Description

*Industrial Crops and Products* is an International Journal publishing research on *cultivated plants* (crops) of *industrial interest* (non-food, non-feed). Papers concern both crop-oriented and bio-based materials research. It should be of interest to an international audience, *hypothesis driven*, and repeatable. Crops and products of interest include: fiber, forest, and energy crops, industrial oilseeds, rubber and resins, and cultivated medicinal and aromatic plants. The plant(s) in the manuscript must fit our definition of industrial crops, before it is classified further in research topics as indicated below.

Research on food, phytochemistry, ethnobotany, and medicine are not in the scope of the journal. Authors should make clear in the cover letter how the research fits our scope following the detailed scope description below.

The following are examples of research that fits within the scope of the journal:

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crops: fuel (bioethanol, biogas, syngas), biochar, chemicals, etc. Oils, fatty acids, biofuels (biodiesel, jet fuel, drop-in fuels), and chemicals derived from oilseed crops. Biologically active compounds: Insecticides, herbicides, fungicides, and pharmaceuticals (the species has to fit our definition of industrial crop; cultivated plants or plants with demonstrated potential to be cultivated with non-food purposes). Essential oils: inks, dyes, lubricants, perfumes, cosmetics, plastics, and other industrial applications. Bio-based products must be tied to specific crops/plants, and their modification to meet new industrial uses. For instance, for nanoparticles, a direct link is required with an industrial crop or with the respective value-chain. In the manuscript, all species must include the Latin name and Authority, the first time the species is mentioned in the abstract or text.

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AUDIENCE
Scientists in the areas of agronomy, crop protection, post-harvest and processing research, product testing and evaluation, distribution, marketing and economics.

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Conversion of biomass into biofuels and other added-value products, Techno-economic and environmental issues related to the development of the biorefinery concept

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Crops for biomass and biofuels, agronomy, improvement and processing

Crops for biomass and biofuels, agriculture, improvement and processing

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Oilseeds, plant genetic resources, new industrial crop breeding.

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Food Chemistry, Natural Products, Nutraceuticals, Functional Foods, Natural ingredients/additives

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Cellulose nanomaterials, Nanocomposites, Polymers, Characterization, Byproducts, Nanocellulose, Supramolecular, Unctional, Implantable materials, Biomaterials

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Chemistry of vegetal biomass, furan and furanics

R. Gesch, USDA-ARS Soil Management Research, Morris, Minnesota, United States of America
Agronomy of oilseed crops (e.g. influence of agronomic practices and environment on crop growth and yield, including seed oil content and composition), crop water use, photosynthesis, plant carbohydrate metabolism and usage

M. Ghorbanpour, Arak University, Faculty of Agriculture and Natural Resources, Arak, Iran
Phytonanotechnology, Bioavailability of emerging contaminants, Environmental stresses impacts on plant growth and metabolism, Natural products and bioactive compounds of aromatic medicinal plants

X. He, USDA-ARS Foodborne Toxin Detection and Prevention Research, Albany, California, United States of America
Molecular biology, Protein detection methods, Food safety, Food contaminants and Protein toxins

M.A. Jackson, USDA-ARS National Center for Agricultural Utilization Research, Peoria, Illinois, United States of America
Catalytic conversion of fats and oils

D. Jasso de Rodriguez, Antonio Narro Agrarian Autonomous University, Saltillo, Mexico
medicinal and nutraceuticals, antioxidants, waxes, resins, latices, guayule and phytochemicals of the plants of the semiarid lands

S. Korkut, Duzce University, Düzce, Turkey
Fibres and fibre compounds, natural fibres-based composites, waxes, resins, gums, rubber and other polymers, composites and reconstituted products, energy and chemicals from forest biomass, non-wood forest products, adhesives for wood, bonding strength, contact angles, adhesion by chemical bonding, mechanical properties of adhesives, surface roughness/morphology, wood-based composite materials and their applications.

