# Soil and Tillage Research

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**Scientific publisher :** ISTRO - International Soil Tillage Research Organization (Netherlands)
**Commercial publisher :** Elsevier (Netherlands)

**Journal's website :** <https://www.sciencedirect.com/journal/soil-and-tillage-research>
**Information for authors :** <https://www.sciencedirect.com/journal/soil-and-tillage-research/publish/guide-for-authors>
**Other link :** <https://www.istro.org/index.php/publications/istro-journal>

**Présentation de la revue**
**Original language :**

This journal is concerned with the changes in the physical, chemical and biological parameters of the soil environment brought about by soil tillage and field traffic, their effects on both below and above ground environmental quality, crop establishment, root development and plant growth, and the interactions between these various effects. This implies research on: characterization or modelling of tillage and field traffic effects on the soil environment; the selection, adaption of development of tillage systems (including reduced cultivation and direct drilling) suitable for specific conditions of soil, climate, topography, irrigation and drainage, crops and crop rotations, intensities for fertilization, degree of mechanization, etc. and the appropriate use of tillage systems to maintain a balance between acceptable crop production, sustainability and minimum environmental impacts. In this context, papers on the characterization or modelling of tillage effects on: soil physical, chemical and biological properties, processes related to surface and subsurface groundwater quality, soil erosion, carbon and nutrient cycling and crop production, are most welcome. Papers on soil deformation processes, soil-working tools and traction devices, energy requirements and economic aspects of tillage are also considered. Attention will also be given to the role of tillage in weed, pest and disease control. As of 1998 this journal incorporates Soil Technology.

**Topics :**
Agriculture: multidiscip.
Growing techniques
Soil

**Open access :** Author-paid optional open access

**Languages :** English

**Journal reputation :**
Peer-reviewed with SCImago Journal Rank (SJR)
Peer-reviewed with Impact Factor (IF)

**Informations générales**
**Other titles :** Soil & Tillage Research
**Former title :** Soil Technology
**ISSN :** 0167-1987 (ISSN-L); 0167-1987 (ISSN-Print); 1879-3444 (ISSN-Electronic)
**Frequency :** 10 issues/year
**Additional information :**

Embargo : 24 mois après publication de l'article, la version post-print peut être déposée sur une archive ouverte (ex : Agritrop).

**Article types :** Research articles, Reviews, Short articles, Special issues

**Publishing costs :** No
**Cost of optional open access :** 4400 $. Pour les Ciradiens, aucun coût à payer suite à un accord national pour la période 2024-2027 (https://intranet-dist.cirad.fr/publier/choisir-la-revue/accords-cirad-editeurs). (updated 03/10/2024)

**Données de la recherche**
**Research data access policy :** Deposit recommended
**Data repositories recommended by the journal :** <https://www.elsevier.com/authors/author-resources/research-data/data-base-linking#repositories>

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