

(III) CABI

Editorial Directory – June 2021

Aims and Scope



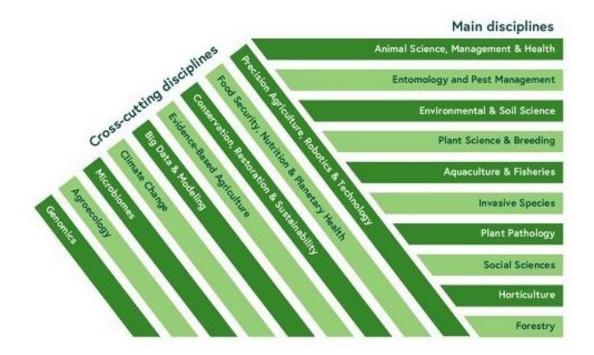


Global agriculture faces many challenges today, including how to produce safe and sustainable food supplies while reducing greenhouse gasses and protecting planetary health. *CABI Agriculture and Bioscience (CABI A&B)* was created to help address these challenges by publishing high quality, rigorously peer-reviewed research focused on agriculture, food security, and the environment, and by creating a publishing space for highly transdisciplinary research.

CABI A&B is aligned with CABI's mission of improving people's lives worldwide by providing information and applying scientific expertise to solving these multifaceted problems. The journal is fully open access and committed to encouraging an inclusive culture of scientific discussion and rapid information sharing. It adheres to all international standards and practices for high level scientific journals.

Our Editorial Board includes top researchers from around the world and reflects the broad array of scientific disciplines and global diversity of expertise, perspectives, and approaches used to evaluate the complex topics we cover. Editors encourage submissions of both large and

incremental advances in science in both primary and cross-cutting disciplines, ranging from the biosciences to agriculture, social sciences, and the environment. In March of 2021, our expanding editorial board included 127 experts – including 43 women—covering 19 areas of primary and transdisciplinary studies, representing 35 different countries. Our journal sections include



- This directory has been compiled to support the Editorial Board of CABI Agriculture and Bioscience in becoming a coherent community of interdisciplinary scholars and reviewers.
- The Directory is searchable and should be used by Editors to identify other editors on our highly interdisciplinary Board who have expertise in areas discussed in manuscripts and to draw on each other as reviewers.
- Every Editor on the board is registered in the journal peer-review system as a reviewer and should be used as such whenever appropriate.
- The Directory will be updated several times a year as new Editors join the Board.

Please direct questions and comments to p.benson@cabi.org

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Editorial Board Leadership - Regional Editors in Chief



Niklaus Grünwald Chair, Editorial Board Regional Chief Editor – North America



Pablo Marquet
Regional Chief Editor –
South America



Rajeev Varshney
Regional Chief Editor –
South Asia



Wenbin Wu Regional Chief Editor – Asia Pacific

Editorial staff



Dylan ParkerPublisher, Springer
Nature, BMC



Kerri BrownJournal Development
Editor, Springer Nature,
BMC



Andy Robinson Managing Director, Publishing – CABI



Philippa Benson Managing Editor

CABI Agriculture and Bioscience is the official journal of CABI, co-managed by BMC part of Springer Nature.





Agroecology

This section covers research investigating how ecological principles and processes can be applied to improve agricultural production systems. We will consider studies of new and revised approaches to building and managing agricultural ecosystems including organic, integrated, or conventional, intensive or extensive, new management approaches.

Editor Name	Email	Areas of Expertise
SECTION EDITOR TBD		
Christian Borgemeister University of Bonn Germany	cb@uni-bonn.de	Agroecology, biological control, integrated pest management, vector control of infectious diseases, malaria, one health
Marcia DeLonge Union of Concerned Scientists Food & Environment Program USA	mdelonge@ucsusa.org	Agroecology, sustainable agriculture, soil science, soil health, climate change adaptation & mitigation, biogeochemistry, resilience, policy, grazing management, food security, sustainable diets, life cycle assessments, modelling

Animal Science, Management and Health

Editors of this section welcome all manuscripts on fundamental or applied research related to studies of any animal species under human management, including wildlife. Editors have strong interest in studies related to genetics, physiology, immunology, nutrition, disease, molecular, and cellular science, and welcome work addressing issues in animal management or work exploring the preparation, use, or distribution of foods derived from animal sources. The journal supports the One Health Concept reflecting a shared biology at the intersection of human, animal, and environmental health and welcomes multidisciplinary research exploring links between agricultural sciences and other fields.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Peter Hansen University of Florida USA	pjhansen@ufl.edu	Livestock and Animal Science, climate change, reproductive biology, reproductive technologies, developmental biology, environmental physiology, genetics, thermal biology, embryology
Ryan Dilger University of Illinois at Urbana-Champaign USA	rdilger2@illinois.edu	Livestock and Animal Science, Food security and nutrition, Evidence-based agriculture, microbiomes, big data, robotics and precision agriculture pig, broiler chicken, amino acid, biochemistry, health, pediatric nutrition, brain development, immunology, neuroscience
Ermias Kebreab University of California, Davis USA	ekebreab@ucdavis.edu	Animal production, sustainable agriculture, methane, greenhouse gases, feed additives, meta-analysis, seaweed, mitigation, energy and nutrient utilization/requirement models in cattle, swine and poultry, environmental sustainability.
Joanna Lindahl Uppsala University Kenya	J.Lindahl@cgiar.org	Livestock and animal science, emerging infectious diseases, vector-borne diseases, zoonotic diseases, food safety, food security
Graeme Martin University of Western Australia Australia	graeme.martin@uwa.edu.au	Evidence-based agriculture, livestock and animal science, reproduction, neuroscience, physiology, endocrinology, behaviour, metabolic endocrinology, nutrition and reproduction, pheromones, ethical animal production, future farming systems, world food production
Sofia Ortega University of Missouri USA	ortegaobandom@missouri.edu	Livestock and animal science, bovine reproductive physiology, embryology, animal production, genetics, genomics
Marcos da Silva Brazilian Agricultural Research Corporation Brazil	marcos.vb.silva@embrapa.br	Livestock and animal science, milk production, dairy cattle, animal models, quantitative trait loci, restricted maximum likelihood, genomics, bioinformatics
Carina Visser U of Pretoria South Africa	carina.visser@up.ac.za	Animal breeding and genetics, Biodiversity, Population genetics, Molecular breeding, Indigenous breeds, Small stock, Beef cattle, Smallholders
Kun Zhang Zhejiang University China	kzhang@zju.edu.cn	Livestock and animal science, developmental biology, reproductive physiology, embryology, oocyte, chromatin, epigenetics, genome editing, cattle, pig, fertility, reprogramming

Aquaculture and Fisheries

Editors of this section welcome all manuscripts related to aquaculture and fisheries whether farmed or in the wild, in both fresh water and ocean environments. We are interested in studies involving the breeding, rearing, and harvesting of animals and plants in all types of water environments as well as studies related to conservation, ecology, sustainability studies as well as implications for marine mammals, endangered species, and their habitats.

