

María Cruz Gallego
Brief CV
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Personal data

Name: María Cruz Gallego Herrezuelo

Birth: 27 December 1974, Valencia de las Torres, Badajoz, Spain

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Main areas of research

- Climate variability past and present.
- Reconstruction of solar activity during the last centuries.
- History of meteorology, geophysics and astronomy.

Professional experience

- Bs. in Physics, UEX, Spain, 1997.
- Pre-doc Visiting Scientist, GKSS, Germany, 3 months in 2000 (jun-aug).
- Ph.D. in Physics, UEX, 2004.
- Teaching Assistant, Physics of the Earth, Badajoz, UEX, 2001-2007.
- Visiting Scientist, Lisbon Geophysical Centre, Portugal, 14-months in: 2005 (jun-sep), 2006 (jun-sep), 2008 (jun-sep), 2009 (jul), and 2011 (jul).
- Assistant Professor, Physics of the Earth, Badajoz, UEX, 2007-2011.
- Visiting Scientist, Real Observatorio de la Armada en San Fernando, Spain, 2.5 months: 2012-2019.
- Associate Professor, Physics of the Earth, Badajoz, UEX, 2011-2021.
- Full Professor, Physics of the Earth, Badajoz, UEX, 2021-present.

Books

- M. C. Gallego (2004) Un estudio de la variabilidad climática en la Península Ibérica (Cáceres: Servicio de Publicaciones de la UEX, 328 pp., colección tesis doctorales) [I.S.B.N. 84-7723-645-3]
- M. L. Cancillo, J. A. García, A. Serrano, V. L. Mateos, M. C. Gallego, F. J. Alonso, F. J. Acero, M. Antón (2006) Guiones de prácticas de Técnicas experimentales en Meteorología (Cáceres: Servicio de Publicaciones de la UEX, 123 pp., colección manuales uex-46). [I.S.B.N. 84-7723-688-7]

Contributions in journals (selection)

More than 120 articles published in refereed journals included in the *Journal Citation Reports*.

Hirsch's citation index (h-index): h=21, total cites: 1848 (WoK); h=27, total cites: 2727 (Google Scholar)

- MC Gallego et al. (2011) "Trends in frequency indices of daily precipitation over the Iberian Peninsula during the last century" *Journal of Geophysical Research: Atmospheres* 116 (D2) 80.
- F. J. Acero, J. A. García, and M. C. Gallego (2011) "Peaks-Over-Threshold Study of Trends in Extreme Rainfall Over the Iberian Peninsula" *Journal of Climate* 24. doi: 10.1175/2010JCLI3627.1.
- JM Vaquero, MC Gallego, IG Usoskin, GA Kovaltsov (2011) "Revisited sunspot data: A new scenario for the onset of the Maunder minimum" *The Astrophysical Journal Letters* 731 (2), L24.
- F Domínguez-Castro, JM Vaquero, MC Gallego et al. (2017) "Early meteorological records from Latin-America and the Caribbean during the 18th and 19th centuries" *Scientific data* 4, 170169.
- N. Bravo-Paredes, M.C. Gallego, J.M. Vaquero, R.M. Trigo (2021) "The catastrophic floods in the Guadiana River basin since 1500 CE" *Science of the Total Environment* 797, 149141.
- J.M. Vaquero, N. Bravo-Paredes, ..., M.C. Gallego (2021) "Recovery of early meteorological records from Extremadura region (SW Iberia): the "CliPastExtrem" (v1.0) database" *Geoscience Data Journal*. <https://doi.org/10.1002/gdj3.131>

Other Data

- PI of 4 funded research projects.
- Supervisor of 4 doctoral dissertations (and 34 degree and master final projects and other academic works).
- Referee for 12 different journals and 1 agency.
- Academic Secretary of the Faculty of Science of the UEX from 7 April 2011 to 11 May 2015.
- Secretary of the Local Section of the Royal Spanish Society of Physics from December 2013.
- "Juan Jesús Morales" Award (6th edition) for Young Scientists (Faculty of Science, UEX, 2009).
- Member of the Observatorio Extremeño de Cambio Climático de la Junta de Extremadura from february 2021.
- 4 six-year periods of research activity recognized.