

AUTHOR INFORMATION PACK

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DESCRIPTION

Global issues require studies and solutions on national and regional levels. *Geoderma Regional* focuses on studies that increase understanding and advance our scientific knowledge of soils in all regions of the world. The journal embraces every aspect of soil science and welcomes reviews of regional progress.

Geoderma Regional asks all authors to include a KML/KMZ file so the studied region can be displayed on an Interactive Map.

ABSTRACTING AND INDEXING

Science Citation Index Expanded Scopus INSPEC

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soil, nitrogen, nitrous oxide, Soil organic carbon, biochar, C sequestration, nitrification, denitrification L.M. Condron, Lincoln University, Faculty of Agriculture Horticulture Viticulture, Christchurch, New Zealand

Biogeochemistry, phosphorus cycling/dynamics, rhizosphere processes

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soil conservation, soil organic matter, digital soil mapping, geophysical sensors, geostatistics, soil geodatabases, soil moisture and temperature regimes, hydropedology, soil classification, paleopedology and soils as part of our cultural heritage, terroir and land evaluation

S. Daroub, University of Florida, Gainesville, Florida, United States of America

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Soil, forensic science, soil organic matter

J.A.M. Demattê, University of Sao Paulo Luiz de Queiroz College of Agriculture, Piracicaba, Brazil Remote sensing applied to soils

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relationships, carbon sequestration D. Fiantis, Andalas University, Padang, Indonesia

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Soil Security, Soil Functions, Soil education, Soil Structure,

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soil science, pedology, digital soil mapping

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biogeochemistry including nutrient cycling, greenhouse gas emissions and water and solutes transport in soils

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Proximal soil sensing, Remote sensing, Digital soil mapping, Soil physics

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Soil Micromorpholoy, Mineralogy and Sustainable Land Management

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Soil, Spectroscopy, Chemometrics

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SOM dynamics, Nutrient (N, C and P) cycling, Climate change, C sequestration, Resilence and Adaptation to Climate Change

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soil geography, soil classification, soil genesis, soil minarology, soils and food security

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Digital Soil Mapping, remote and proximal sensing of soil properties, legacy soil data processing, mediterranean soils, hydro-pedology

Lagomarsino, CREA Research Centre for Agriculture and Environment, Foggia, Italy

Greenhouse gas emissions from soil, Carbon and nitrogen cycle, Bio-indicators of soil quality and health, Soil enzyme activity, Soil biomass and microbial activity

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Soil Science, Pedology, Soil Modeling. Digital Soil Mapping, Remote Sensing, Hydropedology, Hydrology, Soil Fertility and Plant Nutrition

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soil survey, hydropedology, pedotransfer functions, soil carbon and land evaluation, soil erosion risk mapping, soil databases, soil classification

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Soil C and N transformations, soil-atmosphere gas exchange

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Soil carbon sequestration, Isotope based studies in soil-plants systems, Soil science, biogeochemistry, Nutrient cycling, Isotope based studies, Soil fertility and plant nutrition, Volcanic soils

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Soil genesis, soil classification, soil mapping, soil geography

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spatial analysis, geomorphology, digital terrain analysis, digital soil mapping

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pedometrics, digital soil mapping, soil modelling, pedotransfer functions, soil spatial statistics

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remote sensing, soil spectroscopy, digital soil mapping, geostatistics, spatial modelling, soil mineralogy, soil organic carbon, kriging for large datasets

Kipchirchir Ngetich, Jaramogi Oginga Odinga University of Science and Technology, Department of Plant, Animal and Food Sciences, Bondo, Kenya

Greenhous gas emissions, soil fertility, agricultural management, Agriculture and Climate Change

T. Oguchi, The University of Tokyo Center for Spatial Information Science, Kashiwa-shi, Chiba, Japan Hillslope and fluvial geomorphology, GIS

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Soil Science, Soil Physics, Water and Solute Transport, Soil Pollution

