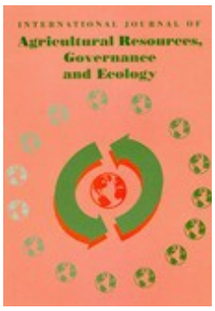
Call for Papers



Int. J. of Agricultural Resources, Governance and Ecology (IJARGE)

SUSCOM-2019: Special Issue on: "Advancements in Computational Technology for Precision Agriculture"

Guest Editors:
Dr. Ramesh C. Poonia, Dr. Linesh Raja, Dr. Sandeep Kumar and Dr. B. Suresh Kumar, Amity University, Jaipur, India

Agriculture has been the base of civilisation since ancient times and has now become an essential part of life for human beings. It is not only a science but also a profession, and is largely concerned with growing seeds and plants, irrigation and the fertilising and harvesting of crops. Previously it was concerned only with cultivation, but today it also includes livestock, bee farming, poultry, dairy and many more areas both for food and business.

Agriculture requires the latest technologies and innovations to meet the growing demand of the rapidly growing population. Due to growing demand and the choice of different varieties, agriculture has converted into industry. Besides small and medium farms, some big businesses are taking interest and are trying to improve methods of cultivation.

Agriculture plays a very important role in the financial systems of a nation. Due to globalisation and improved and rapid transportation facilities, the import and export of agri-products is growing. Agriculture-based food processing industries offer a huge amount of employment openings. The role of agriculture in the GDP of a nation is very important and can strengthen its economy.

The rise of various computational technologies plays a vital role in this regard. Particularly in precision agriculture, the use of computational technology can enhance the crop productivity to a large extent. At the same time, soil receives exactly what it needs for optimum healthy productivity. Precision agriculture uses sustainable decision support systems with the goal of optimised returns on input data. The computational technology uses the global positioning system (GPS) and geographic information system (GIS) in agricultural equipment to achieve better productivity.

For this special issue, the Guest Editors will be inviting substantially extended versions of selected papers presented at the International Conference on Sustainable Computing in Science, Technology and Management (SUSCOM-2019) for review and potential publication, but are also inviting other experts to submit articles for this call.

Subject Coverage

Suitable topics include, but are not limited, to the following:

- Agriculture and decision support
- Precision agriculture and climate change
- Precision agriculture technologies
- Precision nutrient and water management
- Remote sensing applications in precision agriculture
- Development of new equipment for precision agriculture
- Computational intelligence in agriculture
- Automated plant disease detection systems
- Automated prediction of soil quality

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper).

All papers are refereed through a peer review process.

All papers *must* be submitted online. To submit a paper, please read our Submitting articles page.

If you have any queries concerning this special issue, please email the Guest Editors
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Important Dates

Manuscripts due by: *15 April, 2019*

Notification to authors: *15 June, 2019*

Final versions due by: *15 August, 2019*