Editor Name	Email	Areas of Expertise
SECTION and ASSOCIATION EDITORS	Forthcoming	

Big Data and Modelling

Editors of this section welcome manuscript that present novel findings that advance current knowledge on how large and comprehensive datasets, models, and decision support systems foster the development of a more sustainable agriculture to effectively address climate change challenges. Authors are specially encouraged to present studies that demonstrate their use on the optimum design and monitoring of nature-based solutions in agriculture. Editors have strong interest in studies related to advances in sensor technology, data analytics, remote sensing, robotics, and artificial intelligence and how these tools are being applied in the current revolution of digital agriculture.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Francisco Meza Pontifical Catholic University of Chile	fmeza@uc.cl	Big data and modelling impacts of global change on agriculture, forest and water resources, adaptation strategies
Rebecca Darbyshire CSIRO Australia	Rebecca.Darbyshire@csiro.au	Climate change, horticulture, phenology, winter chill, seasonal climate, climate risk, climate change adaptation, forecasts
Delphine Deryng Humboldt University Germany	deryngde@hu-berlin.de	Climate change, food security and nutrition, climate policy, adaptation, mitigation, agroforestry, global gridded crop model
Lav Ojiewo Washington State University USA	lav.khot@wsu.edu	Agricultural automation, remote sensing, aerial systems, ground-based crop sensing, decision-support systems, precision agriculture and production machinery and processes, databased modelling
Fulu Tao Chinese Academy of Science China	taofl@igsnrr.ac.cn	Global change impacts, agrosystem modelling, multisource data, crop prediction, remote sensing data

Climate change

CABI A&B climate change sections aims to publish research on the nature, causes and impacts of global climate change ranging across the natural and social sciences. Studies on terrestrial and aquatic ecosystems, as well as interdisciplinary studies are welcome.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Zhu Liu Tsinghua U. China Harvard U., USA	zhuliu@tsinghua.edu.cn	Carbon emission, sustainability science, industrial ecology, earth system science, global caron budget, air pollution, energy policy
Emily Black University of Reading UK	e.c.l.black@reading.ac.uk	Climate change, big data, modelling, environmental and soil science, hydrological cycle & hazards, Land-atmosphere interactions, African climate, rainfall monitoring, user-driven knowledge exchange
Anping Chen Colorado State University USA	anping.chen@colostate.edu	Vegetation dynamics, ecosystem ecology, global change ecology, carbon cycle
Hongyan Liu Peking University China	lhy@urban.pku.edu.cn	Vegetation dynamics, dryland vegetation, palaeoecology, dendroecology
Jiafu Mao Oakridge National Lab USA	maoj@ornl.gov	Climate change, Land-atmosphere interactions, Carbon-climate feedbacks, Earth system modeling
Miaogen Shen Beijing Normal University China	shenmiaogen@bnu.edu.cn	Global change ecology, vegetation remote sensing, climate change, phenology
Cong Wang Beijing Normal University China	wangcong01@caas.cn	Climate change, precipitation
Zhenzhong Zeng Southern University of Science and Technology China	zengzz@sustech.edu.cn	Earth system science, biosphere-atmosphere interaction, hydrological cycles

Conservation, Restoration and Sustainability

Editors of this section welcome manuscripts addressing broad and interdisciplinary issues of sustainability, ecological restoration, and conservation across ecosystems and human enterprises. We are particularly interested in manuscripts reporting new evidence, theoretical insights and potential solutions for restoration, conservation, and sustainability practices. Editors welcome submissions aimed at topics such as connecting above and below ground processes, understanding and steering biogeochemical cycles, assessing and planning for ecosystem services, managing landscapes for production and conservation.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Pablo Marquet Pontifical Catholic U. of Chile	pmarquet@bio.puc.cl	Conservation biology, biodiversity, climate change, nature-based solutions, theoretical ecology, macroecology
Leslie Brown U. of South Africa South Africa	Irbrown@unisa.ac.za	Plant science, phytosociology, vegetation mapping, vegetation management, alien invasive plant species, restoration, succession, nature conservation, biodiversity
Ek del-Val National Autonomous U. of Mexico Mexico	ekdelval@cieco.unam.mx	Entomology and pest management, invasive species, agroecology, sustainability, conservation and restoration. maize agriculture, insect pests, plant-animal interactions, native biocontrol, restoration ecology, plant-herbivore networks, tropical ecology
Elisabetta Gotor Alliance b/t Biodiversity International and CIAT Italy	e.gotor@cgiar.org	Agricultural economics, impact assessment, evaluation, foresight analysis food security, agrobiodiversity, qualitative/quantitative methods of analysis
Esteban Jobbágy National U. of San Luis Argentina	jobbagy@gmail.com	Water cycling in agricultural systems, technological changes, ecology, agronomy, biogeochemistry, ecohydrology, land use change, flooding and salinization processes, South American croplands, farmers and policymaker engagement, grain producing systems, local social and economic contexts, remote sensing
Ana Isabel Moreno-Calles Spanish National Research Council Mexico	isabel_moreno@enesmorelia .unam.mx	Environmental science, training, agroforestry, ethnoecology, sequence stratigraphy, climate change, geochemistry, family agriculture, urban and peri-urban transdisciplinary research
Simoneta Negrete- Yankelevich Institute of Ecology Veracruz, Mexico	simoneta.negrete@inecol.mx	Agroecology, food security and nutrition, soil fertility, family agriculture, traditional polycultures, native crops, crop diversification, soil biota, mycorrhizal symbionts
Victor Sadras South Australian Research and Development Institute Australia	victor.sadras@sa.gov.au	Food security Crop ecophysiology, water, nitrogen, temperature, ecology, evolution
Andres Etter	aetter@javeriana.edu.co	

Entomology and Pest Management

Original research and review articles investigating various aspects of general and applied entomology and parasitology are welcome. In particular, authors are encouraged to submit their works on: field validation of sustainable pest management strategies, development of new pest control tools, target impact of modern pesticides and their side effects on non-target organisms (e.g., natural enemies and pollinators), multi-trophic interactions among organisms of natural and artificial ecosystems, arthropod physiology, behaviour and invasion processes. Interdisciplinary research including crossing multiple journal sections, are preferred.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Antonio Biondi U. of Catania Italy	antonio.biondi@unict.it	Entomology and pest management, invasive insect pests, pesticide toxicology, biological control, integrated pest management, biopesticides
Gianfranco Anfora University of Trento Italy	gianfranco.anfora@fmach.it	Entomology and pest management, invasive species, integrated pest management, biological control, semiochemicals
Julian Chen Chinese Academy of Agricultural Sciences China	chenjulian@caas.cn	Wheat insect pest biology, area-wide occurrence regularity, mechanism of chemical communication, wheat- pest insects, wheat aphid resistance, germplasm resources, behavior and ecological manipulation, push-pull strategies, ipm key technology
Alessandro Cini U. College London UK	cini.ales@gmail.com	Zoology, social behaviour, animal communication, social insects, biological invasions
Nicolas Desneux National Institute of Agricultural Research France	nicolas.desneux@inra.fr	Ecology, entomology, biological control, ecotoxicology, community ecology, integrated pest management, pesticides, sublethal effects, hormesis, gm crops, bt
Adeney de Freitas- Bueno Embrapa Soybean Brazil	adeney.bueno@embrapa.br	Integrated pest management (with emphasis in soybean and maize), biological control (with emphasis in egg parasitoids - scelionidae and trichogrammatidae), chemical control (rational use and biological control selectivity).
Khalid Haddi Federal U. of Lavras Brazil	khalid.haddi@ufla.br	Entomology and pest management, ecotoxicology, selectivity and insecticide resistance, insect molecular biology, botanicals
Meritxell Pérez Hedo Valencian Institute for Agricultural Research Spain	perez merhed@gva.es	Entomology and pest management, zoophytophagous predators, biological control, insect plant interaction, crop protection
James Legg International Institute of Tropical Agriculture Tanzania	J.Legg@cgiar.org	Cassava viruses, field epidemiology, virusvector interactions, host plant resistance, field surveillance, vector population dynamics/bionomics, vector-natural enemy interactions, biological control, cultural approaches for virus management.

