

SEM Council Members

Name:

David R. Arahal

Council role:

President of the Taxonomy, Phylogeny and Diversity Group

Employer or Institute:

Universidad de Valencia, Spain

Title:

Full Professor



Main areas of study/work:

Genomics-based taxonomy of archaea and bacteria, with a focus on bacteria from aquatic habitats, especially marine bacteria, and halophilic archaea and bacteria from hypersaline environments. Phylogenetic analysis. Long term preservation. Nomenclature and identification.

Other information of interest:

Chair of the Judicial Commission of the International Committee on Systematics of Prokaryotes (ICSP).

Three main or most recent publications:

Freese HM, Giner-Pérez L, Oren A, Göker M, Arahal DR. 2023. The gender gap in names of prokaryotes honouring persons. *International Journal of Systematic and Evolutionary Microbiology* 73:006115. <https://doi.org/10.1099/ijsem.0.006115>

Oren A, Arahal DR, Göker M, Moore ERB, Rossello-Mora R, Sutcliffe IC. 2023. International Code of Nomenclature of Prokaryotes. Prokaryotic Code (2022 Revision). *Journal of Systematic and Evolutionary Microbiology* 73:005585. <https://doi.org/10.1099/ijsem.0.005585>

Rey-Velasco X, Lucena T, Belda A, Gasol JM, Sánchez O, Arahal DR, Pujalte MJ. 2024. Genomic and phenotypic characterization of 26 novel marine bacterial strains with relevant biogeochemical roles and widespread presence across the global ocean. *Frontiers in Microbiology* 15:1407904. <https://doi.org/10.3389/fmicb.2024.1407904>

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Prokaryotic diversity. Taxogenomics. Classification.