

Special Issue

Feature Papers in Agriculture Technology—Using Computer Simulation for Agricultural Machinery Design and Development

Message from the Guest Editor

In the ever-changing world of agriculture, marked by the constant need to produce more food while managing resources and sustainability, the creation of better farming equipment plays a crucial role. Embracing technology and innovation is key to tackling these challenges, and computer simulation stands out as a powerful tool in this quest. This Special Issue, titled "Using Computer Simulation for Agricultural Machinery Design and Development", explores the broad landscape of applying computer simulation techniques in agriculture. We are inviting researchers, engineers, and practitioners to contribute their knowledge and experience in this dynamic field. We welcome original research articles and comprehensive reviews covering various topics, including advanced modelling and simulation (DEM, FEM, CFD, SPH), performance optimization, structural analysis, energy efficiency, human-machine interaction, and validation and verification. This Special Issue is not just a collection of papers; it is a driving force in pushing the boundaries of agricultural machinery design and development through computer simulation.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Les Copeland

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