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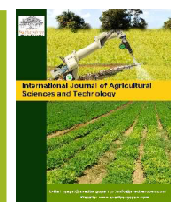
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Short Communication

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## Sustainable organic farming practices

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### Abstract

The aim of the paper is to evaluate the association of organic farming to strengthen the sustainability of organic agriculture. Organic agriculture shows abundant benefits, as it reduces many of the environmental impacts of conventional agriculture, it can increase efficiency in small farmers' fields, and it reduces reliance on costly external inputs, and guarantees price premiums for organic products. Organic farmers also profit from farmer cooperative and the formation of social networks, which enhances good access to instruction, credit and welfare services. This paper brings out how the function of organic farming contributes for the sustainable practices and improving environment conservation, animal welfare, and product quality.

**Keywords:** Organic agriculture, Organic farming, Organic farmer, Sustainable development, Environment conservation, Product quality, IFOAM

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## 1. Introduction

The concept of sustainable agriculture really constitutes the acceptance of the broadened agenda for agricultural research. Sustainable agriculture based on the human goals and with long-term impact of our activities on the environment and other species.

Organic farming is a term that came into existence in the 20<sup>th</sup> century in effect, fostering the farming for the use of various species and used, to farm without imitation chemicals. Organic agricultural process is accepted worldwide and are regulated internationally, and legally enforced by foreign nations, based in large part on the standards set by the International Federation of Organic Agriculture Movements (IFOAM). The products like rice, cereals, bajra, wheat, and ragi were cultivated by our ancestors and were consumed without any adulteration. Fruits were grown without adding neither any fertilizer nor any biotechnological preservatives. In the ancient times the crops were grown according to the needs and were brought from the other nation to create abundant resource. Sugarcane was brought from China and was cultivated in India by determining its need.

The natural grown products do not have any harm and it has more value since it is health concerned. Since, the abandonment of certain inputs such as mineral fertilizers and pesticides this becomes more environments friendly. Sustainable development in organic farming will low polluted, water waste and optimum use of energy. This main motto of sustainable, organic farming is about not consuming less, but better. Organic farming involves various benefits for the

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performance of society such as economic performance, social performance, and environmental performance. Agriculture is said to be the most important area of sustainable development where it extends to all human activities. Modern agriculture requires the replacement of more sustainable choice based on eco-friendly agriculture.