Ramzi Mansour U. of Carthage Tunisia	ramzi_mansour82@yahoo.co.uk	Biological and biotechnological pest management, chemical control, ecotoxicology, insect chemical and behavioral ecology, invasive arthropods,tuta absoluta, fruit flies, scale insects, mealybugs, thrips, predatory beetles egg parasitoids, grapevine & citrus pest management
Jose Parra U. of Sao Paulo Brazil	jrpparra@usp.br	Sustainability, conservation, ecological zoning, perileucoptera coffeella, bioecology, agricultural entomology, biological control and integrated pest management
Michele Potrich Federal University of Technology Brazil	profmichele@gmail.com	Entomology and pest management, parasitoid, selectivity, honey bee, entomopathogens, insecticide plants, toxicology, biological control, insect-pest
Joan Van Baaren University of Rennes France	Joan.van-baaren@univ- rennes1.fr	Sustainability, conservation, ecological zoning, perileucoptera coffeella, bioecology, agricultural entomology, biological control and integrated pest management
Houston Wilson U. of California, Riverside USA	houston.wilson@ucr.edu	Entomology and pest management, agroecology, sustainability, restoration and conservation, orchards, vineyards, cover crops, biological control, landscape ecology, habitat diversification, mating disruption, sterile insect technique, population ecology, insect movement and dispersal, organic agriculture
Feng Zhang CABI China	f.zhang@cabi.org	Entomology and pest management, invasive species, biological control, ipm, agricultural insect pests, parasitoids, insect chemical ecology, plant-insect interactions, host specificity of biocontrol agent, insect rearing

Environmental and Soil Science

Editors of this section welcome all manuscripts on fundamental or applied research related to the study of soils anywhere on the planet. We welcome studies of soil health, soil degradation, properties of soils and the study of uses for and management of soil in any agricultural or ecosystem settings worldwide. Acceptable research topics range from studies of soil contamination, degradation, health, and remediation to site assessment and function, erosion control, land treatment of wastewater and stormwater, restoration of wetlands, nutrient management, bioremediation, soil microbes, or soil assessments in land-use planning. The journal is currently recruiting for a Section Editor for this group.

Editor Name	Email	Areas of Expertise
SECTION EDITOR	Forthcoming	
Tilahun Amede Alliance for a Green Revolution in Africa (AGRA), International Livestock Research Institute (ILRI) Ethiopia	TAmede@agra.org	Crops, drought resistance, conservation practices, soils and watershed management, crop-livestock farming systems
Jing Li Chinese Academy of Science China	jingli@igsnrr.ac.cn	Environment and soil science, Agricultural pollution characteristics and prevention: non-point source pollution, nitrogen reservoir, nitrogen behavior in deep vadose zone, isotope tracing, heavy metal pollution and prevention.
Radha Prasanna Indian Agricultural Research Institute India	radhapr@gmail.com	Agroecology, biofertilizers, biofilms, biofortification, cyanobacteria, carbon sequesteration, microbial inoculants, nutrient mobilization, micronutrient enrichment, biocontrol agents, rhizosphere microbial communities, phyllosphere microbiome, nutrient soil-less media, composts, soil health, evidence-based agriculture, microbiomes, horticulture
Marcela Quintero Tabares International Center for Tropical Agriculture (CIAT) USA	m.quintero@cgiar.org	Climate change, evidence-based agriculture, sustainability and conservation, food security

Evidence-based Agriculture

An evidence synthesis follows a structured a-priori methodology that is designed to gather existing research evidence to answer a question. This section covers evidence syntheses that collate, summarize, and synthesize scientific research using structured a-priori methodologies. We accept systematic reviews and systematic maps that follow robust and repeatable methodologies for any topic within the journal's scope. We do not publish review protocols, but expect authors to have followed an a-priori protocol*

Editor Name	Email	Areas of Expertise
SECTION EDITOR Nicola Randall Harper Adams U. UK	nrandall@harper-adams.ac.uk	Evidence-based agriculture, agroecology, evidence synthesis methodologies, systematic review & mapping, sustainable agriculture, ecosystem service conservation ecology, biodiversity. invertebrate ecology

Food Security, Nutrition and Planetary Health

Editors of this section welcome manuscripts addressing issues of food security that are grounded in holistic views of planetary health and that reflect intersectional concerns of social equity, environmental sustainability, and challenges posed by global climate and socio-economic change. We encourage submissions of rigorous study on a broad range of relevant topics including improving production practices, reconfiguring global agricultural economic and trade structures, improving diets, reducing waste, and creating shock resistance in food supply chains. Editors particularly welcome interdisciplinary approaches to evaluating potential trade-offs and synergies between these dimensions.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Sonali McDermid New York University USA	sps246@nyu.edu	Food security, climate dynamics, land use, agriculture, agro-ecosystems, sustainable development
Andrew Reid Bell Boston University USA	bellar@bu.edu	Mobile phone-based Surveys, behavioral experiments, agent-based models, livelihoods decision-making, agricultural development, water management, migration
Frank Davenport U. of CA Santa Barbara (UCSB) USA	frank davenport@ucsb.edu	Food security and nutrition, climate change, big data and modelling, evidence-based agriculture, social sciences, public health, forecasting and predictive modelling, child malnutrition, spatial econometrics
Kathryn Grace University of Minnesota USA	klgrace@umn.edu	Climate change, social sciences, food security and nutrition, environmental sociology, demography and population studies, quantitative data analysis, advanced statistical modelling, qualitative methods
Ibrahima Hathie IPAR Senegal	ihathie@ipar.sn	Food security, climate change impact, trade- off analysis, sustainable food systems, smallholder agriculture, social sciences, value chain analysis, agricultural policy
David Kanter New York University USA	david.kanter@nyu.edu	Nitrogen pollution, food security, sustainable development
Dilys MacCarthy University of Ghana Ghana	dsmaccarthy@gmail.com	Soil fertility, crop modeling, climate change, plant nutrition
Patricia Masikati World Agriforestry Zambia	P.Masikati@cgiar.org	Forestry/farming integration tree-crop- livestock modelling, system analyses, tree cover agroforestry, value chain innovation, sustainable agriculture, integrated land management, smallholder farming systems
Pinki Mondal University of Delaware USA	mondalp@udel.edu	Sustainability and conservation, forestry, climate change, big data, food security and nutrition, remote sensing, GIS, environmental geography
Michael Joseph Puma Earth Institute, Columbia U. USA	mjp38@columbia.edu	global food security, climate change, modelling, agroecology, evidence-based agriculture, robotics and precision agriculture, hydroclimatology, human migration, socioeconomic systems, non-predictable extremes

Navin Ramankutty U. of British Columbia Canada	navin.ramankutty@ubc.ca	Sustainable food systems, global data analysis, global modelling, climate change, global environmental change, environmental impacts of agriculture, land use
Roberto Valdivia Oregon State University USA	Roberto.valdivia@oregonstate.ed u	agricultural production systems, Impact assessment, trade-off analysis, impacts of policy and technologies, climate change impacts, adaptation and mitigation. Economics carbon sequestration. developed and developing countries.
Chaoqing Yu Tsinghua University China	chaoqingyu@yahoo.com	Food security, water resources, nitrogen cycle, water pollution, ecosystem services, agroecosystems, modelling

