

Date of the CVA	10/2020
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Section A. PERSONAL DATA

Name and Surname	Jesús Galindo Zaldívar		
Researcher's identification number	Researcher ID	K-3640-2012	
	Scopus Author ID	7004513427	
	Código Orcid	0000-0002-3493-2637	

A.1. Current professional situation

Institution	University of Granada		
Dpt. / Centre	Instituto Andaluz de Ciencias de la Tierra / Dpt. Geodinamica		
Address	Campus Fuentenueva s/n		
Phone	958243349	email	jgalindo@ugr.es
Professional category	University Professor	Start date	09/02/2007
UNESCO spec. code	2506; 2507		
Keywords	Structural geology, Geophysics, Tectonics, Geodynamics		

A.2. Academic education (Degrees, institutions, dates)

Bachelor/Master/PhD	University	Year
Graduate in Geology	University of Granada	1985
Doctoral school of Earth Science	University of Granada	1990

A.3. General quality indicators of scientific production

Número de sexenios de investigación 5
 Fecha último sexenio concedido 2015
 Nº de tesis doctorales dirigidas 11
 Índice H (indicar fuente si no es Web of Science) 34
 Publicaciones en primer cuartil (Q1) (Web of Science) 79
 Nº total de publicaciones 285
 Nº total de publicaciones indexadas 201
 Nº de citas totales 3853
 Promedio de citas por año 124

Section B. SUMMARY OF THE CURRICULUM

Graduated in Geology in 1985 by the University of Granada and PhD degree at the same University with the thesis 'Geometría y cinemática de las deformaciones neógenas en Sierra Nevada (Cordilleras Béticas) [Geometry and kinematics of the Neogene deformation in Sierra Nevada (Betic Cordilleras)] in 1990. This thesis was recognized by the doctorate extraordinary award granted by the University of Granada. FPU Spanish grant from 1986, he has held different teaching positions at the University of Granada from 1988 addressing geophysical prospection, geological mapping and structural geology. Profesor Titular de Universidad (Associate Professor) in 1993 and Catedrático de Universidad (Professor) from 2007 in Internal Geodynamics.

At the beginning of his scientific career development, he was focused on the characteristics and behaviour of ductile and brittle deformation of the low-angle normal faults and the use of techniques for the determination of paleostress from the orientation of faults sets. He has dedicated his scientific career on the analysis of recent and active tectonic deformations through the integration of geological, geophysical and geodetic data. He manages different geophysical methods that involve gravity, magnetic, geoelectrical (ERT, SEV), magnetotelluric (long-period, broadband and audiomagnetotelluric), seismic reflection, with the combination of other techniques applied offshore and onshore. Most researches were developed at the Betic-Rif Cordillera and Scotia Arc (Antarctica). In addition, he has developed researches in Argentina, Ecuador, Italy, Bulgaria and Eastern Mediterranean. The recent studies are focused on the integration of marine and field researches and the quantification of the structure and movement of faults and active folds through the integration of data from the subsoil, shallow geology and geodetic networks (GPS, high-precision

levelling and INSAR) that allow elucidate the development of structures in regions with moderate tectonic activity.

He has participated in 47 research projects heading 18 of them. He is the author of more than 240 articles (181 SCI articles, 74 in Q1) with almost 3000 citations. With h-index 31 and a mean of 312 citations/year at the last 5 years. Moreover, he contributed on the redaction of 34 book chapters, 15 of them peer-reviewed. He has participated in 275 congresses communications (242 international).

He is co-authorship with researchers from the United Kingdom, Morocco, Italy, Russia, France, Bulgaria, Argentina, Mexico, Ecuador, Portugal among others, keeping active scientific relationship nowadays.

Supervisor or co-supervisor of 11 PhD thesis and 2 more in elaboration.

Vice-director of Andalusian Earth Science Institute (integrated centre from CSIC-University of Granada). Vocal (2012-2013) and chairman (2014) of the Nature Advisory Commission in the National Commission to Evaluate the Investigative Activity. In addition, he have become part of different evaluation committees: FECYT, MICINN, ANEP and ANECA. He has been part of the International Polar Year national commission.

