

Special Issue

Life Cycle Sustainability Assessment of Agricultural Machinery

Message from the Guest Editors

Agricultural machinery is a fundamental factor in agricultural and livestock productions. From the environmental point of view, agricultural machinery should reduce energy requirements for manufacturing, fuel consumption, exhaust gases emissions, soil compaction and disposal impact. Additionally, operators should work in safe and ergonomic conditions to assure their proper welfare. Moreover, the initial investments and operational costs during the machinery life cycle have weight on the farm profitability. We are convinced that agricultural mechanization is now facing challenges to satisfy the needs for high performance, safety, and sustainability. This Special Issue welcomes submissions on: i) the performance of agricultural machinery and/or agricultural mechanization carried out with life cycle assessment, cost, and social assessment methods; ii) the evaluation of novel indicators supporting these methodologies; iii) the performance of agricultural machinery in terms of operators' safety and ergonomics, exhaust gases emissions, and innovative solutions for efficient farming.

Guest Editors

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Deadline for manuscript submissions

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Editor-in-Chief

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