Forestry

Editors of this section welcome a broad range of basic and applied research related to studies of forests and forestry. Our editors are interested in research related to creating, managing, harvesting, conserving and repairing forests, woodlands, and associated resources, including those from biological, physical, social, political, and managerial perspectives. The Forestry section will consider, for example, studies involving forest technology, inventories and biometrics, agroforestry, fire management, forest health, forests impacts on climate and carbon, recreation and wilderness management. In addition, Editors of this section have particular interest in studies with specific implications for agriculture and food production.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Alexia Stokes National Research Institute for Agriculture, Food, & Environment France	alexia.stokes@cirad.fr	Forestry, natural hazards, erosion, landslides, biophysics, root-soil interactions, carbon, functional traits, disturbance, agroforestry, ecosystem, services, urban forestry, ecological engineering
Dolors Armenteras National University of Columbia Columbia	darmenterasp@unal.edu.co	Fires, landscape ecology, deforestation, forest fragmentation, Colombian Amazon, landscape ecology, conservation biology
Yayha Kooch Tarbiat Modares University Iran	yahya.kooch@yahoo.com	Soil ecology, Soil biology, Soil fertility, Biogeochemistry, Pedodiversity, Litter quality, Land use/cover changes, Forestry, Humus forms, Plant and soil, Geostatistics
Junwei Luan International Centre for Bamboo and Rattan (ICBR), China	junweiluan@126.com	Forestry, Soil nutrients cycling, Soil organic carbon, Climate change, Ecosystem function, Biodiversity, Plant soil interactions, Greenhouse gas emissions, Forest soil, Ecological process, Rhizosphere, Soil microbes, Biogeochemical cycles
Anastasia Pantera Agricultural University of Athens Greece	pantera@aua.gr	Agroforestry, forest soils, forest ecology, silviculture, Forest ecology, ecosystems ecology, climate changes, natural resource management,
Frederique Reverchon Advanced Molecular Studies Network Mexico	frederique.reverchon@inecol.mx	Plant-soil-microorganism interactions: rhizospheric microorganisms, mycorrhizae, nitrogen-fixing bacteria. Soil microbial ecology: diversity and function of microbial communities in agricultural and forest soils.

Genomics

Editors of this section welcome research articles focused on agricultural genomics, genetics, molecular biology, with emphasis on their applications in agriculture improvement, contributing towards zero hunger and better nutrition. Authors are encouraged to submit original manuscripts providing novel insights and approaches advancing current understanding of the global scientific community on genomics and its applications for agriculture. Innovative ideas on novel genetic methods and resources, including sequencing and genotyping technologies, bioinformatics, computational biology are also welcome that provides better understanding of genomic data analysis and its applications for agriculture.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Rajeev Varshney International Crops Research Institute for the Semi-Arid Tropics India	R.K.Varshney@CGIAR.ORG	Food security and nutrition, plant science and plant breeding, genomics, genetics, molecular breeding
Noelle Anglin International Potato Center Peru	n.anglin@cgiar.org	Genomics, Food security and nutrition, plant science and plant breeding, roots and tubors, genomics, genetics, conservation
Jacqueline Batley U. of Western Australia Australia	jacqueline.batley@uwa.edu.au	Genomics, plant pathogen interactions, brassica, population studies, evolutionary genomics, crop genomics, genome sequencing, genetic mapping, GWAS
Sabhyata Bhatia National Institute of Plant Genome Research India	sabhyatabhatia@nipgr.ac.in	Structural and functional molecular genetics and genomics, molecular biology and breeding seed and nodule development, NGS technologies
Abhishek Bohra ICAR-IIPR Kanpur India	abhi.omics@gmail.com	Plant genetics, agronomy, molecular breeding, DNA molecular-marker tools, crop production, drought tolerance
Awais Khan Cornell University USA	awais.khan@cornell.edu	Plant science and breeding, plant genomics, quantitative genetics, marker-assisted breeding, disease resistance, abiotic stress tolerance, sustainable crop production, food security, plant pathology
Hon-ming Lam Chinese U. of HK China- Hong Kong	honming@cuhk.edu.hk	Crop genomics, crop epigenomic, agrobiotechnology, climate-smart agriculture, plant-environment interaction, symbiotic nitrogen fixation
Suk Ha Lee Seoul National U. Korea	sukhalee@snu.ac.kr	Genome assembly data, soybean molecular breeding and physiology, agronomy, biotechnology, crop science
Raluca Mateescu University of Florida USA	raluca@ufl.edu	Livestock and animal science, genomics, climate change, food security and nutrition, molecular genetics, meat quality, thermotolerance, internal parasitism, beef, sheep, goat
Zeba Seraj University of Dhakar	zebai@du.ac.bd	Climate Change, genomics, microbiomes, Plant Science & Breeding

Bangladesh		
Yingjia Shen Xiamen University China	shenyj@xmu.edu.cn	Genomics, big data, plant science and breeding, Sequencing and assembling of genome and transcriptome, Comparative genomics, Xiphophorus Genetic Stock, bioinformatics research.
Catherine Ziyomo ILIR – CGIAR Kenya	c.ziyomo@cgiar.org	plant genetics, agronomy, molecular breeding, DNA molecular-marker tools, crop production, drought tolerance

Horticulture

Editors of this section welcome manuscripts focused on horticulture sciences ranging from studies of fruits, vegetables, and ornamental plants at small-to-large farming levels in all climates. We encourage submissions on all aspects of horticultural crops from germplasm, genetics, genomics and biotechnology to plant physiology, propagation, crop management and plant interaction with environment and cultivation systems. Editor will evaluate research related to pre-harvest and post-harvest factors that determine fruit sensorial and nutritional quality and welcome cross-disciplinary work related to socioeconomic impacts of horticulture in promoting rural development and sustainability of small and urban farming.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Bruno Mezzetti Marche Polytechnic U. Italy	b.mezzetti@staff.univpm.it	Horticulture, plant science and breeding, plant biotechnology and biosafety, cultivation systems, sustainability, resilience
Franco Capocasa Madrid Polytechnic U. Italy	f.capocasa@staff.univpm.it	Plant science & breeding, Food security & nutrition, breeding programs, fruit quality, nursery, rootstock, water management, antioxidant capacity, phenolic compounds
Ibrahim Kahramanoglu University of Lefke Turkey	ikahramanoglu@eul.edu.tr	Postharvest biology/technology/ handling/ physiology, Food science and technology, Fruits' defense mechanism, Food quality and Food safety, Sustainable horticulture, Fruits and vegetables, Precision agriculture
Luca Mazzoni Marche Polytechnic U. Italy	l.mazzoni@staff.univpm.it	Nutrition, antioxidants, sensory analysis, flavonoids, fruit quality, polyphenols, phenolic compounds, anthocyanins, micronutrients, human health, vitamin C, folates
Alba Mininni University of Basilicata Italy	alba.mininni@unibas.it	Horticulture, plant ecophysiology, irrigation and water management, plant nutrition, soil fertility, water reuse, plant and soil microbiome
Lynette Morgan Suntec International Hydroponic Consultants New Zealand	Suntec92@gmail.com	Horticulture, hydroponics, soilless cultivation, nutrient metrics, biowave technology
Maina Mwangi Kenyatta University Kenya	Maina.mwangi@ku.ac.ke	Plant pathology, epidemiology, fungi, bacteria, viruses, vectors, seed health, microbiology, pesticides, biocontrol, IPM
Sonia Osoria University of Malaga Spain	sosorio@uma.es	Plant Science and breeding, fruit metabolism, plant development, OMICS, metabolomics, transcriptomics, fruit quality, regulation
Bruce Schaffer University of Florida USA	bas56@ufl.edu	Ecophysiology, subtropical and tropical fruit crops, leaf gas exchange, sap flow, water relations, flooding, trees, sub/tropical horticultural plants (leaf gas exchange, water relations), insect/plant interactions
Christina Silva Portuguese Catholic U. Portugal	clsilva@porto.ucp.pt	Technology, modelling, food quality, food safety, kinetics, thermal processes, non-thermal processes, predictive microbiology, fruits and vegetables, sustainable food processes

