

Special Issue

Advanced Innovation for Improving Total Factor Productivity in Agriculture

Message from the Guest Editors

To sustainably meet global needs for agricultural products by 2050, agricultural total factor productivity (TFP) needs to grow by 1.73 percent annually. However, from 2011 to 2020, global TFP grew at an average of 1.12 percent per annum. Sub-Saharan Africa in particular is struggling to overcome negative TFP growth, and TFP growth is no longer the driver of increased agricultural output in Latin America and the Caribbean. This Special Issue of *Agronomy* seeks to build the evidence base of cutting-edge innovation that increases TFP, particularly in the African, Latin American, Asian, and Caribbean contexts, and especially those designed for smallholder farmers. Technological innovation may include, but is not limited to, digital services, seed varieties, agronomic practices, or technological advances that will reduce the level of inputs considered in the calculation of TFP—land, labor, capital, and material resources. Reviews, integrative studies, original studies, and conference papers are all welcome. Articles that consider TFP growth and the policy implications of advancing innovation for TFP growth are also of interest.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2023)



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Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

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