Special Issue

Biogeochemical Processes of Nutrients in Soil and Sediments: C, N, and P Cycling

Message from the Guest Editor

Coupled biogeochemical mechanisms are involved in the cycling of nutrients, such as carbon, nitrogen, and phosphorus, in soils and sediments influencing the nutrients' partitioning between biotic and abiotic compartments. Soil–plant–microbial interactions mediate nutrients' mineralization/immobilization, sorption/desorption, precipitation/dissolution, and leaching. This Special Issue, 'Biogeochemical Processes of Nutrients in Soil and Sediments: C, N, and P Cycling', invites authors to submit their manuscripts addressing new findings in soil nutrient cycling. Some potential topics include the effects of agricultural management practices on nutrient cycling, impacts of soil amendments (organic and/or inorganic) on nutrient dynamics, soil microbial gene expression regulating enzyme activity involved in nutrient cycling, role of minerals (Fe- and Mn-(oxy)hydroxides, aluminosilicate clays) on nutrient stabilization and leaching, and nutrient association with supramolecular humic substances. Papers describing nutrient dynamics in agricultural, wetland, and other natural ecosystems are encouraged for submission.

Guest Editor

Dr. Angélica Vázquez-Ortega
School of Earth, Environment and Society, College of Arts and Sciences, Bowling Green State University, Bowling Green, OH 43403, USA

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Soil Systems
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
soilsystems@mdpi.com

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Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Heike Knicker
Group of Interactions Between Soils, Plants and Microorganisms, Departament of Food Biotechnology, Instituto de la Grasa (IG-CSIC), 41012 Sevilla, Spain

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