He belongs to the SCAR (Scientific committee on Antarctic Research) National Committee from 2004 and he is Spanish member since them in the international meetings from SSG-Geosciences. From 2012 is Deputy Chief Officer and from 2016 Chief Officer of the international SCAR SSG-Geosciences group.

Section C. MOST RELEVANT MERITS (ordered by typology)

C.1. Publications (10 more relevant)

- Galindo-Zaldívar, J., Borque, M.J., Pedrera, A., Marín-Lechado, C., Gil, A.J., López-Garrido, A.C., 2013. Deformation behaviour of the low-rate active Balanegra Fault Zone from high-precision levelling (Betic Cordillera, SE Spain). *Journal of Geodynamics* 71, 43-51.
- Galindo-Zaldívar, J., Gil, A.J., Sanz de Galdeano, C., Lacy, M.C., García-Armenteros, J.A., Ruano, P., Ruiz, A.M., Martínez-Martos, M., Alfaro, P., 2015. Active shallow extension in central and eastern Betic Cordillera from CGPS data. *Tectonophysics* 663, 290-301.
- Galindo-Zaldívar, J., Puga, E., Bohoyo, F., González, F.J., Maldonado, A., Martos, Y.M., Pérez, L.F., Ruano, P., Schreider, A.A., Somoza, L., Suriñach, E., Antonio, D.D.F., 2014. Magmatism, structure and age of Dove Basin (Antarctica): A key to understanding South Scotia Arc development. *Global and Planetary Change* 122, 50-69.
- Galindo-Zaldívar, J., Ercilla, G., Estrada, F., Catalán, M., d'Acremont, E., Azzouz, O., ... & Sanz de Galdeano, C. 2018. Imaging the growth of recent faults: the case of 2016–2017 seismic sequence sea bottom deformation in the Alboran Sea (Western Mediterranean). *Tectonics*, 37(8), 2513-2530.
- González-Castillo, L., Galindo-Zaldívar, J., Pedrera, A., Martínez-Moreno, F.J., Ruano, P., 2015. Shallow frontal deformation related to active continental subduction: Structure and recent stresses in the westernmost Betic Cordillera. *Terra Nova* 27, 114-121.
- Martínez-Martos, M., Galindo-Zaldívar, J., Martínez-Moreno, F.J., Calvo-Rayó, R., Sanz de Galdeano, C., 2017. Superposition of tectonic structures leading elongated intramontane basin: the Alhabia basin (Internal Zones, Betic Cordillera). *International Journal of Earth Sciences* 106, 2461-2471.
- Martínez-Moreno, F.J., Galindo-Zaldívar, J., Pedrera, A., Teixido, T., Ruano, P., Peña, J.A., González-Castillo, L., Ruiz-Constán, A., López-Chicano, M., Martín-Rosales, W., 2014. Integrated geophysical methods for studying the karst system of Gruta de las Maravillas (Aracena, Southwest Spain). *Journal of Applied Geophysics* 107, 149-162.
- Martínez-Moreno, F.J., Pedrera, A., Galindo-Zaldívar, J., López-Chicano, M., Azor, A., Martín-Rosales, W., Ruano, P., Calaforra, J.M., Hódar-Pérez, A., 2016. The Gruta de las Maravillas (Aracena, South-West Iberia): Setting and origin of a cave in marbles from dissolution of pyrite. *Geomorphology* 253, 239-250.
- Pedrera, A., Galindo-Zaldívar, J., Acosta-Vigil, A., Azor, A., González-Menéndez, L., Rodríguez-Fernández, L.R., Ruiz-Constán, A., 2016. Serpentinization-driven extension in the Ronda mantle slab (Betic Cordillera, S. Spain). *Gondwana Research* 37, 205-215.
- Pedrera, A., Ruiz-Constán, A., Marín-Lechado, C., Galindo-Zaldívar, J., González, A., Peláez, J.A., 2013. Seismic transpressive basement faults and monocline development in a foreland basin (Eastern Guadalquivir, SE Spain). *Tectonics* 32, 1571-1586.

C.2. Participation in R&D and Innovation projects (5 main projects in last 10 years).

