

Special Issue

Nitrogen Cycle in Farming Systems

Message from the Guest Editors

The aim of this Special Issue is to present the newest solutions in nitrogen management in diverse farming systems, subsequently leading to fulfilling twin objectives of the sustainable intensification of agriculture, i.e., food production, using efficiently non-renewable resources, without disturbance of the environment. Scope including: 1) Nitrogen budgeting and cycle in farming systems in different climatic zones (tropic; humid; dry) 2) Nitrogen budgeting and cycle in diverse farming systems (crop farming systems; mixed crop–livestock systems; extensive farming systems; industrialized farming–plantation) 3) Effect of organic and mineral N carriers on activity of soil microorganisms; structure and transformation pathways of soil N compounds; soil N compounds as indicators of N availability to crop plants 4) In-season nitrogen balance in fields with diverse cropping composition 5) Critical stages of the crop plant's requirements for nitrogen 6) A comparison of bio-fertilizers with mineral N carriers 7) Effect of a synchrony of the simultaneous application of organic fertilizers with mineral N fertilizers on N efficiency

Guest Editors

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Deadline for manuscript submissions

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