Anita Sønsteby Norwegian Institute of Bioeconomy Research Norway	Anita.sonsteby@nibio.no	Climate change, horticulture, plant science and breeding, plant physiology, environmental signals and plant development, flowering physiology, plant growth and development, fruit and berry species, fruit quality
Jill Stanley N Institute for Plant and Food Research New Zealand	Jill.Stanley@plantandfood.co.nz	Horticulture, perennial crop physiology and productivity, fruit physiology and fruit quality, fruit postharvest physiology, environmental effects on perennial fruit crops, orchard growing systems, precision horticulture, climate change effects on horticultural crops, fruit crop breeding
Jose Vallarino University of Málaga Spain	vallarino@uma.es	Plant science and breeding, metabolomics, genomics, postharvest, biomarkers, sensory analysis, fruit quality, fruit ripening, breeding, hormones, metabolic profiling, mass spectrometry

Invasive Species

Editors of this section welcome manuscripts exploring all aspects of biological invasions and have special interest in work that emphasizes economically important species, be those invasive themselves, or the impact of invasive species have on them. The editors encourage submissions of all research investigating biological invasions that threaten biodiversity, ecological functioning, ecosystem services, and food security with no geographical or organismic restrictions. Submissions are encouraged covering studies that focus on quantifying the effect of invasions—biological, financial, social, or beyond—be that modelling of hypothetical situations or documenting impacts of detected invasions.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Gabor Lövei Aarhus University Denmark	gabor.lovei@agro.au.dk	Agroecology, invasive species, invasion ecology, arthropod conservation, biological control, beneficial arthropods, ground beetles, food webs, community ecology, habitat management, conservation biocontrol.
Rene Eschen CABI Switzerland	r.eschen@cabi.org	Invasive species, agroecology, entomology and pest management, environmental and soil science, forestry, plant pathology, grassland ecology, border biosecurity
Ezequiel Gonzalez Institute for Environmental Sciences Czech Republic	gonzalez@uni-landau.de	Entomology and pest management, biological control, ecosystem services, landscape ecology, biodiversity, community ecology, spillover, movement ecology, conservation, non-crop habitats, soybean, predation, parasitism
Philip Hulme Lincoln University New Zealand	Philip.Hulme@lincoln.ac.nz	invasive species ecology,conservation and biodiversity ,population ecology,evolutionary biology, biogeography & phylogeography, crop and pasture protection (pests, diseases and weeds)
Balázs Kiss Plant Protection Institute, Centre for Agricultural Research Hungary	kiss.balazs@agrar.mta.hu	Entomology and Pest management, Invasive species, Vectorology (Vectors of plant pathogens), Natural enemies, Experimental entomology, Hemiptera, Araneae, Drosophilidae
Viktor Markó Stephen University of Agriculture Hungary	marko.viktor@kertk.szie.hu	Agricultural entomology, pest management in fruit orchards, pests of urban trees, ecosystem services, invasive arthropods
António Soares University of the Azores Portugal	antonio.oc.soares@uac.pt	Entomology and pest management and invasive species, biological control, ecosystem services
Nian-wan Yang Chinese Academy of Agricultural Sciences China	yangnianwan@caas.cn	Invasive species, entomology and pest management, big data, insects, invasiveness, biological control, parasitoids
Tania Zaviezo Pontifical Catholic U. of Chile Chile	tzaviezo@uc.cl	Entomology and pest management, biological control, parasitoids, coccinellids, landscape, pheromones, fruit crops pests

Microbiomes

Editors of this section welcome a broad range of research related to studies of microbiotic components and communities in humans, animals, plants, soils, air, and water. We will consider studies of microbiomes that are natural or constructed, and from a broad perspective of microbiomes across farranging environmental conditions to focused studies of component microorganisms. Studies might include, for example, location- specific microbiome analyses, bioremediation, geomicrobiology, microbial interaction among plants and crops, extreme environment microbiology, microbiomes associate with plant or animal health, or astrobiology. Editors of this section have particular interest in studies with specific implications for agriculture and food production.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Leo van Overbeek WUR Plant Research International Netherlands	leo.vanoverbeek@wur.nl	Microbial ecology, plant-microbial interactions, microbiomes, endophytes, ecology, molecular biology, soil biology, microorganisms, ecogenomics, microbiology, food safety
Fiona Brennan Irish Agriculture and Food Development Authority Ireland	Fiona.Brennan@teagasc.ie	Microbiomes, Environmental and soil science. Microbial ecology, Agricultural management, Soil and plant microbiomes, Plant-Soil- Microbe interactions, Nutrient cycling, Greenhouse Gases, Enteropathogens, E. coli
Lise Korsten University of Pretoria South Africa	Lise.korsten@up.ac.za	Drug resistance Microbial loads, Escherichia coli, fresh produce, food storage, food safety, bacteria community dynamics
Jose Macia-Vicente WUR Plant Research International Netherlands	jose.maciavicente@wur.nl	Microbiomes, fungi, endophytes, roots, symbiosis, ecology, high-throughput sequencing, nematophagous fungi, entomopathogenic fungi, mycorrhizas
Michalis Omirou Agricultural Research Intitute Cyprus	m.omirou@cyi.ac.cy	Plant/microbiome interactions, terrestrial molecular microbial ecology, climate change quantitative PCR and next-generation sequencing, analytical chemistry (LC-MS ion trap) bioinformatics
Matt Ryan CABI UK	m.ryan@cabi.org	Microbiome, plant pathology, cryopreservation, soil biodiversity, phytobiomes, culture collections. biobanks, cbd, nagoya protocol, mycology, conservation
Joana Salles University of Groningen Netherlands	j.falcao.salles@rug.nl	Microbial diversity, community assembly, adaptation, functional diversity, ecosystem functioning
Adam Schikora Julius Kühn Institute (JKI) Institute for Epidemiology and Pathogen Diagnostics Germany	adam.schikora@julius-kuehn.de	Plant pathology, plant immunity, induced resistance, ahl-priming, quorum sensing, human pathogens, plant-pathogen interactions, salmonella

Plant Pathology

Editors of this section welcome all research on plant diseases and pathogenic agents in agricultural and horticultural crops, forest trees, and natural plant communities including studies of fungi, bacteria and phytoplasmas, viruses and viroids, microparasites, parasitic plants, and nematodes. Editors encourage submissions in all areas of plant pathology from molecular interactions between plants, pathogens, other microbiota and vectors, to the epidemiology and ecology of disease in field populations and diverse landscapes. We are particularly interested in work emphasizing multidisciplinary links with plant protection, plant breeding, crop management, food security, soil science, and environmental health more generally.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Michael Jeger Imperial College London UK	m.jeger@imperial.ac.uk	Plant pathology, plant disease epidemiology and modelling, plant trade networks, modelling biological control of foliar plant pathogens, ecology of disease in grasslands & declines and complex diseases of forest trees, plant virus epidemics, vector transmission biology, and plant health risk assessment, quantitative plant disease epidemiology, especially in relation to plant viruses, tree diseases, trade networks, and plant health policy.
Robert Beresford New Zealand Institute for Plant & Food Research Ltd New Zealand	Robert.Beresford@plantandfood.co.nz	Plant pathology, epidemiology, disease modelling, climate and weather, climate change, disease management, fungicide resistance, climate change, horticulture, forestry
Clive Bock US Department of Agriculture USA	clive.bock@ars.usda.gov	Plant pathology, epidemiology, population biology, integrated disease management, pcr, plant protection, plant pathology, crop protection, phytopathology, fungal biology, disease resistance, fungal diversity, mycotoxins, molecular mycology, fungal genetics, agricultural chemicals, forest pathology, aflatoxin, phytopathogenic fungi, sorghum, fungicides, glucosinolates
Nathan Brown Woodland Heritage UK	nathan@woodlandheritage.org	Forestry, plant pathology, epidemiology, sustainable woodland management ,disease surveillance, citizen science, surveillance and management of threats to ash treescapes, Acute Oak Decline, arboriculture landscape design
Adrian Fox Fera Science Ltd UK	Adrian.Fox@fera.co.uk	Plant pathology, plant virology, plant health, regulation, diagnostics, biosecurity, novel plant viruses, virus epidemiology, virus discovery, virus characterisation
Vladimiro Guarnaccia U. of Torino Italy	Vladimiro.guarnaccia@unito.it	Plant pathology, fungal diseases, phylogeny, characterization, emerging pathogens, diagnostic, fungicide resistance, management, stress factors
Adrian Newton James Hutton Institute UK	Adrian.Newton@hutton.ac.uk	Cereal pathology, agroecology, crop diversity, conservation tillage, sustainable arable farming systems, crop pathology and climate change
Antonio Vicent	vicent_antciv@gva.es	Plant pathology, modelling, epidemiology, risk assessment, disease management, fungal

