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# Increasing Temporal Diversity: Potential of Grassland Leys in Crop Rotations for Sustainable Agriculture

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Deadline for manuscript submissions: closed (31 December 2021)

#### **Message from the Guest Editors**

We invite you to submit papers on (but not limited to) the following topics: (1) Nitrogen transfers from grassland levs containing legumes to a follow on crop, (2) effect of grassland termination (timing of ploughing, conservation tillage vs ploughing etc) on the conservation of soil carbon and nitrogen stocks, (3) plant-soil interactions in grassland levs (e.g., improved rooting depths from macropores of grassland ley, change in microbial communities, etc.) and their impact on the agronomic potential of follow-on crops and the soil organic carbon stocks, (4) benefits from improved biodiversity, both intrinsic (e.g., higher micro-/macrofauna diversity due to habitat diversity/quality), and agronomic/environmental (e.g., weed suppression and weed seed predation, pollination services, pest control), and (5) modelling of diversity effects, whole-system analyses of crop rotations in mixed farming system compared approaches to monocropping and/or permanent grasslands and decision-supporting tools.









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### **Editor-in-Chief**

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### Message from the Editor-in-Chief

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