

SEM Council Members

Name:

Juan Miguel González

Council role:

Editor-in-Chief International Microbiology

Employer or Institute:

Instituto de Recursos Naturales y Agrobiología de Sevilla (IRNAS), Consejo Superior de Investigaciones Científicas (CSIC)

Title:

Scientific Researcher

Main areas of study/work:

Environmental microbiology. Microbial ecology. Genomics. Diversity. Physiology. Geomicrobiology. Extreme environments.



Other information of interests:

Member of the Spanish Network of Extremophile Microorganisms.

PI of the Group of Microbial Diversity and Microbiology of Extreme Environments, IRNAS-CSIC.

PI of the Scientific and Technical Service "Detection and function of microorganisms and their molecules" (IRNAS-CSIC).

Three main or most recent publications:

Cuecas A, Cruces J, Galisteo-López JF, Peng X, González JM. 2016. Cellular viscosity in prokaryotes and thermal stability of low molecular weight biomolecules. *Biophysical Journal* 111(4):875-882.

<https://doi.org/10.1016/j.bpj.2016.07.024>

Santana MM, González JM, Cruz C. 2017. Nitric oxide accumulation: the evolutionary trigger for phytopathogenesis. *Frontiers in Microbiology* 8:1947.

<https://doi.org/10.3389/fmicb.2017.01947>

Gómez EJ, Delgado JA, González JM. 2020. Environmental factors affect the response of microbial extracellular enzyme activity in soils when determined as a function of water availability and temperature. *Ecology and Evolution* 10(18):10105-10115.

<https://doi.org/10.1002/ece3.6672>

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Keywords:

Diversity. Physiology. Growth status. Hyperthermophiles. Soil xerophiles. Microbial monitorization.