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Soil Carbon Dynamics

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soil genesis, soil micromorphology, micromorphometry, paleosols, soils with carbonates and/or gypsum, soil carbon, watershed and soil hydrology

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Digital Soil Mapping, Pedometrics, Remote Sensing

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Pedometrics, Digital soil mapping, Sampling, Antarctica, Precision Agriculture

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Soil sciences, Nitrogen leaching, Soil fertility, Crop fertilization, Agroecology

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Digital soil mapping, Proximal sensing

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Circular agriculture, Nutrients cycle, Soil biology, soil fauna, earthworms, Soil organic matter, Soil structure

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Soil chemistry, soil interface chemistry, molecular environmental soil chemistry, soil pollution, soil remediation, heavy metal pollution, engineer nano particle, ecotoxicity

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Desert, Aeolian process, Global change, Palaeoclimate, Quaternary environments

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Quantified land & Environmental Resources Evaluation, Shifting Agriculture, Remote Sensing & GIS/Landscape Modelling, Geostatistics and Spatial analysis, Climite change mitigation through the REDD + mechanism.

P. Zdruli, Mediterranean Agronomic Institute of Bari, Valenzano, Italy soil, water and land management, desertification, natural resources, environment **D. Zhou**, Institute of Soil Science Chinese Academy of Sciences, Nanjing, China

Environmental soil chemistry, including the source identification, fate, risk assessment and remediation of metals and organic pollutants in soils

Founding Editor

A.E. Hartemink, University of Wisconsin-Madison, Madison, Wisconsin, United States of America soil science, pedology, soil fertility, Digital soil morphometrics, soil carbon, Digital soil mapping, tropical soils, soil science history, soil science bibliometrics, the soil profile

GUIDE FOR AUTHORS

INTRODUCTION

Global issues require studies and solutions on national and regional levels. Geoderma Regional focuses on studies that increase understanding and advance our scientific knowledge of soils in all regions of the world. The journal embraces every aspect of soil science and welcomes reviews of regional progress.

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- Original Research Paper (Regular Paper)
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The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

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Organic soils: Histosols

Acid forest soils with a subsurface accumulation of metal-humus complexes: Spodosols

Soils formed in volcanic ash: Andisols

Intensely weathered soils of tropical and subtropical environments: Oxisols

Clayey soils with high shrink/swell capacity: Vertisols

CaCO3-containing soils of arid environments with subsurface horizon development: Aridisols

Strongly leached soils with a subsurface zone of clay accumulation and <35% base saturation: Ultisols

Grassland soils with high base status: Mollisols

Moderately leached soils with a subsurface zone of clay accumulation and >35% base saturation:

Alfisols

Soils with weakly developed subsurface horizons: Inceptisols Soils with little or no morphological development: Entisols

Soil Classification(WRB): Soils with thick organic layers: Histosols

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Shallow or extremely gravelly soils: Leptosols

Alternating wet-dry conditions, rich in swelling clays: Vertisols

Floodplains, tidal marshes: Fluvisols

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Salt enrichment upon evaporation: Solonchaks

Groundwater affected soils: Gleysols

Allophanes or Al-humus complexes: Andosols

Cheluviation and chilluviation: Podzols

Accumulation of Fe under hydromorphic conditions: Plinthosols

Low-activity clay, P fixation, strongly structured: Nitisols Dominance of kaolinite and sesquioxides: Ferralsols

Abrupt textural discontinuity: Planosols

Structural or moderate textural discontinuity: Stagnosols

Typically mollic: Chernozems

Transition to drier climate: Kastanozems Transition to more humid climate: Phaeozems

Gypsum: Gypsisols Silica: Durisols

Calcium carbonate: Calcisols Albeluvic tonguing: Albeluvisols

Low base status, high-activity clay: Alisols Low base status, low-activity clay: Acrisols High base status, high-activity clay: Luvisols High base status, low-activity clay: Lixisols With an acidic dark topsoil: Umbrisols

Sandy soils: Arenosols

Moderately developed soils: Cambisols

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