Nombre: Mariela José Navas Vásquez

Email: marielan@ucm.es

Teléfono de contacto: 913941760

Posición y cargo: PROFESOR AYUDANTE DOCTOR

Grupo de Investigación: SUELO Y SU IMPACTO AMBIENTAL (SIAM)

Docencia: Asignaturas del grado de Farmacia, grado Ciencia y Tecnología de los Alimentos y en el Máster mixto (universidad de Alcalá, UCM y UPM) Restauración de Ecosistemas.

Área de Conocimiento: EDAFOLOGÍA Y QUÍMICA AGRÍCOLA

SCOPUS: ORCID: org/000-0002-0634-2103

Researcher ID: G-4218-2015

Web

Biography:

Agricultural Engineer from the Universidad de Oriente (UDO, 1992) with a Master's Degree, Specialist in Soil Sciences from the Universidad Central de Venezuela (UCV, 2000). He holds a PhD in Agricultural Engineering in Agro-environmental Technology from the Polytechnic University of Madrid (UPM, 2008), having completed his doctoral thesis at the Soil Science Department of the UPM. Prior to her PhD, she did research stays at the Fondo Nacional de Investigaciones Agrícolas de Venezuela (1994-1995; 1 year), at the Consejo Superior de Investigaciones Científica (CSIC-Spain, 1996; 3 months) and at the University of Hohenheim in Germany (2000; 3 months). She has been a researcher at INIA-Anzoátegui, Venezuela (2001-2010), where she coordinated the fertility and soil biology laboratory and implemented a quality system for laboratory accreditation. In addition, she participated in specialist committees and coordinated and participated in research and technology transfer projects. In the period 2011-2015 she worked at the Centre for Plant Biotechnology and Genomics (UPM-INIA) in Madrid, where she developed skills related to the molecular biology of microorganisms. During that period, his research work was oriented to evaluate changes in the populations of bacteria and archaea linked to the nitrogen cycle in soil. He worked as a postdoctoral researcher at the Soil Science Unit of the Universidad Politécnica de Madrid (2016-December 2021-October) and was a teaching collaborator in several subjects. In this centre he focused his work on the development of the new research unit of Soil Biology and Fertility, carrying out research oriented to the study of the diversity and structure of soil microorganisms using molecular biology and genetic techniques (quantification of functional genes of bacteria and fungi linked to the N, P

and C cycle). During 2021-2022. Work as a Researcher in the Applied Research and Agricultural Extension Department of the Madrid Institute for Rural, Agricultural and Food Research and Development (IMIDRA). In this period she focused on generating soil molecular markers to evaluate different guilds of microorganisms linked to soil C, N and P cycles.

Research Interest:

Impact of climate change, land management and land use on the provision of soil ecosystem services, focusing mainly on the functions of soil microorganisms.