

CV ABREVIADO



Nacida en Lausana (Suiza), en 1962

Situación profesional actual: Catedrática en el Departamento de Geodinámica de la Universidad de Granada (España)

Formación académica

Doctorado en la Universidad de Sevilla (1985-1989)

Tesis de Licenciatura en la Universidad de Lausana en 1984 (Premio Fin de Carrera)

Licencia en Geología en la Universidad de Lausana (1979-1983)

Puestos docentes

Catedrática (2009-Actual) y Profesora Titular (1989- 2009) en el Departamento de Geodinámica de la Universidad de Granada

Profesora Ayudante Doctor en la Sección de Ciencias de la Tierra de la Universidad de Lausana (1989-1991)

Profesora Ayudante, Encargada de curso y Asociada, sucesivamente, en la Sección de Geología de la Universidad de Sevilla (1984-1989)

Ayudante estudiante en la Sección de Ciencias de la Tierra de la Universidad de Lausana (1983-1984)

Actividades de carácter docente

Más de una treintena de cursos académicos con docencia a tiempo completo en el Primer, Segundo y Tercer Ciclo de las Enseñanzas regladas de tres universidades distintas.

Investigadora Principal de varios proyectos de Innovación docente (uno de ellos premiado con el Primer Premio a la Innovación Docente, otorgado por la Universidad de Granada en 2004)

Selección de artículos publicados en revistas del SCI representativos de mi trayectoria investigadora

1. **CRESPO-BLANC, A.** (1992) Structure and kinematics of a sinistral transpressive suture between the Ossa-Morena and the South Portuguese Zones, South Iberian Massif. *Journal of the Geological Society of London*, 149: 401-411.
2. **SPRING, L. & CRESPO-BLANC, A.** (1992) Nappe tectonics, extension and metamorphic evolution in the Indian Tethys Himalaya (Higher Himalaya, SE Zaskar and NW Lahul). *Tectonics*, 11/5: 978-989.
3. **CRESPO-BLANC, A., MASSON, H., SHARP, Z., COSCA, M. & HUNZIKER, J.** (1995) A stable and $^{40}\text{Ar}/^{39}\text{Ar}$ isotope study of a major thrust in the Helvetic nappes (Swiss Alps): evidence for fluid flow and constraints on nappe kinematics. *Geological Society of America Bulletin*, 107/10: 1129-1144.
4. **CRESPO-BLANC, A.** (1995) Interference pattern of extensional fault systems: a case study of the Miocene rifting of the Alboran basement (North of Sierra Nevada, Betic chain). *Journal of Structural Geology*, 17, 1559-1569.

5. AZAÑÓN, J.M. & **CRESPO-BLANC, A.** (2000) Exhumation during a continental collision inferred from the tectonometamorphic evolution of the Alpujarride Complex in the central Betics (Alboran Domain, SE Spain). *Tectonics*, 19/3: 549-565.
6. **CRESPO-BLANC, A.** & CAMPOS, J. (2001) Structure and kinematics of the South Iberian paleomargin and its relationship with the Flysch Trough units: Extensional reactivation within the Gibraltar Arc fold-and-thrust belt (western Betics). *Journal of Structural Geology*, 23/10: 1615-1630.
7. FRIZON DE LAMOTTE, D., **CRESPO-BLANC, A.**, SAINT-BÉZAR, B., COMAS, M., FERNÁNDEZ, M., ZEYEN, H., AYARZA, P., ROBERT-CHARRUE, C., CHALOUAN, A., ZIZI, M., TEIXELL, A., ARBOLEYA, M.-L., ALVAREZ-LOBATO, F., JULIVERT M. & MICHAUD A. (2004). TRANSMED-transect I (Betics, Alboran Sea, Rif, Moroccan Meseta, High Atlas, Sahara platform): a description of the section and data sources The TRANSMED Atlas: The Mediterranean Region from Crust to Mantle. Eds: Cavazza, W., Roure, F.M., Spakman, W., Stampfli, G.M., Ziegler, P.A. ISBN: 3-540-22181-6, Springer Verlag. CD-Rom.
8. **CRESPO-BLANC A.** (2007) Superposed folding and oblique structures in the paleomargin-derived units of the Central Betics (SW Spain). *Journal of the Geological Society of London*, 164, 621-636
9. BALANYÁ J.C., **CRESPO-BLANC A.**, DÍAZ AZPIROZ M., EXPÓSITO I., & LUJÁN M. (2007) Structural trend line pattern and strain partitioning around the Gibraltar Arc accretionary wedge: insights as to the mode of orogenic arc building. *Tectonics*, 26, TC2005. doi:10.1029/2005TC001932
10. **CRESPO-BLANC A.** (2008) Recess drawn by the internal zone outer boundary and oblique structures in the paleomargin-derived units (Subbetic Domain, Central Betics): An analogue modelling approach. *Journal of Structural Geology*, 30, 65-80.
11. LUJÁN, M., **CRESPO-BLANC, A.**, COMAS, M. (2011) Morphology and structure of the Camarinal Sill from high-resolution bathymetry: evidence of fault zones in the Gibraltar Strait. *Geo-Marine Letters*, 31, 163-174
12. **CRESPO-BLANC A.** BALANYÁ J.C. EXPÓSITO I, LUJÁN, M., SUADES, E. (2012). Crescent-like large-scale structures in the external zones of the western Gibraltar Arc (Betic-Rif orogenic wedge). *Journal of the Geological Society of London*, 168 (6), 667-679.
13. TOBIN, H., HIROSE, T., SAFFER, D., TOCZKO, S., MAEDA, L., KUBO, Y., BOSTON, B., BRODERICK, A., BROWN, K., **CRESPO-BLANC, A.**, EVEN, E., FUCHIDA, S., FUKUCHI, R., HAMMERSCHMIDT, S., HENRY, P., JOSH, M., JURADO, M.J., KITAJIMA, H., KITAMURA, M., MAIA, A., OTSUBO, M., SAMPLE, J., SCHLEICHER, A., SONE, H., SONG, C., VALDEZ, R., YAMAMOTO, Y., YANG, K., SANADA, Y., KIDO, Y., & HAMADA, Y. (2015) Expedition 348 Site C0002. Integrated Ocean Drilling Program Expedition 348. *Proceedings of the Integrated Ocean Drilling Program*, 348, 1- 250.
14. **CRESPO-BLANC A.**, COMAS, M., BALANYÁ J.C. (2016) Clues for a Tortonian reconstruction of the Gibraltar Arc: Structural pattern, deformation diachronism and block rotations. *Tectonophysics*, 683, 308-324.

