



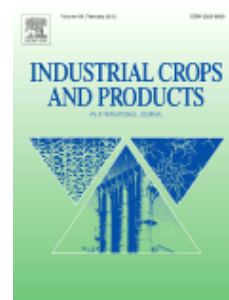
INDUSTRIAL CROPS AND PRODUCTS

An International Journal

AUTHOR INFORMATION PACK

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DESCRIPTION

Industrial Crops and Products, an International Journal, publishes academic and industrial research on **industrial** (non-food) **crops** and **products**, containing both crop-oriented and product-oriented research papers - a platform where agricultural research meets industrial R&D.

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AUDIENCE

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rubber; plant physiology; biomass; biofuels; resins.
M.D. Curt, Universidad Politécnica de Madrid (UPM), Madrid, Spain
Crops for biomass and biofuels; agronomy; improvement and processing
D.A. Dierig, Bridgestone Americas, Inc., Eloy, Arizona, USA

Oilseeds, plant genetic resources, new industrial crop breeding.

S.Z. Erhan, U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Wyndmoor, Pennsylvania, USA

fats and oils, polymerization, chemical engineering, ink, lubricant, grease, metal working fluids, industrial uses of vegetable oils, biodiesel, bioethanol, bio oil

R.L. Evangelista, U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Peoria, Illinois, USA

Postharvest handling of crops; crop processing; oilseed processing; vegetable oil refining; plant oil characterization; seed protein characterization

M. Foster, Texas A&M University, College Station, Texas, USA

the production agriculture aspects of natural rubber and oilseed crops

A. Gandini, Universidade de Aveiro, Aveiro, Portugal

Chemistry of vegetal biomass; furan and furanics

R. Gesch, U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Morris, Minnesota, USA

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. Hanna, University of Nebraska at Lincoln, Lincoln, Nebraska, USA

Extrusion; biodiesel and biopolymers

X. He, U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Albany, California, USA

Molecular biology; Protein detection methods; Food safety; Food contaminants and Protein toxins

M.A. Jackson, U.S. Department of Agriculture (USDA), Peoria, Illinois, USA

Catalytic conversion of fats and oils

D. Jasso de Rodriguez, Universidad Autónoma Agraria Antonio Narro, Saltillo, Coahuila, Mexico

medicinal and nutraceuticals; antioxidants; waxes; resins; latices; guayule and phytochemicals of the plants of the semiarid lands

S. Korkut, Duzce University, Duzce, 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.

J. Labidi, Universidad del Pais Vasco (Basque Country), San Sebastian, Spain

biorefinery processes; pulp and paper; lignin; process simulation/optimization

M-P. Laborie, Albert-Ludwigs-Universität Freiburg, Freiburg, Germany

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

D. Lachenal, Grenoble INP - Pagora, St. Martin d'Hères Cedex, France

pulping; lignin; bleaching; biorefinery from lignocellulosics

L. Lazzeri, Research Institute for Industrial Crops, Bologna, Italy

Crops for soil remediation; biofumigation; oilseeds

A. Monti, University of Bologna, Bologna, Italy

biofuels; biomass; bioenergy crops

D. Pasquini, Universidade Federal de Uberlândia (UFU), Uberlandia MG, Brazil

vegetal macromolecules; cellulosic fibers; composites; nanocellulose; nanocomposites; polymers from renewable sources

R. Pavela, Crop Research Institute, Prague, Czech Republic

botanical insecticides

W.B. Phippen, Western Illinois University, Macomb, Illinois, USA

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

D. Pioch, CIRAD, Montpellier Cedex 5, France

oleaginous, oleochemistry (especially palms); extraction of active compounds, especially forest products (water and supercritical CO₂ based); biorefinery (cascade extraction of a range of useful compounds, from a single biomass, including deconstruction of lignocellulose; Ultra and microfiltration for separating fractions

A. Pizzi, Université Henri Poincaré (Nancy I), Epinal Cedex 9, France

particle boards; wood; wood adhesive

Y. Popineau, Institute National de la Recherche Agronomique, Nantes, France

D.A. Ravetta, Museo Egidio Feruglio, Trelew, Chubut, Argentina

new crops; arid lands; resins; specialty oils, secondary metabolites; eco-physiology

C. Regnault-Roger, Université de Pau et des Pays de l'Adour, Pau Cedex, France

natural Insecticides; essential oils; plant chemistry

R. Roseberg, Oregon State University, Klamath Falls, Oregon, USA

soil science; agronomic aspects of crop production

H. Ruiz, Autonomous University of Coahuila, Saltillo-Coahuila, Mexico

renewable energy, specifically in biorefinery process and bioethanol production of second generation using lignocellulosic materials (agricultural residuos), hydrothermal process (autohydrolysis), simultaneous saccharification and bioethanol fermentation and modeling of enzymatic hydrolysis.

A.J.D. Silvestre, Universidade de Aveiro, Aveiro, Portugal
extractives; GC-MS

R.C. Sun, Beijing Forestry University, Beijing, China

Celulose chemistry; cellulose derivatives; biorefinery; fibres

W. Thielemans, KU Leuven, Leuven, Belgium

lignin; surface modification; composites; starch and cellulose nanoparticles; self assembly

D. Turley, National Non-Food Crops Centre, York, England, UK

non food crops in general; economic aspects; processing; rural strategies; agronomy of non-food crops; biofuels and bioenergy applications; bio-based materials

G. Wang, University of Arizona, Maricopa, Arizona, USA

crop production, nutrient management, crop rotation, and tillage management.

GUIDE FOR AUTHORS

INTRODUCTION

Industrial Crops and Products, an International Journal, publishes papers reporting the results of original research, short communications and critical reviews on all aspects of industrial crops and products (defined as non-food/non-feed uses of plants and plant products). This covers a wide range of aspects of cultivation, crop improvement, crop compounds, processing, and integrated chain control, all focusing on the exploitation of agricultural crops for industrial use.

The scope of the journal covers a vast range of crops and research disciplines. Crops should contain significant renewable resources such as:

- Fibres and fibre compounds
- Carbohydrates
- Oils and fatty acids
- Waxes, resins, gums, rubber, and other polymers
- Proteins
- Essential oils for ink, lubricants, plastics, cosmetics
- Biologically active compounds for pharmaceutical, herbicides and insecticides, and preservatives.

Some examples of industrial (non-food/non-feed uses) crops are agave, cassava, crambe, cuphea, elephant grass, fibre hemp, flax, guar, guayule, jojoba, kenaf, lesquerella, maize, meadowfoam, oil palm, peas, plantago, potato, pyrethrum, rape seed, safflower, soybean, Stokes aster, sugar beet, sunflower, vernonia, and wheat.

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3. Short Communications
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Present simple formulae in the line of normal text where possible. In principle, variables are to be presented in italics.

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