# Special Issue

# Net Zero Target and Land Use in Agriculture and Forestry: Carbon Auditing, Offsetting and Trading

# Message from the Guest Editor

The integration of advanced technologies like artificial intelligence and machine learning algorithms, along with strategic land use practices such as conservation tillage and sustainable forestry management, can potentially play an important role in meeting net zero targets across agricultural and forestry land use categories. Alpowered predictive modeling and data analytics can optimize land use decisions, enhance carbon sequestration efforts, and improve the efficiency of emission reduction strategies, thereby supporting the achievement of climate goals in agricultural and forestry land use contexts. Topics of interest include (but are not limited to) the following: land use and land cover change; land degradation; land management; landscape ecology and landscape planning; urban sprawl, land consumption and land take; ecosystem services; remote sensing of land; soil and land; land reclamation. The proposed Special Issue touches on several of these topics, particularly land use change, land management, ecosystem services (in the form of carbon sequestration), and the use of remote sensing (through Al and digital tools) for land management.

#### **Guest Editor**

Dr. Naser Khan

School of Chemical Engineering, University of Adelaide, Adelaide, SA 5000, Australia

#### Deadline for manuscript submissions

28 February 2026



an Open Access Journal by MDPI

Impact Factor 3.2 CiteScore 5.9



mdpi.com/si/216475

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# Message from the Editor-in-Chief

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#### Editor-in-Chief

# Prof. Dr. Christine Fürst

Department Sustainable Landscape Development, Institute for Geosciences and Geography, University of Halle, Halle, Germany

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