

## **Jerónimo López-Martínez**

### ***Summary Curriculum Vitae***

Jerónimo López-Martínez is Dr. in Geology and Professor at the University Autónoma of Madrid, Spain. His main research interest is on Geomorphology, Neotectonics, Quaternary geology, Paleoclimatology, Geology of Antarctica, Karst geology, Geological hazards, Environmental geology, Geological heritage, and Conservation and management in Antarctica.

He is involved in Antarctic research since 1989, having participated in 10 field expeditions, and visited also the Arctic. In total, he has carried out more than 30 expeditions to the polar regions and the main mountain ranges in the world, being 8 of them to the Himalayas. Ascent to many high mountains including Mount Vinson, the highest Antarctic summit, and Mount Everest. He has cooperated with scientists and institutions from Argentina, Brazil, France, Germany, Italy, New Zealand, South Korea, Sweden, United Kingdom and USA

He has been principal researcher of over 30 research projects and contracts. Is author or co-author of over 300 publications. Supervisor of eighth PhD thesis and twelve master theses. He has also taught at the University Complutense of Madrid and the University of Zaragoza. He has been visiting scientist in different universities and research centers, including University of Paris Sud-Orsay, British Antarctic Survey (Cambridge, UK) and University of Waikato (New Zealand).

Member of the Steering or Scientific committees of several polar conferences, including the 9th International Symposium on Antarctic Earth Sciences (Potsdam, Germany, 2003), First SCAR Open Science Conference (Bremen, 2004), SCAR-IASC IPY Open Science Conference (St. Petersburg, 2008), First SCAR Antarctic Climate Evolution Symposium (Granada, 2009), IPY Oslo Science Conference (Oslo, 2010), and four Spanish Polar symposia. Has participated in many outreach activities, lectures and has been curator of several exhibitions.

He is member of the editorial board of several scientific journals. He has participated in different evaluation panels in Spain and in other countries, including in 2002 the Science and Management Audit of the British Antarctic Survey, appointed by the Natural Environment Research Council (NERC).

He has been Manager of the Spanish Antarctic Program (1997-1998) and Secretary of the Spanish Polar Committee (1998-2003). He was responsible for the implementation in Spain of the procedures after the entry into force (1998) of the Protocol for Environmental Protection of the Antarctic Treaty. He was Spanish representative in the Council of Managers of National Antarctic Programs-COMNAP (1999-2003). Has participated in eleven Antarctic Treaty Consultative Meetings and has been the Spanish national representative at the Committee on Environmental Protection of the Antarctic Treaty (1998-2003). Member of the European Polar Board-EPB, European Science Foundation (1998-2006) and Vice-president of the EPB (2002-2006). Member of the Council of Scientific and Technological Programs of the French Polar Institute (2002-2005 and 2006-2009). Member (2004-2009) and co-Chair (2009-2010) of the Joint Committee for the International Polar Year, appointed by the International Council for Science (ICSU) and the World Meteorological Organization.

He has been President of the Scientific Committee on Antarctic Research (SCAR) in the period 2012-2016. He has served in different subsidiary bodies within SCAR: Delegate in the SCAR Working Group on Geology (1991-1995). Vice-president of

SCAR (2002-2006). Currently is president of the Spanish National Committee on Antarctic Research-SCAR and National Spanish SCAR Delegate (since 1995).

### ***CV Resume and data***

- Degree in Geology by the University Complutense of Madrid
- PhD in Geology by the University of Zaragoza
- Professor of External Geodynamics at the University Autonoma of Madrid
- Previous teaching at University Complutense of Madrid and University of Zaragoza
- Visiting scientist at different universities and research centres, as University of Paris Sud-Orsay, Cambridge (UK), Waikato (New Zealand)
- Research interest on: Geomorphology, Neotectonics, Quaternary geology, Palaeoclimatology, Geology of Antarctica, Environment and impacts in the polar regions, Karst geology, Hydrogeology, Geological hazards, Environmental geology and Geological heritage
- Principal researcher of more than 30 research projects and contracts
- Author of more than 300 scientific publications
- Director of eight PhD theses and a dozen of Master theses
- Participation in many outreach activities, lecturer and curator of exhibitions
- Member of the editorial board of several international and national scientific Journals
- Evaluation of scientific projects and research institutes in different countries
- Participation in the organization of several national and international Conferences
- Cooperation with scientists and institutions from Argentina, Brazil, France, Germany, Italy, New Zealand, South Korea, Portugal, Sweden, United Kingdom and USA
- Involved in Antarctic research since 1989
- Participation in ten Antarctic field expeditions
- Participation in about 30 expeditions to the polar regions and the main mountain ranges in the world, being 8 of them to the Himalayas. Ascent to many high mountains including Mount Vinson, the highest Antarctic summit, and Mount Everest
- Delegate in the SCAR Working Group on Geology (1991-1995)

