Part A. Personal Information

DATE	3/12/2019

Surname(s)	ALGUACIL DE LA BLANCA	
Forename	GERARDO	
Researcher codes	WoS Researcher ID *(*)*	
	SCOPUS Author ID*(*)*	6603865592
	Open Researcher and Contributor ID (ORCID)	0000-0002-0055-7365

(*) At least one of these is mandatory

A.1. Current position

Post/ Professional Category	Profesor Titular de Universidad	
UNESCO Code	2507. 2507.05. 2506.21	
Key Words	Earthquake Seismology, Seismic Instruments, seismic signals	
Name of the University/Institution	UNIVERSIDAD DE GRANADA	
	Department/Centre	Instituto Andaluz De Geofísica
	Full Address	Prof. Clavera, 13
	Email Address	alguacil@ugr.es
	Phone Number	+34 958 240901
Start date		

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

Year	*University*	*Degree*	*Title*
1980	*Granada*	*First degree*	*Fundamental Physics*
		Masters (if appropriate)	
1986	*Granada*	*PhD*	*Physics*

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

Total citations: 1864 (Google scholar); 1131 (Scopus)
H index: 22 (Google scholar); 18 (Scopus)
PhD Thesis supervised (last 10 years) 2. Master thesis: 17.

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

I have worked in the instrumental development of seismic stations, initially with the design of the first telemetric stations of the Seismic Network of Andalusia. I have contributed to the design of seismic arrays, autonomous seismic stations, etc. and its calibration techniques. I have applied the process of seismic signals to studies of seismic attenuation, recognition, detection and timing of seismic phases, spectral estimation, of the dominant period of the soil, etc. In recent years, I have directed these studies to the local effects and strong ground motion with several articles and communications to international congresses in the field of engineering seismology, as well as the supervision of a doctoral thesis and several master's theses on these issues.

Part C. Relevant accomplishments

C.1. Publications

- *García, L , G Alguacil, M Titos , O Cocina, A De la Torre, and C Benítez (2019):* Automatic S-Phase Picking for Volcano-Tectonic Earthquakes Using Spectral Dissimilarity Analysis*. IEEE Geoscience and Remote Sensing Letters. DOI: 10.1109/LGRS.2019.2934220*
- *Havskov, J. y Alguacil, G.(2016).* **Instrumentation in Earthquake Seismology**. Second edition. Springer Publishing International, 413pp. 2016. DOI 10.1007/978-3-319-21314-9.
-Ibáñez, J.M., Díaz-Moreno, A., Prudencio, J., Zandomeneghi, D., Wilcock, W., Barclay, A., Almendros, J., Benítez, C., García-Yeguas, C. and Alguacil, G., (2017). Database of multi-parametric geophysical data from the TOMO-DEC experiment on Deception Island, Antarctica. Nature Sci. Data 4:170128, doi: 10.1038/sdata.2017.128.
-G. Alguacil y J. Havskov (2014). Recording seismic signals *in* ***Encyclopedia of Earthquake Engineering*** *(Editor M Beer)* Springer-Verlag Berlin Heidelberg. 16 pp. DOI 10.1007/978-3-642-36197-5_182-1
-Alguacil G y Havskov J (2014). Seismic Accelerometers. ***Encyclopedia of Earthquake Engineering*** *(Editor M Beer)* Springer-Verlag Berlin Heidelberg, 2014*.* 18 pp. DOI 10.1007/978-3-642-36197-5_176-1
-Alguacil, G., Vidal, F., Navarro, M., García-Jerez, A., Pérez-Muelas, J. (2013). Characterization of earthquake shaking severity in the town of Lorca during the May 11, 2011 event. *Bull. Earthquake Eng.* DOI: 10.1007/s10518-013-9475-y.
-Carmona, E., Almendros, J., Martín, R., Cortés, G., Alguacil, G., Moreno, J., Martín, J.B., Martos, A., Serrano, I., Stich, D. y Ibáñez, J. (2014). Advances in seismic monitoring at Deception Island volcano (Antarctica) since the International Polar Year. *Annals of Geophysics*, 57, 3, 2014, SS0321; doi:10.4401/ag-6378
-J. M. Ibáñez, S. De Angelis, A. Díaz Moreno, P. Hernández, G. Alguacil, A. Posadas & N. Pérez (2012): Insights into the 2011-2012 submarine eruption off the coast of El Hierro (Canary Islands, Spain) from statistical analyses of earthquake activity. *Geophys. J. Int*. 191, 659–670 doi: 10.1111/j.1365-246X.2012.05629.x
-J. M. Ibáñez, C. Benítez, L. A. Gutiérrez, G. Cortés, A. García-Yeguas, G. Alguacil. (2010). The classification of seismo-volcanic signals using Hidden Markov Models as applied to the Stromboli and Etna volcanoes. *Journal of Volcanology and Geothermal Research*, 187, 218-226.
- SCARPA, R.; MUSCENTE, R.; TRONCA, F.; FISHIONE, C.; ROTELLA, P.; ABRIL, M.; ALGUACIL, G.; DE CESARE, W. & MARTINI, M.(2004): UNDERSEIS: The Underground Effects: The Motril City Case (Southern Spain). *Pure and Applied Geophysics*, Vol. 161, 1549-1559
-A. PAZOS, G. ALGUACIL Y J. MARTÍN-DÁVILA (2005) A Simple Technique to Extend the Bandwidth of Electromagnetic Sensors. *Bull. Seism. Soc. Am.* 95, 1940-1946