Valencian Research Institute Spain		diseases, bacterial diseases, decision support systems, fungicides, exotic plant pathogens, surveillance, fruit crops
Xiangming Xu NIAB East Malling Research UK	Xiangming.Xu@emr.ac.uk	Population biology, plant disease epidemiology, plant disease management, disease biocontrol, microbial ecology, statistical modelling
Jonathan Yuen Swedish University of Agricultural Sciences Sweden	Jonathan.Yuen@slu.se	Plant pathology, plant breeding, food security, modelling, plant disease epidemiology, statistics
Silvia Restrepo	srestrep@uniandes.edu.co	

Plant Science and Breeding

Editors of this section welcome research on plant physiology, genetics, molecular biology, biochemistry and biotechnology, particularly with relevance to crop improvement for yield, biotic and abiotic stress tolerance, nutritional quality, processing properties and food safety. Editors encourage submissions in all areas in plant genetics, including the interaction of plant genetics with the environment, and how that influences the development of best practices for crop management and the development of crops that are resilient to climate change.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Nigel Halford Rothamsted Research UK	nigel.halford@rothamsted.ac.uk	Crop science, plant science, plant breeding, food security, food safety, plant physiology, abiotic stress, metabolic regulation, plant biotechnology, genetic modification and gene editing
Jesus Vicente Carbajosa Madrid Technical U. Spain	jesus.vicente@upm.es	Plant molecular biology, seed development, abiotic stress, gene networks, nitrogen, plant-fungal interactions
Patricia Coello National Autonomous U. of Mexico Mexico	pcoello@unam.mx	Plant science and breeding. phosphorus deficiency responses, plant signal transduction, plant protein kinases and protein phosphatases, carbon metabolism, abiotic stress responses
Antonio Figueira U. of Sao Paulo Brazil	figueira@cena.usp.br	Plant science and breeding, plant pathology, entomology and pest management, plant molecular biology, plant-pathogen interaction, RNA interference, plant genetic transformation, tropical plants, Theobroma, sugarcane
Tran Dang Khanh Agricultural Genetics Institute Vietnam	tdkhanh@vaas.vn	Plant Science, molecular breeding, plant protection, weed science, allelopathy, allelochemical, natural product, genetic diversity, biological activity, genetic and breeding, invasive plants, horticulture
Chenghong Liu Shanghai Academy of Agricultural Sciences China	liuchenghong@saas.sh.cn	Plant science and breeding, genetic improvement, agronomic traits, abiotic stresses, gene expression, cell culture, mutation, haploids, microspores, barley
Chris Ojiewo ICRISAT Kenya	C.Ojiewo@cgiar.org	Seed breeding, legumes, seed systems, integrated genomics, crop nutrition improvement
Penna Suprasanna Bhabha Atomic Research Centre India	penna888@yahoo.com	Agricultural biotechnology, plant genomics, plant tissue culture, plant stress physiology, mutation breeding, halophytes, phytoremediation, bioregulators
Gaurav Zinta CSIR-Institute of Himalayan Bioresource Technology India	gzinta@gmail.com	Climate Change Biology, Ecophysiology, Molecular Plant Biology, Genomics and Epigenomics, Chemical Genetics

Precision Agriculture, Robotics and Technology

Editors of this section welcome manuscripts addressing the theoretical, technical and application issues of digital or precision agriculture. We encourage submissions of original study on a broad range of relevant topics including data sensing, collecting, processing, fusion, mining and services. We are particularly interested in those studies that develops new technologies such as UAV, IOT, Artificial Intelligence, Blockchain, Robotics, and demonstrates their applications in agriculture. We also encourage the study providing applicable and low-cost solutions for small households' farming in developing countries for enhancing food security and poverty reduction.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Wenbin Wu Chinese Academy of Agricultural Sciences China	wuwenbin@caas.cn	Precision agriculture and robotics, big data, climate change, land use change, remote sensing, digital farming and orchard, crop mapping and monitoring
Sonoko Bellingrath- Kimura Leibniz Center for Agricultural Landscape Research Germany	Sonoko.Bellingrath- Kimura@zalf.de	Agronomy, Crop Science, Cropping systems, Decision support system, Ecosystem services, Legumes, Material, Nutrient and Nitrogen cycle, New field arrangement, Nitrogen fixation, Soil fertility,
Tao Cheng Nanjing Agricultural U. China	tcheng@njau.edu.cn	Robotics and precision agriculture, big data and modelling, crop management, crop monitoring, food security, data-model integration machine learning, plant phenotyping, productivity prediction, remote sensing, , unmanned aerial vehicle, vegetation mapping
Wei Guo Institute for Sustainable Agro-ecosystem Services U. of Tokoyo Japan	guowei@g.ecc.u-tokyo.ac.jp	Plant Phenotyping, image analysing, machine learning, deep learning, 3D reconstruction, UAV, proximal sensing for agriculture, precision agriculture
Wenjiang Huang Institute of Remote Sensing and Digital Each, CAAS China	huangwj@aircas.ac.cn	Remote sensing, GIS, variate rate fertilizer, water variate irrigation management, entomology and pest management and monitoring, disease monitoring, grass, forestry, food security and nutrition, crop distribution, crop growth monitoring, crop nitrogen content, crop leaf index climate change, soil moisture and nutrition
Dominik R. Klauser Syngenta Foundation Switzerland	dominik.klauser@syngenta.com	Plant pathology, sustainability and conservation, applied plant biology, technology transfer, field research/trials, applied research, agronomy, entomology and pest management
Michael Alan Reeve CABI UK	m.reeve@cabi.org	DNA template preparation, sequencing enzymology, magnetic beads, assay design, MALDI-TOF MS, species differentiation by mass spectroscopy
Beatrice Tarimo Ardhi University	betarimo@gmail.com	Agent-based models, climate change adaptation, community participation/engagement, disturbance, GIS,

		land use, remote sensing, smallholder agriculture, woodland management
Yang Li Shihezi University	liyang328@shzu.edu.cn	Agricultural electrification and automation, image processing
Adolph Nyamugama	NyamugamaA@arc.agric.za	

Social Sciences

Editors of this section welcome manuscripts exploring the socio-cultural, economic and behavioural dimensions associated with agricultural and bioscience innovations. We encourage work examining how innovations in global food security are mediated by social and institutional settings in developed and developing country, including their development, dissemination, adoption, and impact. We are interested in analyses that bring together diverse stakeholder perspectives and that inform policy and regulatory regimes for agricultural development. This section provides economic and social science perspectives for developing strategies for sustainable agriculture that address the global challenges of climate and environmental change and poverty.

