DESCRIPTION

*Industrial Crops and Products* is an International Journal publishing academic and industrial research on industrial (defined as non-food/non-feed) crops and products. Papers concern both crop-oriented and bio-based materials from crops-oriented research, and should be of interest to an international audience, hypothesis driven, and where comparisons are made statistics performed. The following are examples of research that fit within the scope of the journal.

The emphasis must be on plants. Non-plant research, for instance animal, algae, microorganisms, and medical oriented research are not within the scope of the journal. Non-food/non-feed products (bio-based materials) from specific crops. Food/feed uses can be mentioned, but the majority of data and emphasis in the Discussion must be on non-food/non-feed uses of plants and plant products. Cultural practices to improve production of industrial crops and products. Experiments should be run at least twice, whether performed in the field, greenhouse, growth chamber, and in tissue culture or micropropagation, to account for environmental variation and/or genotype x environment interactions. Germplasm development and breeding of industrial crops. New or alternative crops with potential industrial uses.

a) The manuscript should include an evaluation of the real potential to make a plant an industrial crop, not just information on plants gathered in natural habitats (many plants make products, but they will not become a crop). An economic analysis may be included as appropriate.

b) Industrial Crops and Products is a crop oriented journal; these can be field crops, horticultural crops, or forest crops, but they must be managed, not just collected natural stands. The focus should be on agricultural production as an end result. Plant products, 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. Testing industrial uses of specific plant products. Processing research to improve recovery of specific plant products.

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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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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.

Papers within the above indicated frame-work will be accepted if they cover or integrate research on:

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- (Bio)chemistry
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