Otras actividades investigadores

Creación y dirección de un Laboratorio de modelizaciones analógicas en el Departamento de Geodinámica de la Universidad de Granada (2001)
 Participación en varios proyectos de investigación, autonómicos, nacionales y europeos.
 Dirección de Becarios de iniciación a la investigación, de estudiantes de Becas Colaboración, de Tesis de Máster y de Tesis Doctorales.

Gestión

Investigadora Principal de varios Proyectos de investigación, financiados por diversos Ministerios del Gobierno central, así como de Consejerías de la Junta de Andalucía, de 1996 a la actualidad.
 Presidenta de la Sociedad Geológica de España (2008-2012).

Actividades de divulgación

Colaboradora científica habitual del Parque de las Ciencias de Granada desde 2007.

Ciencia en Acción (concurso internacional de divulgación). Primer Premio en 2006;
Medalla de Honor en 2014.

Comisaria científica de la Exposición itinerante del Año Internacional del Planeta Tierra
(2008-2009)

Investigadora Principal de varios proyectos de Fomento de la Cultura Científica.

Otros méritos

Perfecto conocimiento de francés (idioma materno), muy bueno de inglés, correcto de alemán e italiano.

ABBREVIATED CV



Born in Lausanne (Switzerland), in 1962

Actual position: Full Professor at the Department of Geodynamics of the University of Granada (Spain)

Academic education

Ph.D Thesis at the University of Sevilla (1985-1989)

Master Thesis at the University of Lausanne in 1984 (Career award)

Degree in Geology at the University of Lausanne (1979-1983)

Academic positions

Full Professor at the Geodynamics Department of the University of Granada (1989-present)

Associated Professor (Doctor) at the Earth Sciences Department of the University of Lausanne (1989-1991)

Associated Professor at the Earth Sciences Department of the University of Sevilla (1984-1989)

Student Assistant Professor at the Earth Sciences Department of the University of Lausanne (1983-1984)

Teaching activities

More than thirty academic courses with full time teaching at Undergraduate, Master and PhD. Degree levels of three different universities.

Principal Investigator of various teaching innovation project (one of them awarded with the First Prize of the Teaching innovation at Granada University in 2004)

Selection of papers published in SCI journals representative of my research career

