

Special Issue

Application of Mechatronics in Agriculture

Message from the Guest Editors

The applications of mechatronic systems and autonomous machines have permeated many domains of agriculture. Autonomously operating machines help meet labor shortages and enhance agricultural productivity, the sustainability of economic development, and the growth of farms. Due to their accuracy and energy efficiency, autonomously operating unmanned machines can significantly increase quality and quantity in agricultural production. Moreover, they can help curtail GHG emissions and the negative effects of fertilizers. Several potentially challenging issues exist in developing and implementing autonomously driven unmanned vehicles. Sensing the surrounding environment and controlling systems in the face of these uncertainties pose significant challenges to using autonomously driven vehicles. This Special Issue aims to discover, elaborate, and share the different scientific studies and development methodologies addressing challenges in employing autonomously operating machines and systems applying mechatronic system development principles to enhance agricultural production. We invite all researchers to submit their findings in the study of mechatronics in agriculture.

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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