

Dr. Francisco Javier González Sanz

He got his MSc in Geology (Ore Deposits), University of Salamanca (1999) and PhD in Geology (Mineralogy and Geochemistry of Marine Ferromanganese Deposits), Complutense University of Madrid (2008).

Dr. Javier González is currently the Head of “Marine Geology Resources and Extreme Environments” ([GL-GEOMAR](#)) Research Group at the Geological Survey of Spain ([IGME-CSIC](#)), a national center attached to the Spanish National Research Council. He was the coordinator of the Horizon 2020 MINDeSEA, the flagship project of GeoERA on seabed mineral deposits in the European seas.

He is Collaborator at the Department of Mineralogy and Petrology of the “Complutense University of Madrid” (UCM), contributing to the formation of PhD and Master Students. His research activities are concerned with mineralogy, petrology, geochemistry and metallogenesis, especially on deep sea mineralization such as methane-derived carbonates, Fe-Mn nodules, Co-rich crusts and polymetallic sulphides related to cold seeps, seamounts and hydrothermal systems. He has mainly worked on the Iberian continental margins, Canary Islands, Mid-Atlantic Ridge, South China Sea, Cocos-Nazca Ridge and South Shetland Islands and Scotia Sea (Antarctica), where he has been involved in several national and international research projects related to marine mineral deposits since 2004. He is an expertise on ferromanganese deposits along the continental slope of the Gulf of Cadiz and the Canary Archipelago.

He has participated in 20 oceanographic cruises in Antarctica, Canary Island, Mid-Atlantic Ridge, Azores Islands, Gulf of Cádiz, Galician and Bay of Biscay area, Mediterranean Sea and Lake Baikal. From 2008, he has coordinated the seabed sampling operations and research works on petrography, mineralogy, geochemistry and metallogenesis of different expeditions like those related with the extension of the Continental Shelf of Spain according UNCLOS and others on seamounts, cold-seeps and hydrothermal-magmatic systems (MVSEIS08, DRAGO0511, SUBVENT1, SUBVENT2, EXPLOSEA1, EXPLOSEA2). He has participated in international cooperative projects funded by Science Agencies of China, Iran, Russia, Brazil, UK, Greece, Norway and USA to study mineral deposits. Ad hoc advisor to various science support agencies and referee of international journals. He is member of the Editorial Board of the Springer Brief Series on World Mineral Deposits and Minerals MDPI journal. Presently he has 64 papers published in SCI referred journals, books, book chapters, scientific reports, metallogenetic maps and marine cartographies. He is Guest Editor of the Special Issue “Marine Geology and Minerals” of the Minerals journal. He has participated in International Conferences with more than 130 scientific presentations, and several communications in Media and Social Media.

He has directed 2 PhD Thesis and 10 Master Thesis and Final Degree Projects. He has tutored 3 International Theses and 9 students of Professional Practices from the Technological University of Athens, Complutense and Polytechnic universities of Madrid. Since 2008 he has conducted conferences and seminars as a collaborator in the classes of Mineral Resources and Marine Geology, Degree and Master of Geology, at the Universities of: Bologna (UNIBO), Buenos Aires (UBA), Tierra del Fuego (UNTF), Barcelona (UB), Complutense de Madrid (UCM) and Alicante (AU). Other invited conferences include those given at: Chilean Mining Chamber, Volcanoes European Night (Canary Islands), the American Geosciences Institute and the Ministry of the Environment and Natural Resources of the Government of Mexico.

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