Editor Name	Email	Areas of Expertise
SECTION EDITOR Chittur Srinivasan University of Reading UK	c.s.srinivasan@reading.ac.uk	Diet and nutrition transitions, agriculture- nutrition linkages, agricultural technology adoption, intellectual property rights in agriculture, genetic resource exchange and policies
Robyn Alders Australian National U. Australia	robyn.alders@anu.edu.au	Sustainable diets, sustainable food systems, household food and nutrition security, biodiversity, wildlife conservation, regenerative/agroecological agriculture, food safety
Jeffrey Alwang University of Virginiat USA	alwangj@vt.edu	Economics, agricultural development, poverty reduction, conservation agriculture, integrated pest management, technology adoption, impact assessment
Rosalind Cornforth University of Reading UK	r.j.cornforth@reading.ac.uk	Climate change, hydroclimatic variability in Africa, early warning systems, adaptation planning, climate resilient and sustainable livelihoods, climate services, climate information - visualization and use
Monica Kansiime CABI Kenya	M.Kansiime@cabi.org	Climate change, food security and nutrition, social sciences, adoption and impact studies, agricultural economics, value chains. market systems, seed systems, community, participation/engagement, development communication, extension
Mariella Marzano Forest Research UK	Mariella.marzano@forestresearch .gov.uk	Social sciences, invasive species, forestry anthropology, social forestry, interdisciplinarity, invasive species management, risk communication, behaviours research, evaluation
Peter May Federal Rural U. of Rio de Janeiro Brazil	peterhmay@gmail.com	Social sciences, economics, natural resource management, sustainable development, resource economics, agribusiness and forest product value chains
Giuseppe Nocella University of Reading UK	g.nocella@reading.ac.uk	Consumer demand and behaviour, farmer behaviour, attitudes, contingent valuation, willingness to pay for new products/technology, expectancy value and fear appeal models, food, food safety and nutrition policy
Henny Osbahr University of Reading UK	h.osbahr@reading.ac.uk	Food Security and Development, Addressing Poverty and Inequality, International Development, microfinance, women, rural livelihoods, behaviour change

David Rose University of Reading UK	d.c.rose@reading.ac.uk	Technology, social sciences, adoption, knowledge exchange, behavioural change, Robotics and precision agriculture, evidence-based agriculture (policy design and implementation
Melinda Smale University of Minnesota USA	msmale@msu.edu	Food security and nutrition, social sciences, farm input adoption, subsidies, GM crops, genetic resources, agricultural biodiversity, seed systems
Justice Tambo CABI Switzerland	j.tambo@cabi.org	Social sciences, impact assessment, food security and nutrition, economics of pest management, applied micro-econometrics, adoption of agricultural technologies, climate change adaptation

Primary Expertise Key Search Terms

3d reconstruction	bacteria	cell culture
abiotic stress	bacterial diseases	cereal pathology
abiotic stress responses	barley	characterization
acute oak decline	bee health	chemical control
adaptation	beef	chemical genetics
adaptation strategies	beef cattle	child malnutrition
addressing poverty inequality	behaviour	children's health
adoption impact studies	behaviour change	chromatin
adoption of agricultural technologies	behaviour ecological manipulation	citizen science
aerial systems	behavioural change)	citrus pest management
aflatoxin	behavioural ecology	clean & green ethical animal production
African climate	behavioural experiments	clean development mechanism
agent-based models	behaviours research	climate change
agents	arthropods	climate change adaptation
agricultural automation	big data	climate change biology
		climate change effects on horticultural
agricultural biodiversity	big data & modelling	crops
agricultural development	biobanks	climate change impact
agricultural development	biochemistry	climate change impacts
agricultural economics	biocontrol	climate change mitigation
agricultural entomology	biocontrol agents	climate dynamics
agricultural insect pests	biocontrol pesticides	climate information - visualization use
agricultural policy	biodiversity	climate policy
agricultural systems modelling	bioecology	climate risk
agricultural technology adoption	biofertilizers	climate services
agricultural trade the environment	biofilms	climate-smart agriculture
agriculture	biofortification	coccinellids
agriculture-nutrition linkages	biogeochemistry	community ecology
agrobiotechnology	biogeography	community participation/engagement
agroecology	bioinformatics	comparative genomics
agroecosystems	biological control	competition
agroforestry	biological invasions	composts
systems modelling	biomarkers	conservation
agronomic traits	biopesticides	conservation agriculture
agronomy	biophysics	conservation biocontrol
ahl-priming	biosafety	conservation biology
air pollution	biosecurity	conservation ecology
alien invasive plant species	biotechnology	conservation tillage
amino acid	border biosecurity	consumer behaviour
animal breeding genetics	botanicals	consumer demand
animal communication	bovine reproductive physiology	contingent valuation
animal models	brain development	cost-benefit analysis
animal production	brassica	cover crops
anthocyanins	breeding	crop distribution
antioxidant capacity	breeding programs	crop diversification
antioxidants	breeding seed	crop diversity
applied climatology	breeding selection methods	crop epigenomic
applied micro-econometrics	broiler chicken	crop genomics
applied plant biology	bt	crop leaf index climate change
applied research	capacity building	crop management
Araneae	carbon	crop mapping
area-wide occurrence regularity	carbon emission	crop monitoring
arthropod conservation	carbon metabolism	crop nitrogen content
ash treescapes	carbon sequestration	crop pathology climate change
assay design	cassava viruses	crop physiology
assessment	cattle	crop protection
attitudes	cbd	crop science