1. **CRESPO-BLANC, A.** (1992) Structure and kinematics of a sinistral transpressive suture between the Ossa-Morena and the South Portuguese Zones, South Iberian Massif. *Journal of the Geological Society of London*, 149: 401-411.
2. **SPRING, L. & CRESPO-BLANC, A.** (1992) Nappe tectonics, extension and metamorphic evolution in the Indian Tethys Himalaya (Higher Himalaya, SE Zaskar and NW Lahul). *Tectonics*, 11/5: 978-989.
3. **CRESPO-BLANC, A., MASSON, H., SHARP, Z., COSCA, M. & HUNZIKER, J.** (1995) A stable and $^{40}\text{Ar}/^{39}\text{Ar}$ isotope study of a major thrust in the Helvetic nappes (Swiss Alps): evidence for fluid flow and constraints on nappe kinematics. *Geological Society of America Bulletin*, 107/10: 1129-1144.
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5. AZAÑÓN, J.M. & **CRESPO-BLANC, A.** (2000) Exhumation during a continental collision inferred from the tectonometamorphic evolution of the Alpujarride Complex in the central Betics (Alboran Domain, SE Spain). *Tectonics*, 19/3: 549-565.
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7. FRIZON DE LAMOTTE, D., **CRESPO-BLANC, A.**, SAINT-BÉZAR, B., COMAS, M., FERNÁNDEZ, M., ZEYEN, H., AYARZA, P., ROBERT-CHARRUE, C., CHALOUAN, A., ZIZI, M., TEIXELL, A., ARBOLEYA, M.-L., ALVAREZ-LOBATO, F., JULIVERT M. & MICHAUD A. (2004). TRANSMED-transect I (Betics, Alboran Sea, Rif, Moroccan Meseta, High Atlas, Sahara platform): a description of the section and data sources The TRANSMED Atlas: The Mediterranean Region from Crust to Mantle. Eds: Cavazza, W., Roure, F.M., Spakman, W., Stampfli, G.M., Ziegler, P.A. ISBN: 3-540-22181-6, Springer Verlag. CD-Rom.
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9. BALANYÁ J.C., **CRESPO-BLANC A.**, DÍAZ AZPIROZ M., EXPÓSITO I., & LUJÁN M. (2007) Structural trend line pattern and strain partitioning around the Gibraltar Arc accretionary wedge: insights as to the mode of orogenic arc building. *Tectonics*, 26, TC2005. doi:10.1029/2005TC001932
10. **CRESPO-BLANC A.** (2008) Recess drawn by the internal zone outer boundary and oblique structures in the paleomargin-derived units (Subbetic Domain, Central Betics): An analogue modelling approach. *Journal of Structural Geology*, 30, 65-80.
11. LUJÁN, M., **CRESPO-BLANC, A.**, COMAS, M. (2011) Morphology and structure of the Camarinal Sill from high-resolution bathymetry: evidence of fault zones in the Gibraltar Strait. *Geo-Marine Letters*, 31, 163-174
12. **CRESPO-BLANC A.** BALANYÁ J.C. EXPÓSITO I, LUJÁN, M., SUADES, E. (2012). Crescent-like large-scale structures in the external zones of the western Gibraltar Arc (Betic-Rif orogenic wedge). *Journal of the Geological Society of London*, 168 (6), 667-679.
13. TOBIN, H., HIROSE, T., SAFFER, D., TOCZKO, S., MAEDA, L., KUBO, Y., BOSTON, B., BRODERICK, A., BROWN, K., **CRESPO-BLANC, A.**, EVEN, E., FUCHIDA, S., FUKUCHI, R., HAMMERSCHMIDT, S., HENRY, P., JOSH, M., JURADO, M.J., KITAJIMA, H., KITAMURA, M., MAIA, A., OTSUBO, M., SAMPLE, J., SCHLEICHER, A., SONE, H., SONG, C., VALDEZ, R., YAMAMOTO, Y., YANG, K., SANADA, Y., KIDO, Y., & HAMADA, Y. (2015) Expedition 348 Site C0002. Integrated Ocean Drilling Program Expedition 348. *Proceedings of the Integrated Ocean Drilling Program*, 348, 1- 250.
14. **CRESPO-BLANC A.**, COMAS, M., BALANYÁ J.C. (2016) Clues for a Tortonian reconstruction of the Gibraltar Arc: Structural pattern, deformation diachronism and block rotations. *Tectonophysics*, 683, 308-324.

Other research activities

Creation and direction of an analogue modelling laboratory in the Geodynamics

Department of the University of Granada (2001)

Participation in various Research projects, granted by Regional, National or European funds.

Direction of various PhD, Master and Dissertation Degree.

Management

Principal Investigator of various Research projects granted by the corresponding Central Government Ministry, and/or by the Andalucian Regional Government, from 1996 to present.

President of the Geological Spanish Society (2008-2012).

Outreach activities

Regular scientific collaborator at the Science Museum of Granada from 2007 to Present.

Science in Action (international competition of science outreach). First Prize in 2006;
Honor Medal in 2013.

Scientific Curator of the Itinerant exhibition of the International Year of Planet Earth
2008-2009)

Principal Investigator of various projects of scientific outreach (*Geología* 2011,
Geología 2012)

Others

Perfect knowledge of French (mother language), very good of English, correct of
German and Italian.