EUROPEAN JOURNAL OF AGRONOMY
The Official Journal of the European Society for Agronomy

DESCRIPTION
The European Journal of Agronomy, the official journal of the European Society for Agronomy, publishes original research papers reporting experimental and theoretical contributions to field-based agronomy and crop science. The journal will consider research at the field level for agricultural, horticultural and tree crops, that uses comprehensive and explanatory approaches. The EJA covers the following topics:

crop physiology
crop production and management including irrigation, fertilization and soil management
agroclimatology and modelling plant-soil relationships
crop quality and post-harvest physiology
farming and cropping systems
agroecosystems and the environment
crop-weed interactions and management
organic farming
horticultural crops
papers from the European Society for Agronomy bi-annual meetings
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AUDIENCE
Agronomists, crop/plant scientists, soil scientists

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Variability; Nitrogen Management
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**M. Fuller**, University of Plymouth, Plymouth, United Kingdom

**A. Gardarin**, Physical Chemistry and Ecotoxicology of Contaminated Agrosystem Soils, Thiverval Grignon, France

Weed science : analysing their life-cycle, their biology, their ecology, accounting for their diversity using concepts from ecology, modelling their dynamics, analysing and modelling their interactions with soil, climate and cropping systems; spatial dynamics of plants (weeds and feral oilseed rape) in agroecosystems (agronomical and landscape ecology approaches, metapopulation models), intercropping (mainly plant establishment and early growth in cereal-legume intercrops, effects on weed control); forage quality in grasslands with a strong ecological approach; biological regulations in plurispecific cropping systems. The originality of my background lies in the fact that I use concepts and methods from ecology to address agronomical questions.

**C. Hoffmann**

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Crop physiology and agronomy; Rice; Rainfed and irrigated rice production systems in the tropical, sub-tropical and temperate regions of Asia

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**H. Meinke**, University of Tasmania, Hobart, Australia

Availability, Stability and Environment. 1) Agricultural systems, 2) Systems modelling, 3) Agricultural value chains, 4) Climate risk Assessment and management, 5) Societal impact of science, 6) Sustainable agricultural practices, 7) Food security and stability, 8) Food systems 9) Land and food, 10) Productive landscapes

**D. Moot**, Lincoln University Department of Agricultural Sciences, Christchurch, New Zealand

**C. Nendel**, Leibniz Centre for Agricultural Landscape Research, Muncheberg, Germany

soil and crop modeling; climate change adaptation; soil organic matter mineralisation; C and N cycling in agro-ecosystems; yield assessment and regionalization

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**J.E. Olesen**, International Centre for Research in Organic Food Systems, Viborg, Denmark

**M. Pagliai**, Research Centre for Soil Science and Agrobiology, Firenze, Italy

**M. Quemada**, Polytechnic University of Madrid Superior Technical School of Agricultural Engineering Food Science and Biosystems, Madrid, Spain

Nitrogen fertilization; water and nitrogen management in agricultural systems; cover crops

**A. Rashid**, Pakistan Academy of Sciences, Islamabad, Pakistan

Soil fertility; Plant nutrition; Micronutrients; Boron; Zinc; Phosphorus; Soil nutrient balances; Soil fertility mapping; Agronomic biofortification; Soil Testing; Plant Analysis

**P. Reidsma**, Wageningen University, Wageningen, Netherlands

Climate change; Adaptation; Resilience; Integrated assessment; Yield gap analysis; Farming systems; Bio-economic farm modelling; Sustainable development

**D.P. Rondanini**, University of Buenos Aires, Buenos Aires, Argentina

**W.A.H. Rossing**, Wageningen University, Wageningen, Netherlands

farming systems, crop-pest interactions, farm-landscape interactions, systems analysis and simulation, innovation.

**M.C. Rufino**, Lancaster Environment Centre, Lancaster, United Kingdom

**G. Russell**, The University of Edinburgh, Edinburgh, United Kingdom

**R. Savin**, University of Lleida, Lleida, Spain

Cereals (non-rice); Crop physiology; Grain quality; Abiotic stresses; Nitrogen use efficiency; Field crops (mainly wheat, barley, maize and sunflower)
J. Schellberg, University of Bonn, Bonn, Germany
H.W. Scherer, Institute of Plant Nutrition, Bonn, Germany
U. Schmidhalter, Technical University of Munich Chair of Plant Nutrition, Freising, Germany
J. Shrestha, Nepal Agricultural Research Council, Kathmandu, Nepal
G. A. Slafer, University of Lleida, Lleida, Spain
Wheat; Barley; Cereals; Crop-Physiology; Yield; Yield components; Water use efficiency; Nitrogen use efficiency; trait useful for breeding.
H. Stützel, Leibniz University Hanover, Hannover, Germany
M. Tagliavini, Free University of Bozen-Bolzano, Bolzano, Italy
F. Tao, Chinese Academy of Sciences, Beijing, China
E. Triboi, National Research Institute for Agriculture Food and Environment Clermont-Auvergne-Rhône-Alpes Center, Clermont Ferrand, France
N. Vignozzi, Research Centre for Soil Science and Agrobiology, Firenze, Italy
Plant-Soil relationships; Tillage and soil management
D. Wallach, Agroecology Innovation Territories, Castanet Tolosan Cedex, France
C. Watson, Scotland's Rural College Crop and Soil Systems Research Group, Aberdeen, United Kingdom
J. Wery, Montpellier SupAgro, Montpellier, France
B. Wollenweber, Aarhus Universitet Institut for Agrookologi - Flakkebjerg, Slagelse, Denmark
P.J. Zarco-Tejada, University of Melbourne Faculty of Veterinary and Agricultural Sciences, Melbourne, Victoria, Australia
hyperspectral remote sensing, stress detection, manned and Unmanned Aerial Vehicles (UAV RPAS), thermal, water stress, nutrient stress, radiative transfer
X. Zhang, Institute of Genetics and Developmental Biology Center for Agricultural Resources Research, Shijiazhuang, China
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INTRODUCTION
The European Journal of Agronomy, the official journal of the European Society for Agronomy, publishes original research papers reporting experimental and theoretical contributions to field-based agronomy and crop science. The journal will consider research at the field level for agricultural, horticultural and tree crops, that uses comprehensive and explanatory approaches. The EJA covers the following topics:
crop physiology crop production and management including irrigation, fertilization and soil management agroclimatology and modelling plant-soil relationships crop quality and post-harvest physiology farming and cropping systems agroecosystems and the environment crop-weed interactions and management organic farming horticultural crops papers from the European Society for Agronomy bi-annual meetings In determining the suitability of submitted articles for publication, particular scrutiny is placed on the degree of novelty and significance of the research and the extent to which it adds to existing knowledge in agronomy. Confirmatory research and results routine cultivar or agronomy trials in which there are no identified biological processes will not normally be considered for publication. Modelling studies have to be informative and innovative and used to illustrate important generic issues facing agronomy. Studies in which a model is only tested against observed data for its goodness-of-fit are not generally welcome. Field experiments need to be either multi-locational or multi-year and normally three at least and be accompanied by appropriate statistical analysis. Glasshouse experiments are only accepted in exceptional circumstances. Review articles are normally written on invitation from the Editor-in-Chief. Authors intending to prepare review papers for the Journal are advised to consult the Editor-in-Chief before writing their reviews. Forthcoming special issues are focusing on uncertainty analysis in models and the status of non-renewable resources in agriculture.

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