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. AI-powered 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 AI and digital tools) for land management.

Guest Editor

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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend Land for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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