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Posición y cargo: Profesor Titular de Universidad

Grupo de Investigación: El Suelo y su Impacto Ambiental (SIAM). Programa I+D CARESOIL

Docencia: Grado en Farmacia

Área de Conocimiento: Edafología y Química Agrícola

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Web: <https://www.ucm.es/caresoil/>

Biography: B.S. (1979) and Ph.D. (1984) degree and doctorate in Pharmacy at the Complutense University (Madrid). He has completed stays in research centers such as the Facultad QFB, UV (Mexico), at Instituto Tecnológico Superior del Estado de Hidalgo (ITSOEH) (Mexico) and at the College of Agricultural and Environmental Sciences, UC Davis, California (EEUU). Published more than 90 scientific papers, reviews, monographs, book chapters and weblogs; participated in more than 25 funded projects, contracts and research activities (IP in 10 of them). He is a member of the SIAM research group (Director) which is part of the R&D programme CARESOIL. He is a member of the International Society of Soil Science since 1980. Member of the Spanish Society of Soil Sciences for the same period. Corresponding Member of the National Royal Academy of Pharmacy (2003). Corresponding Member of the Santa María Academy of Pharmacy in Spain for the Murcia Region (2018). Expert on the Committee of General Analysis Methods for the Pharmacopea of the United States and Mexico (2016-present). He has two levels of research activity (current).

Research Interest: Pollution is a major threat to soils and poses a serious risk to food safety, human health and the environment. The SIAM group addresses three main lines of research, all of them related to soil contamination, particularly heavy metals. The technology that is use is based on the combination of analytical, physical-chemical and microbiological techniques in a protocol that includes: i) Determination of indexes of heavy metal availability ii) Performance of bioassays iii) Determination of contamination and recovery through bioindicators.