Project title: **Estudios integrados de topografía y evolución 4D. 'Topo-Iberia' Programa Consolider – Ingenio 2010**

Founded entity: **MEC**

Participating entities: **CSIC, Univ. Granada y diez más.**

Duration, from: **2006** to: **2013**

Principal Investigator: **Dr. José Gallart Muset / Dr. Francisco González Lodeiro/ Dr. Antonio Azor**

Project title: **Estructuras tectónicas activas en la Cordillera Bético-Rifeña: contraste del comportamiento de Zonas Internas y Externas y su incidencia en la peligrosidad geológica (RNM-5388).**

Founded entity: **Junta de Andalucía.**

Participating entities: **Universidad de Granada, U. Jaén, CSIC, IGME, U. Mohamed V (Rabat), U. Tetuan, U. Oujda**

Duration, from: **2011** to: **2016**

Principal Investigator: **Jesús Galindo Zaldívar.**

Project title: **Conexion Pacifico-Atlantico: correlacion tectonica tierra-mar y margenes continentales CTM2011-30241-C02-02**

Founded entity: **MICINN**

Participating entities: **IGME, UGR**

Duration, from: **2012** to: **2014**

Principal Investigator: **Dr. Fernando Bohoyo Muñoz**

Project title: **Deformación activa y reciente a través del sector central de las Cordilleras Bético-rifeñas y mar de Alboran: Factores de riesgo geológico CGL2016-80687-R**

Founded entity: **Ministerio de Economía y competitividad**

Participating entities: **Universidad de Granada y otras instituciones.**

Duration, from: **2016** to: **2019**

Principal Investigator: **Jesús Galindo Zaldívar.**

Project title: **Contraste de la actividad geológica y riesgos asociados entre el sector este y oeste del mar de Alborán y cordilleras adyacentes (AGORA) P18-RT-3275**

Founded entity: **Junta de Andalucía**

Participating entities: **Universidad de Granada y otras instituciones.**

Duration, from: **2020** to: **2022**

Principal Investigator: **Jesús Galindo Zaldívar.**

C.3. Participation in R&D and Innovation contracts

Contract/project title: **Aplicación de técnicas geofísicas para el estudio de la geometría de los acuíferos pliocenos de Marbella (Málaga) - TemGEOMAR**

Type of contract: **Contrato de Investigación.**

Founded company: **Fundación Centro Andaluz de Investigaciones del Agua.**

Participating entities: **Universidad de Granada.**

Duration, from: **January 2017** to: **June 2017**

Principal Investigator: **Jesús Galindo Zaldívar**

Number of investigators: **4**

Contract/project title: **Estudio de microgravimetría en el entorno de la Cueva de Nerja (Málaga)**

Type of contract: **Contrato de Investigación.**

Founded company: **Fundación Pública de Servicios Cueva de Nerja**

Participating entities: **Universidad de Granada.**

Duration, from: **November 2016** to: **December 2017. Extended up to 2018.**

Principal Investigator: **Jesús Galindo Zaldívar**

Number of investigators: **5**

C.4. Oriented Ph.D. Thesis

11 oriented Ph.D. Thesis (**P. Ruano, F. Bohoyo, C. Marín, A. Pedrera, A. Ruiz-Constán, F. Anahnah, E. Galadí, F.J. Martínez-Moreno, L. González-Castillo, M. Martínez-Martos, J. Tamay**), outstanding maxima Cum Laude.

2 oriented Ph.D. Thesis in course: **V. Tendero and M. Pedrosa**

C.5. Others achievements

- Vice-director of Andalusian Earth Sciences Institute (CSIC-Univ. Granada), from May 2013.
- Vocal of the National Evaluation Commission of the Research activity (Spain), 2012-13
- Chairman of the National Evaluation Commission of the Research activity (Spain), 2014.
- Geoscience Spanish member of the SCAR national and international committees (Antartica researches), from 2004.
- Deputy Chief Officer of SSG- Geosciencies, SCAR 2013-16.
- Chief Officer of SSG- Geosciencies, SCAR from 2016.
- Commissions for the evaluation of scientific journals, FECYT 2014.
- 12 research missions in the Antarctica (Hespérides and field works)
- Other fieldworks developed in Argentina, Ecuador, Morocco, Spain, Portugal, Bulgaria, and marine geology at the Mediterranean and Scotia Arc.