- Manager of the Spanish Antarctic Program (1997-1998)
- Secretary of the Spanish Polar Committee, Ministry of Science and Technology (1998-2003)
- Responsible for the implementation in Spain of the procedures due to the entry into force (1998) of the Protocol for Environmental Protection of the Antarctic Treaty
- Spanish National representative at the Committee on Environmental Protection (CEP) of the Antarctic Treaty (1998-2003)
- Participation in eleven Antarctic Treaty Consultative Meetings and CEP meetings
- Spanish representative in the Council of Managers of National Antarctic Programs-COMNAP (1999-2003)
- Member of the European Polar Board-EPB, European Science Foundation (1998-2006) and Vice-president of the EPB (2002-2006)
- President of the Spanish National Committee on Antarctic Research-SCAR and National Spanish SCAR Delegate (since 1995)
- Vice-president of the Scientific Committee on Antarctic Research-SCAR (2002-2006)
- Member of the Council of Scientific and Technological Programs of the French Polar Institute (2002-2005 and 2006-2009)
- Member (2004-2009) and co-Chair (2009-2010) of the Joint Committee for the International Polar Year, appointed by the International Council for Science (ICSU) and the World Meteorological Organization (WMO)
- President of the Scientific Committee on Antarctic Research-SCAR (2012-2016)

## JERONIMO LOPEZ-MARTINEZ

### **Selected publications**

(from a total of more than 300, <https://scholar.google.es/citations?user=6HXpplsAAAAJ&hl=en>)

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- MAESTRO, M., JANÉ, G., LLAVE, E., **LÓPEZ-MARTÍNEZ, J.**, BOHOYO, F. & DRUET, M. (2017). The role of tectonic inheritance in the morphostructural evolution of the Galicia continental margin and adjacent abyssal plains from digital bathymetric model (DBM) analysis (NW Spain). *International Journal of Earth Sciences (Geol Rundsch)*. doi: 10.1007/s00531-017-1531-4
- SCHMID, T., **LÓPEZ-MARTÍNEZ, J.**, GUILLASO, S., SERRANO, E., D'HONDT, O., KOCH, M., NIETO, A., O'NEILL, T., MINK, S., DURÁN, J.J. & MAESTRO, A. (2017). Geomorphological mapping of ice-free areas using polarimetric RADARSAT-data on Fildes Peninsula and Ardley Island, Antarctica. *Geomorphology*, 293, 448-459. doi: 10.1016/j.geomorph.2016.09.031
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- CARCAVILLA, L., BELMONTE, A., DURÁN, J.J., **LÓPEZ-MARTÍNEZ, J.** & ROBLEDO, P. (2016). Patrimonio geológico y geodiversidad en terrenos kársticos en España. *Enseñanza de las Ciencias de la Tierra*, 24, 1, 61-73. ISSN (printed edition): 1132-9157 - (electronic edition): 2385-3484
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- GALÉ, C., LAGO, M., GIL-IMAZ, A., UBIDE, T., GIL-PEÑA, I., GALINDO-ZALDÍVAR, J., REY, J., MAESTRO, A. & **LÓPEZ-MARTÍNEZ, J.** (2014). Vulcanismo cuaternario de la isla Decepción (Antártida): una signatura relacionada con la subducción de la Fosa de las Shetland del Sur en el dominio de tras-arco de la Cuenca de Bransfield. *Boletín Geológico y Minero*, 125(1), 31-52. ISSN: 0366-0176
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- FRICKER, H., FUKUCHI, M., GILBERT, N., GUTT, J., HAVERMANS, C., HIK, D., HOSIE, G., JONES, C., KIM, Y., LE MAHO, Y., LEE, S.Y., LEPPE, M., LEYCHENKOV, G., LI, X., LIPENKOV, V., LOCHTE, K., **LÓPEZ-MARTÍNEZ, J.**, LÜDECKE, C., LYONS, W., MARENSSI, S., MILLER, H., MOROZOVA, P., NAISH, T., NAYAK, S., RAVINDRA, R., RETAMALES, J., RICCI, C., ROGAN-FINNEMORE, M., ROPERT- COUDERT, Y., SAMAH, A., SANSON, L., SCAMBOS, T., SCHLOSS, I., SHIRAIISHI, K., SIEGERT, M., SIMÕES, J., SPARROW, M., STOREY, B., WALL, D., WALSH, J., WILSON, G., WINTHER, J.G., XAVIER, J., YANG, H. & SUTHERLAND, W.J. (2014). Six priorities for Antarctic Science. *Nature*, 512, 23-25 (+7p. supplementary information), 7 August 2014. doi: 10.1038/512023a
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