



ISMOM 2019

Seville, Spain, June 23-28

8th International Symposium on Interactions of Soil Minerals with Organic Components and Microorganisms,
International Congress of the Division 2.5 of the International Union of Soil Sciences (IUSS)

Understanding Soil Interfacial Reactions for Sustainable Soil Management and Climatic Change Mitigation

Chair Heike Knicker
Co-Chair Francisco J. González-Vila
IRNAS-CSIC, Seville, Spain

Sessions:

- **Soil as a C and N sink – Who is the major player, soil minerals, soil organic matter quality, microbial activity or their interplay?**
- **New physical, chemical and biological analytical approaches – How can they lead us to a better understanding of soil interfaces?**
- **Ecological disturbances – How do mismanagement of soils (overgrazing, erosion etc.) or natural disasters (fire, flooding etc.) affect the interplay between soil minerals, SOM and microorganisms?**
- **Dynamics of pollutants at soil interfaces – What is new and how can environmental biotechnology be beneficial for soil restoration and bioremediation?**
- **Soil amendments (biochar, composts and digestates) – How do they affect interactions at soil interfaces?**
- **Nutrient availability in soils – Can our knowledge on soil interfaces improve biotechnological approaches or soil management to decrease the need for artificial fertilizers?**

Soil can be seen as an important and delicate interface between biosphere, hydrosphere, atmosphere, and lithosphere. Biogeochemical processes occurring at this interface are crucial for maintaining soil ecosystem function, plant productivity and water quality. Aside from controlling the fate of pollutants, this interface plays a key role within the biogeochemical cycles and thus for soils to act as a source or sink of greenhouse gases. Bearing this in mind the present symposium seeks to create a platform for exchange and discussion between scientists from different fields of soil science, soil chemistry, soil biology, soil biochemistry, soil physics, ecology and environmental science.

Important Dates:

December 2018: Pre-registration and Call for Abstracts
1st January 2019: Registration opens
1st February 2019: Deadline abstract submission
1st April 2019: End of Early Bird registration
May 2019: Final program

Contact and more information:

- www.ISMOM2019.org