cropping systems	environmental science	fruit crop pests
	environmental signals plant	fruit crops
cryopreservation	development	
cultivation systems	environmental soil science	fruit defense mechanism
cultural approaches for virus & vector management.	environmental sustainability.	fruit flies
culture collections	epidemiology	fruit metabolism
curriculum development	epigenetics	fruit physiology
cyanobacteria	epigenomics	fruit postharvest physiology
dairy cattle	erosion	fruit quality
data-based modelling	ethics	fruit ripening
data-model integration	ethnoecology	fruits
decision support models for disease management	evaluation	functional traits
decision support systems	evidence synthesis methodologies	fungal & bacterial plant pathogens
deep learning	evidence-based agriculture	fungal biology
development communication	evolution	fungal diseases
developmental biology	evolutionary genomics	fungal diversity
diagnostics	exotic plant pathogens	fungal genetics
diapause	expectancy value	fungi
diet nutrition transitions	experimental entomology	fungicide resistance
digital farming orchard	extension	fungicides
disease biocontrol	factors determing fruit quality	future farming systems
disease management	family agriculture	gene editing
disease monitoring	farm input adoption	gene expression
disease resistance	farmer behaviour	gene networks
disturbance	farmers & policy-maker engagement	genetic improvement
diversity	fear appeal models	genetic mapping
dna template preparation	feed additives	genetic modification
drosophilidae	fertility	genetic resource exchange policies
early warning systems	fertilizer	genetic resources
earth system science	field epidemiology	genetics
ecogenomics	field research/trials	genome assembly data
ecohydrology	field surveillance strategies	genome editing
ecological engineering	financing of conservation units	genome sequencing
ecological impacts of climate change	flavonoids	genome transcriptome
ecological zoning	flooding	genomics
ecology	flowering physiology	genomics-assisted breeding
ecology of disease	folates	genotipic phenotipic characterization
economic development	foliar plant pathogens	geochemistry
economics	food	germplasm resources
economics of pest management	food insecurity	GIS
ecophysiology	food quality	global caron budget
ecosystem services	food safety	global data analysis
ecosystems	food science	global environmental change
ecotoxicology		
egg parasitoids	food security	global food security
099 parasitoras	food security food security & development	global food security global gridded crop model
embryology	food security & development	global gridded crop model
embryology emerging pathogens	food security & development food security & nutrition	global gridded crop model global modelling
embryology emerging pathogens endocrinology	food security & development food security & nutrition food technology	global gridded crop model global modelling glucosinolates
embryology emerging pathogens endocrinology endophytes	food security & development food security & nutrition food technology food webs	global gridded crop model global modelling glucosinolates GM crops
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gwas	kinetics	molecular plant biology
habitat diversification	knowledge exchange	movement ecology
habitat management	I-atmosphere interactions	multi-trophic interactions
haploids	ladybirds	mutagenesis
health	land slides	mutation
heavy metal pollution	land use	mycology
hemiptera	landscape design	mycorrhizal symbionts
high-throughput sequencing	landscape ecology	mycorrhizas
hormesis	landscapes	mycotoxins
Tiermosio	leading innovator in knowledge	myootoxino
hormones	exchange	Nagoya protocol
horticulture	leaf gas exchange	native biocontrol
host specificity of biocontrol agent	legumes	native crops
human health	life cycle assessments	natural enemies
human migration	life history traits evolution	natural hazards
human pathogens	livelihoods decision-making	nature conservation
hydroclimatic variability	machine learning	nature-based solutions
hydroclimatology	macroecology	nematophagous fungi
		networking advocacy in ulti-cultural
hydrological cycle	magnetic beads	settings
hydrological hazards	maize	neuroscience
hydroponics	malaria	new field arrangement
image analysis	maldi-tof ms	ngs technologies
immunology	managing large-scale interdisciplinary	nitrogen
impact assessment	marker-assisted breeding	nitrogen behavior in deep vadose zone
in planta	market systems	nitrogen cycle
indigenous breeds	mass spectrometry	nitrogen fixation
induced resistance	mating disruption	nitrogen pollution
industrial ecology	mealybugs	nitrogen reservoir
insect chemical ecology	meat quality	nodule development
insect chemical ecology	mechanism of chemical	nodule development
insect molecular biology	communication	non-crop habitats
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
insect movement dispersal	Mediterranean agricultural crops	non-predictable extremes
insect pests	meta-analysis	non-thermal processes
insect plant interaction	metabolic endocrinology	non-wood forest products
insect rearing	metabolic profiling	novel plant viruses
insects	metabolic regulation	nursery
integrated assessments	metabolomics	nutrient cycle
integrated disease management	methane	nutrient mobilization
integrated land management	methane mitigation	nutrition
integrated pest management	microbial ecology	nutrition policy
integrated pest management (ipm)	microbiology	omics
integration of genomic innovations in		
crop	microbiomes	one health
intellectual property rights	microfinance	oocyte
interactions	micronutrient enrichment	orchard growing systems
interdisciplinarity	micronutrients	orchards
internal parasitism	microorganisms	organic agriculture
international development	microspores	parasitism
invasion ecology	migration	parasitoids
invasive arthropod species	milk production	payment for ecosystem services
invasive arthropod species	mitigation	PCR
invasive artifopous	mobile phone-based surveys	pediatric nutrition
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invasive species management	modelling	
invertebrate ecology	molecular biology	pest management
invitro culture	molecular breeding	pest management in fruit
IPM	molecular cell biology	pest protection
IPM key technology	molecular genetics	pesticide toxicology
irrigation water management	molecular microorganism genetics	pesticides
isotope tracing	molecular mycology	pests of urban trees

phenolic compounds	population biology	seed health
phenology	population ecology	seed systems
pheromones	population genetics	selectivity & insecticide resistance
pheromones reproduction	population studies	semiochemicals
phosphorus deficiency responses	postharvest	sensorial nutritional quality
	postharvest biology/technology/ hling/	
phyllosphere microbiomes	physiology	sensory analysis
phylogeny	postharvest genomics	sequence stratigraphy
phylogeography	poverty reduction	sequencing
physiology	precision agriculture	sequencing enzymology
phytobiomes	precision horticulture	services
phytopathogenic fungi	predation	sheep
phytopathology	predatory beetles	small ruminants
phytosociology	predictive microbiology	small stock
pig	production machinery processes	smallholder agriculture
plant biotechnology	productivity prediction	smallholder farming systems
plant breeding	protein phosphatases	smallholders
plant development	proximal sensing for agriculture	snp
plant disease epidemiology	public health	social behaviour
plant disease epidemiology modelling	push-pull strategies	social forestry
plant disease management	QTL	social insects
plant ecophysiology	quantitative genetics	social sciences
ata ar a care de la ca	quantitative plant disease	
plant genetic transformation	epidemiology	socio-environmental certification
plant genetics	quantitative trait loci	socioeconomic systems
plant genomics	quorum sensing	soil biodiversity
plant growth	rainfall monitoring	soil biology
-1	reducing emissions from deforestation	
plant health	& forest degradation (redd +)	soil biota
plant health policy	regulation	soil fertility
plant health risk assessment	remote data	soil health
plant molecular biology	remote sensing	soil moisture
plant nutrition	reproduction	soil science
plant pathogen interactions	reproductive biology	soil-less media
plant pathology	reproductive physiology	soilless cultivation
plant pathology- epidemiology	reproductive technologies	sorghum
plant pathology- immunity	resilience	south American crops
plant phenotyping	restoration	soybean
plant physiology	restricted maximum likelihood	spatial econometrics
plant protection	rhizoanhara	species differentiation by mass
plant protection plant protein kinases	rhizosphere	spectroscopy spillover
•	rice	·
plant science & breeding	ripening risk assessment	statistical modelling
plant science & plant breeding plant signal transduction	risk communication	statistics
plant trade networks		sterile insect technique stress factors
piani trade networks	RNA interference	sub/tropical horticultural plants (leaf
plant virology	rnai	gas exchange
plant virology plant virus epidemics	robotics	sublethal effects
plant virus epidernics plant viruses	root-soil	subsidies
plant viruses plant-animal interactions	roots	subtropical tropical fruit crops
plant-environment interaction	rootstock	succession
plant-environment interaction plant-fungal interactions	rural livelihoods	sugarcane
plant-herbivore networks	salinity	surveillance
plant-insect interactions	salinity salinization processes	sustainability
plant-insect interactions plant-microbe interactions	salmonella	sustainability indicators
plant-pathogen interactions	sap flow	sustainability science
	scale insects	sustainable agriculture
planting breeding cycle mode	apolionidae triche arammetidae	augtainable arable formation and the man
policy	scelionidae trichogrammatidae	sustainable arable farming systems
	scelionidae trichogrammatidae seasonal climate	sustainable arable farming systems sustainable control of insect pests in agro-ecosystems

sustainable development	vitamin c
sustainable diets	voluntary forest carbon market
sustainable food processes	water cycling in agricultural systems
sustainable food systems	water management
sustainable horticulture	water pollution
symbiosis	water relations
symbiotic nitrogen fixation	water resources
system biology	water reuse
systematic review	water variate irrigation management
technological changes	watershed management
technology	weather
technology adoption	weed diseases
technology transfer	wheat aphid resistance
theobroma	wheat insect pests
theoretical ecology	wild rice
thermal biology	wildlife conservation
thermal processes	willingness to pay for new products/technology
thermotolerance	winter chill
thrips	women
tolerance	women's health
trade networks	woodland management
trade-off analysis	world food production
traditional polycultures	zoology
training	zoonytophagous predators
	zoopriytopriagous predators
transcriptomics transformation	
translational genomics for agriculture	
tree diseases	
trees	
tropical ecology	
tropical plants	
tuber roots	
tuta absoluta	
unmanned aerial vehicle	
urban forestry	
urban peri-urban transdisciplinary research	
value chain analysis	
value chains	
valuing biodiversity	
variate rate fertilizer	
vector control of infectious diseases	
vector molecular cassava viruses	
vector population dynamics/bionomics	
vector transmission biology	
vector-natural enemy interactions	
vectorology	
vectors	
vegetables	
vegetation management	
vegetation mapping	
vineyards	
virus characterisation	
virus discovery	
virus enidemiology	
virus epidemiology virus-vector interactions	