

SEM Council Members

Name:

Jéssica Gil-Serna

Council role:

Editor-in-Chief NoticiaSEM

Employer or Institute:

Universidad Complutense de Madrid

Title:

Associate Professor

Main areas of study/work:

Molecular detection of microorganisms.

Control of toxigenic fungi.

Genetics of mycotoxin production.



Other information of interest:

Member of the British Mycological Society (BMS).

Member of the Spanish Network of Mycotoxins and Toxigenic Fungi and their Decontamination Processes (Micofood).

Three main or most recent publications:

Gil-Serna J, Patiño B, Verheecke-Vaessen C, Vázquez C, Medina A. 2022. Searching for the *Fusarium* spp. which are responsible for trichothecene contamination in oats. Using metataxonomy to compare the distribution of toxigenic species in fields from Spain and the UK. *Toxins* 14:592 <https://doi.org/10.3390/toxins14090592>.

Gómez-Albarrán C, Melguizo C, Patiño B, Vázquez C, Gil-Serna J. 2021. Diversity of mycobiota in Spanish grape berries and selection of *Hanseniaspora uvarum* U1 to prevent mycotoxin contamination. *Toxins* 13:649. <https://doi.org/10.3390/toxins13090649>.

Gil-Serna J, García-Díaz M, González-Jaén MT, Vázquez C, Patiño B. 2018. Description of an orthologous cluster of ochratoxin A biosynthetic genes in *Aspergillus* and *Penicillium* species. A comparative analysis. *International Journal of Food Microbiology* 268:35-43. <https://doi.org/10.1016/j.ijfoodmicro.2017.12.028>.

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Keywords:

Mycotoxins. Fungi. Molecular detection. *Aspergillus*. *Fusarium*.