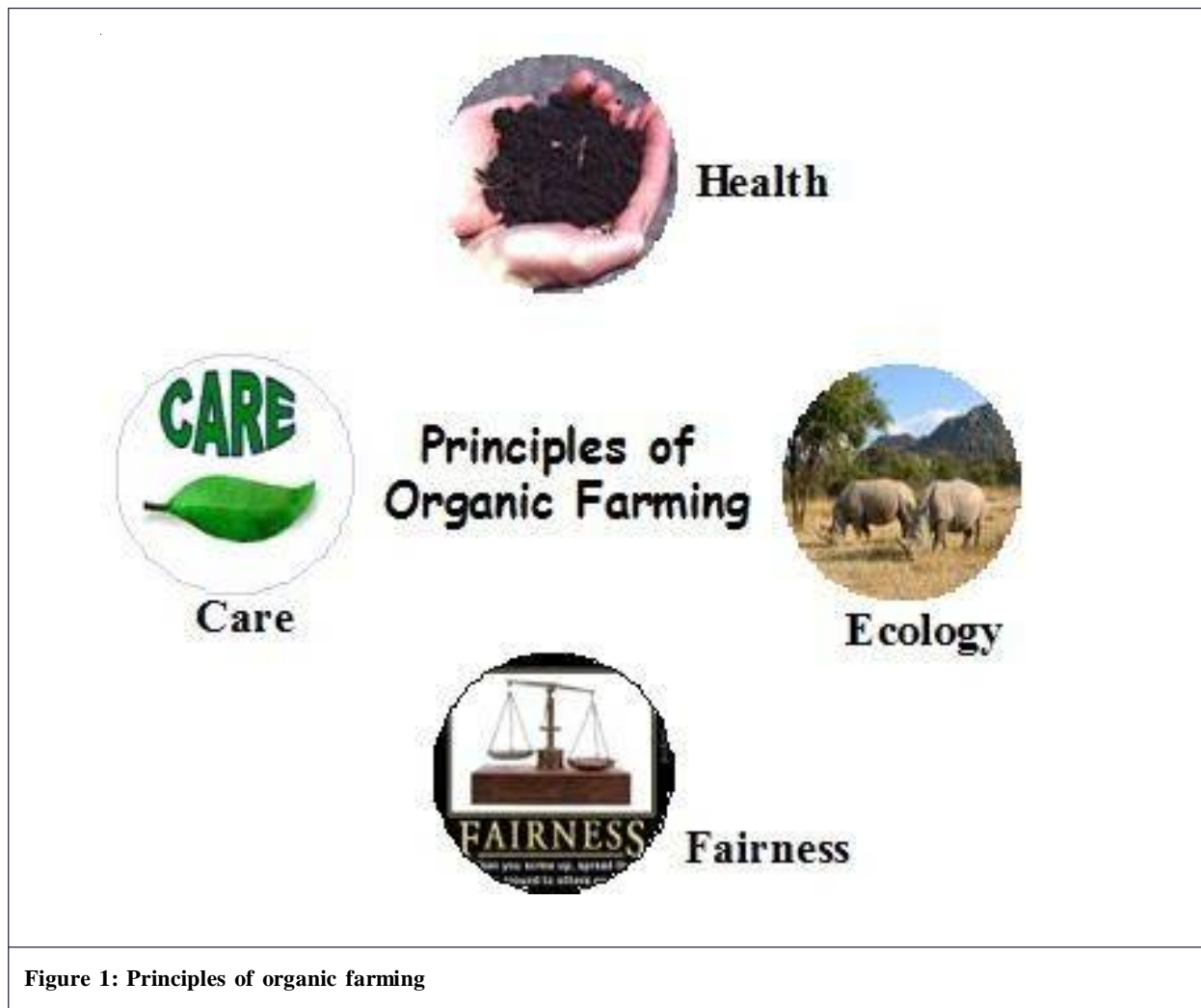


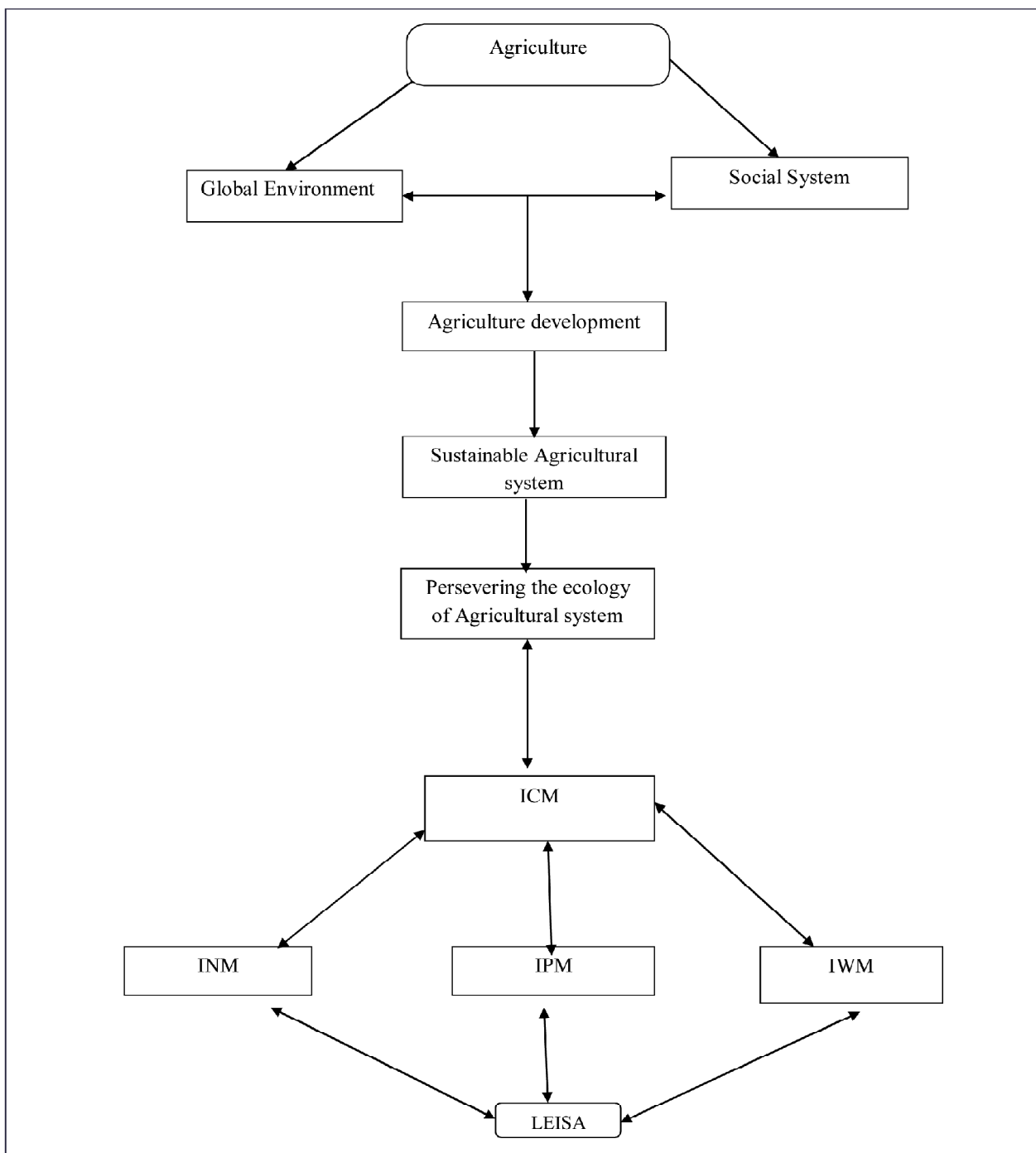
Figure 1: Principles of organic farming

## 2. Sustainable agriculture

Sustainable agriculture are farming are widely acknowledged as a viable alternative to the conventional production under many conditions and the organic products are bought by the purchaser. Who are health concerned and environmental issues. Sustainable agriculture focuses on minimizing the advance impacts to the environment and providing a sustainable level of production. Supportable Agriculture fits into and supplements present day farming. It remunerates the genuine estimations of makers and their items. In spite of the fact that air and daylight are accessible wherever on earth, trims likewise rely upon soil supplements and the accessibility of water. At the point when ranchers develop and reap crops, they expel a portion of these supplements from the dirt. Without recharging, arrive experiences supplement exhaustion and turns out to be either unusable or experiences decreased yields. It draws and gains from natural cultivating. It chips away at homesteads and farms substantial and little, outfitting new innovations and reestablishing the prescribed procedures of the past. Damp tropical conditions, for example, hot temperatures, high yearly precipitation and poor soil properties require fitting farming practices. The work identifies four main points of commonality between organic farming and sustainable rural development: innovation, conservation, participation and integration. All of them are critical aspects in current strategies for sustainable rural development, and, at the same time, key features of modern organic farming ideology and practices.

Sustainable agriculture is a distinct set of practices is a system of food and production that impress the productivity of natural resources. Sustainable agriculture encompasses the efforts that develop more efficient production system. Sustainable agriculture is a direction that makes remarkable save of the farmer.

### 3. Framework of sustainable agriculture



### 4. Objectives

- To study on sustainable organic farming.
- To analyze the impact of organic farming.
- To examine the problems in organic farming.

#### 4.1. Sustainable organic farming

This history of direction makes a talk that organic agriculture is really significant. Organic farming improves the quality of the soil. The term organic then, in the original sense describes the holistic approach in the farming fostering diversity and maintaining optimal animal and plant health. There are two main features of organic farming that lead to potentially different environmental impacts. Organic farming generally results in lowering the pesticides than used in the conventional agriculture.

Farm internal nutrient supply is also an important feature of organic farming it tends in soil fertility better than that of conventional farming. Landscape diversity can be better encouraged by the organic farming. Market development and the agricultural policy influence the organic farming systems.