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particle boards, wood, wood adhesive, nanocellulose, cellulosic composites, adhesion, interface properties, bio-based adhesives

D. Lachenal, International Graduate School of Paper Print Communication and Biomaterials, St Martin d'Heres, France
pulping, lignin, bleaching, biorefinery from lignocellulosics

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D. Pasquini, Federal University of Uberlandia, Uberlandia, Brazil
vegetal macromolecules, cellulosic fibers, composites, nanocellulose, nanocomposites, polymers from renewable sources

R. Pavela, Crop Research Institute Secondary Plant Metabolites in Crop Protection, Praha, Czechia
botanical insecticides, plant extracts, essential oils, insecticidal activity, repellency

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oil seed crops, plant breeding, genetics, agronomy, GC oil analysis

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particle boards, wood, wood adhesive

Y. Popineau, National Research Institute for Agriculture Food and Environment Pays de la Loire Center, Nantes, France

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C. Regnault-Roger, University of Pau and Pays de l'Adour, Pau, France
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Lignocellulosic agricultural crop, Pretreatment, Cellulose, Hemicellulose, Lignin, Conversion, Biofuels, Chemicals, Biomaterials

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R. Roseberg, Oregon State University Klamath Basin Research & Extension Center, Klamath Falls, Oregon, United States of America
soil science, agronomic aspects of crop production

H. Ruiz, Autonomous University of Coahuila, Saltillo, Mexico
Renewable energy, specifically in biorefinery process and bioethanol production of second generation using lignocellulosic materials (agricultural residuos), Hydrothermal process (autohydrolysis), Simultaneous saccharification, Bioethanol fermentation and modeling of enzymatic hydrolysis

D. Scordia, University of Catania, Catania, Italy
extractives, GC-MS

P.C. Stevenson, University of Greenwich Natural Resources Institute, Chatham, United Kingdom
Natural Products Chemistry, Bioactive compounds from plants, Botanical Insecticides, Chemical Ecology, Pollination Biology

V.K. Thakur, Scotland’s Rural College, Biorefining and Advanced Materials Research Centre, Edinburgh, United Kingdom
Biorefining, Biomaterials, Advanced Materials, Nanocomposites, Photocatalysis

D. Turley, National Non-Food Crops Centre Ltd, York, United Kingdom
non food crops in general, economic aspects, processing, rural strategies, agronomy of non-food crops, biofuels and bioenergy applications, bio-based materials

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N. Tzortzakis, Cyprus University of Technology Department of Agricultural Sciences Biotechnology and Food Science, Lemesos, Cyprus
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P. Velmurugan, Jeonbuk National University, Jeonju-si, South Korea

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Pesticides, Environmental Technology, Biorefineries, Analytical methods, Biomimetic processes, Catalytic processes, Informatics, Computational quantum chemistry, Quantitative structure-activity relationships, Statistical modeling

M. Viuda-Martos, Miguel Hernandez University of Elche Agro-Food Technology Department, Orihuela, Spain
Coproducts, Fibre, Antioxidant, Antibacterial, Foods

G. Wang, The University of Arizona Maricopa Agricultural Center, Maricopa, Arizona, United States of America
crop production, nutrient management, crop rotation, and tillage management.

X. Wang, South China University of Technology, Guangzhou, China
Biomass-based Materials, Cellulose, Hemicellulose, Chitosan, Fiber, Hydrogel, Film, Aerogel, Paper

W. Weisany, Islamic Azad University Department of Agriculture and Food Science, Tehran, Iran
Medicinal and Aromatic Plants, Plant extracts, Essential oils, Nanoencapsulation, Biofertilizers, Mycorrhiza, PGRs, Agronomy of non-food crops, Crop physiology, Abiotic stresses.

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Food chemistry, Polyphenol, Flavonoids, Functional food, Diabetes, Analytical chemistry

F. Xu, Beijing Forestry University School of Material Science and Technology Department of Forestry Chemistry, Beijing, China
Oilseed crops, Lignocellulosic crops, Biobased uses, Crop physiology, Abiotic stresses, Natural rubber

F. Zanetti, University Hospital of Bologna Sant'Orsola-Malpighi Polyclinic, Bologna, Italy
Oilseed crops, Lignocellulosic crops, Biobased uses, Crop physiology, Abiotic stresses, Natural rubber
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**INTRODUCTION**

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(sunflower, safflower), sugar crops (sugarcane, sugarbeet), and others. Non-plant research or non-plant derived products, for instance, animal, algae, fungi, microorganisms, and minerals. For example: honey, propolis, chitosan, graphene, etc. are not in the scope.

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Edible films and food/feed related antioxidant activity.

Ethnobotany, ethnopharmacology, pharmacology, and phytochemistry.

Development of analytical methods of metabolites.

Valorization and metabolite extraction of waste streams from food industry (peels, seeds, pomace, coffee grounds, vegetables processing, etc.)

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