C.2. Research Projects and Grants

- "Inversion rápida del tensor momento sísmico y estructura local y regional en la Peninsula Ibérica y regiones adyacentes mediante datos de banda-ancha". Financiado por Direccion General de Investigación. REN2002-04198-C02-01. IP: José Morales. Participation: Researcher.

- Actuación de urgencia ante la reactivación sísmica del Teide: estaciones sísmicas y magnéticas. Acción Complementaria CICYT. CGL2004-2001-E. 2004-2005. IP: Alicia García. Participation: Researcher.

- AYU-TOMODEC: Solicitud de dotación adicional al proyecto TOMODEC para la realización de una campaña antártica. Acción Especial CICYT. CGL2004-2002-E. 2004-2005. IP: Jesús Ibáñez. Participation: Researcher.

- Control y vigilancia de la actividad sismo-volcánica en la isla Decepción. Acción Especial CICYT. REN2002-12536-E. 2005-2006. IP: F. Javier Almendros. Participation: Researcher.

- VOLUME: Volcanoes: Understanding subsurface mass movement. Proyecto Unión Europea. 2005-2008. IP: Chris Bean. Participation: Researcher..

- CORSHET: Estructura cortical del área de las Shetland del Sur mediante el análisis de funciones receptoras en estaciones sísmicas permanentes de banda ancha (POL2006-08663). CICYT 2006-2009. IP: F. Javier Almendros. Participation: Researcher

- La fuente sísmica de terremotos de la Península Ibérica y Norte de África vista a distancia regional con sismogramas "históricos" y de banda ancha (CGL2005-04541). CICYT 2006-2008. IP: José Morales. Participation: Researcher.

"SIS-VOLTEDEC: Monitorización sismo-volcánica, estructura superficial y modelo cortical de la isla Decepción (Antártida)". Spanish Ministry. CGL2005-07589-C03-02/ANT. IP: Jesús Ibáñez. Participation: Researcher.

"Modelos Sismicos De Alta Resolucion De Volumenes Sismogeneticos De Volcanes Activos, Islas De Tenerife Y Decepcion, Y Su Impacto En La Valoracion Del Peligro Volcanico. HISS". Spanish Ministry CGL2008-01660. IP: Jesús Ibáñez. Participation: Researcher
Funding: 284.713 Euros

-Desarrollo de modelos de propagación de ondas sismicas en medios altamente heterogeneos y sus efectos: Aplicación a regiones volcánicas activas. Spanish Ministry CGL2011-29499-C02-01. IP: Jesús Ibáñez. Funding: 242.000 €. Participation: Researcher

1. Grant agreement n°308665
Title: EC-FP7 MEDiterranean SUpersite Volcanoes (MED-SUV).
IP: Jesús M. Ibáñez Godoy
Funding institution: European Union
Duration : 01/06/2013 – 31/05/2016
Funding: 458.000 €.
Participation: Researcher

2. EUROFLEETS2-SI-005_MED-SUV.ISES
Title: "MEDiterranean SUpersite Volcanoes. Integration of on-shore and off-shore passive and active Seismic Experiments in South Italy".
IP: Dr. Jesús M. Ibáñez Godoy & Dr. Giuseppe Puglisi.
Funding institution: European Union
Duration 15/06/2014 – 14/02/2015. Funding: 600.000 €
Participation: Researcher

"Extraccion del conocimiento del estado de volcanes activos y su aplicación en el modelado del pronóstico de erupciones mediante el análisis avanzado de la señal sísmica", KNOWAVES. TEC2015-68752-R.
Funding Institution: Spanish Ministry of Science, Innovation and Universities.
Participation: Researcher

C.3. Contracts

-Mantenimiento y Control de la red de acelerógrafos de las presas de Béznar y Rules. 2013-2015. Contrato Agencia de Medio Ambiente y Agua de Andalucía y la Universidad de Granada (Fundación Universidad-Empresa).
- Response files for the "spidernano" digitizer. 2015. Worldsensing S.L.-Fundación Universidad-Empresa.
- "Lectura remota telemática de los acelerógrafos de Béznar y Rules". Marzo-septiembre 2018. Empresa: Conservación, Asfalto y Construcción. S.A.-Fundación Universidad-Empresa.

C.4. Patents and other IPR

C.5, C.6, C.7… Other

-Director of the Andalusian Institute of Geophysics, University of Granada (1994-2000)
-Responsible Investigator of the group RNM-104- Sismología y Geofísica (Plan Andaluz de Investigación) 1993-present.

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.