 2019 Organising/Scientific Committee for IX Biology Conservation Congress
- 2018 Scientific Committee for X Spanish Congress of Biogeography
- 2016 Organising/Scientific Committee for IX Spanish Congress of Biogeography
- 2011 – Member of organising committee for APLE (2004, 2007, 2009)
- 2004 Organising/Scientific committee for XI International Palynological Congress

COMMISSIONS OF TRUST

- 2000 – Referee for more than 20 scientific journals (*Agricultural and Forest Meteorology*, *International Journal of Biometeorology*, *Global Change Biology*, *Frontiers in Ecology and Evolution*, etc.)

MEMBERSHIPS IN SCIENTIFIC SOCIETIES

- 2015 – International Biogeography Society
- 2015- Spanish Association of Terrestrial Ecology
- 1995 – Spanish Association for palynologist

COLLABORATIVE RESEARCH PROJECTS

- 2013-2018 PI RELICFLORA: "Paleobiogeography and Conservation of *Abies pinsapo* and *Cedrus atlantica*: Two Western Mediterranean relict species (P11RNM-7033). Funded by Andalusia Government (Spain). PI: F. Alba-Sánchez.
- 2015-2020 EU Paléomex-transect Magreb (Paleo Mediterranean eXperiment): Étude des relations climat-sociétés-environnement au cours de l'Holocène en Méditerranée. PI JF Berger
- 2013-2018 SP Ecological Restoration Techniques for Gipsicolous Communities. Funded by Andalusia Government (Spain). PI: J. Lorite.
- 2014-2016 SP "Socio-Ecological Dynamics, Resilience and Vulnerability in a Mountain Landscape: The Central System (9000 cal. BC-1850 cal. AD)." Funded by Spanish Government. PI: J.A. López Sáez
- 2010-2011 SP Glacial Dynamics, Climate and Vegetation in the National Park of Ordesa - Monte Perdido during the Holocene. Funded by Spanish Government. PI: B L Valero Garcés
- 2013 PI Ecological Modelling and Paleobotany. Funded by University of Granada. PI: F. Alba-Sánchez
- 2012 PI Paleobiogeography and Conservation of the Andalusia and North Africa Relict Flora. PI: F. Alba-Sánchez
- 2009-2017 EU OUR WAY TO EUROPE: Culture-Environment Interaction and Human Mobility in the Late Quaternary (CRC 806). Funded by German Government. PI: Jürgen Richter.
- 2001-2002 EU System For Pollen Related Information Gathering (UE- C26811). PI: C. Galán

10 MAIN RECENT PUBLICATIONS

1. Abel-Schaad, D., Iriarte, E., López-Sáez, J.A., Pérez-Díaz, S., Sabariego Ruiz, S., Cheddadi, R., **Alba-Sánchez, F.** 2018. Are *Cedrus atlantica* forests in the Rif Mountains of Morocco heading towards local extinction? *The Holocene*. DOI: 10.1177/0959683617752842.
2. **Alba-Sánchez, F.**, López-Sáez, JA, Nieto-Lugilde, D., Svenning JC. 2015. Long-term climate forcings to assess vulnerability in North Africa dry argan woodlands. *Applied Vegetation Science* 18 (2), 283-296.
3. **Alba-Sánchez, F.**, López Saez, J.A., Benito De Pando, B.; Linares, JC, Nieto-Lugilde, D. & López-Merino, L. 2010. Past and present potential distribution of the Iberian *Abies* species: a phytogeographic approach using fossil pollen data and niche-based models. *Diversity and Distributions* 16: 214-228.
4. Cheddadi, R., Henrot, A., François, L., Boyer, F., Bush, M., Carré, M., Coissac, E., De Oliveira, P., Ficetola, F., Hambuckers, A., Huang, K., Lézine, A-M., Nourelbait, M., Rhoujjati, A., Taberlet, P., Sarmiento, F., Abel-Schaad, D., **Alba-Sánchez, F.** & Zheng, Z. 2017. Microrefugia, climate change, and conservation of *Cedrus atlantica* in the Rif Mountains, Morocco. *Frontiers in Ecology and Evolution*, 5, 114.

5. Cheddadi, R., Nourelbait, M., Bouaissa, O., Tabel, J., Rhoujjati, A., López-Sáez, J.A., **Alba-Sánchez, F.**, Khater, C., Ballouche, A., Dezileau, L. & Lamb. **2015**. History of human impact on Moroccan mountain landscapes. *African Archaeological Review*, 32, 2: 233-248.
6. Garrido-García J.A., Nieto-Lugilde D., **Alba-Sánchez F.** & Soriguer R.C. **2018**. Agricultural intensification during the Late Holocene rather than climatic aridification drives the population dynamics and the current conservation status of *Microtus cabreræ*, an endangered Mediterranean rodent. *Journal of Biogeography*. DOI: 10.1111/jbi.13134
7. López-Sáez, J. A., Vargas, G., Ruiz-Fernández, J., Blarquez, O., **Alba-Sánchez, F.**, Oliva, M., & Abel-Schaad, D. **2017**. Paleofire Dynamics in Central Spain during the Late Holocene: the Role of Climatic and Anthropogenic Forcing. *Land Degradation & Development*. DOI: 10.1002/ldr.2751
8. López-Merino, L., López-Sáez, J. A., **Alba-Sánchez, F.**, Pérez-Díaz, S., & Carrión, J. S. **2009**. 2000 years of pastoralism and fire shaping high-altitude vegetation of Sierra de Gredos in central Spain. *Review of Palaeobotany and Palynology*, 158(1-2), 42-51.
9. González-Ramón, A., Andreo, B., Ruiz-Bustos, A., Richards, D. A., López-Sáez, J. A., & **Alba-Sánchez, F.** (2012). Late Quaternary paleoenvironmental record from a sedimentary fill in Cucú cave, Almería, SE Spain. *Quaternary Research*, 77(2), 264-272
10. López-Sáez, J. A., Abel-Schaad, D., Pérez-Díaz, S., Blanco-González, A., **Alba-Sánchez, F.**, Dorado, M., & Franco-Múgica, F. (2014). Vegetation history, climate and human impact in the Spanish Central System over the last 9000 years. *Quaternary International*, 353, 98-122.

INVITED PRESENTATIONS AT CONFERENCES AND COLLOQUIA

2015. Beyond the materiality: the invisible register. University of Granada

2010 Ecological Models in Biodiversity Studies Museo de Historia Natural de Barcelona.

2010. *Abies pinsapo*: A paleoecological perspective. Olavide en Carmona. University of Jaén- University Pablo de Olavide.

2008 Dynamic of Grass Allergen (Lol p 1) in relation to particles PM10 and PM2.5 Universitat Autònoma de Barcelona.

1996- 46 contributed talks at national and international workshops and conferences.