

## SEM Council Members

### Name:

Pablo Salvador Fernández

### Council role:

President of the Food Microbiology Group

### Employer or institute:

Universidad Politécnica de Cartagena (UPCT), Spain

### Title:

Full Professor



### Main areas of study/work:

Microbial risk assessment. Mathematical modelling. Food safety. Physiology of foodborne pathogenic bacteria.

### Other information of interest:

Head of the research associated unit Food safety and preservation, with IATA-CSIC.

Expert of the European Food Safety Authority (EFSA) since 2012.

Member of the Scientific Committee of the Spanish Food Safety and Nutrition Agency (AESAN) since 2019 to 2023.

### Three main or most recent publications:

Bodea IM, Cătuțescu GM, Palop A, Fernández PS, Garre A. 2023. Washing solutions containing nanoemulsified essential oils as a potential substitute of commercial washes for the decontamination of *Escherichia coli* O157:H7 on cherry tomatoes. *LWT* 190:115549. <https://doi.org/10.1016/j.lwt.2023.115549>.

Georgalis L, Psaroulaki A, Aznar A, Fernández PS, Garre A. 2022. Different model hypotheses are needed to account for qualitative variability in the response of two strains of *Salmonella* spp. under dynamic conditions. *Food Research International* 158:111477. <https://doi.org/10.1016/j.foodres.2022.111477>.

Allende A, Bover-Cid S, Fernández PS. 2022. Challenges and opportunities related to the use of innovative modelling approaches and tools for microbiological food safety management. *Current Opinion in Food Science* 45:100839. <https://doi.org/10.1016/j.cofs.2022.100839>.

### Contact details:

Telephone: +34-968325905

E-mail: [pablo.fernandez@upct.es](mailto:pablo.fernandez@upct.es)

### Keywords:

Microbiological risk assessment. Mathematical modelling. Physiological behaviour of foodborne pathogenic bacteria.