Harmonized cultivating framework that makes progress toward manageability, the enhancement of soil fruitfulness and natural assorted variety in the meantime, as, with uncommon special cases, forgetting fake pesticides, anti-infection agents, counterfeit manures, heritably adjusted living beings, and development hormones. Natural cultivating keeps on being created by arranging natural agribusiness associations today. It depends on composts of natural inception, for example, sludge fertilizer, green excrement, and bone feast and places accentuation on strategies, for example, trim turn and friend planting. Organic bug control, blended trimming and the cultivating of bug predators are idealistic. All in all, natural gauges are intended to permit the utilization of normally happening substances while precluding or mercilessly constraining engineered substances.

#### **4.2. The need for organic performing**

Organic farming practices can be incorporated because of the following benefits:

- It is cheaper and can be grown locally easily compared to the traditional farming techniques.
- It has more nutritional value as compared to traditional grown counterparts.
- Due to the health benefits the organic products are sold in market for high price.
- Since the organic products are more labor intensive.
- Organic outputs are healthier and posses more nutritional value as compared to the traditionally grown counterparts.
- Since the organic products are more labor intensive, it can be doe where there are number of laborers.
- Through organic farming the crop rotations are increased and cover crops.
- Careful attention to the impact of the farming system on the wider environment and the conservation of wildlife and natural habitats.
- The extensive use of fertilizer will also help in the sustainable and eco-friendly agriculture, nutrient management for low soil matter.
- Organic farming can yield to more sustainable production without degrading the environment.
- Organic production requires more manual labor comparing to the traditional farming.
- It is believed that real green agricultural organic farming is more potential for the farming systems since it uses all the degradable components.
- Organic farming techniques will help in increasing the organic matter, optimum nutrient balance and biological functioning of soils.

#### **4.3. Importance of organic farming**

Organic farming is important because of the following reasons,

1. Safe environment.
2. Recover the old herbal plants.
3. Encourages the natural fertilizer to farmers.
4. It is offered at the affordable price.
5. The wastes of the agricultural production could be further brought under the process.
6. Convenient to consumers.
7. Employment to rural people.
8. Various aids, to the government, such as taxpaying, minimizing the wastages, use of quality manure, recycling the non degradable wastes.
9. Better quality products.
10. Health concerned.

## 5. SWOT analysis of organic farming

<p style="text-align: center;"><b>STRENGTH</b></p> <p>Environmental sustainability High quality products Animal welfare Cultural/environmental heritage Skilled staff and easy available raw materials. Healthier and fresh vegetable and fruits.</p>	<p style="text-align: center;"><b>WEAKNESS</b></p> <p>The only medium of communication is the web Premium price and limited organic raw material Lack of participation out the farm gate Abandonment Low profitability Little specialized staffs</p>
<p style="text-align: center;"><b>OPPORTUNITIES</b></p> <p>Capital accumulation Government support finance and training program Increasing local awareness and benefits of organic products Available to organic raw materials and easy to labor management Estimate the production Increase the royalty</p>	<p style="text-align: center;"><b>THREATS</b></p> <p>Environmental effect is very high Farmer demand is to give quick results. Mastitis and Increase in raw material prices High dependency of concentrating Rapid population growth Impact of globalization and urbanization</p>

## 6. Impact of organic farming

Organic farming has destabilized the soil in farming process and even it has less amounted to farmer suicide in India. The agricultural growth and reduced widening have been through this organic farming. It has also promoted sustainable agricultural growth with robust and carefully targeted the investment. It offers alternative methods for the production and it has benefited some farmers.

Organic management does not burden the soil and groundwater with synthetic fertilizer and pesticides. Organic farms have achieved 10-20% higher income from agriculture. Organic farming has less use of cattle and labors. Organic farming focuses on the two aspects, viz., environment, safety and feed quality plant protection is also one of the major aspect of organic farming.

## 7. Prospects for organic farming in India

Various types of naturally viable organic form of nutrients across different regions of the country which are helpful in organic cultivation of crops. The climatic conditions prevailing in India are dynamic and that supports the agriculture from season to season. India consisting of strong and innovative farmers who are ready to do traditional farming system. Negligible chemicals are used in the rainfed tribal, northeast and hilly regions of the country where in agriculture, have been practicing subsistence agriculture for a long period.

## 8. Conclusion

Agriculture remains the primary sector for the economic development and the country should be self sufficient with cotton and food products. Through this paper, it is well understood that the organic farming makes the extensive use of fertilizer which are non-harmful and hazardous to the crop. Different crop cultivation is practiced in India and it is noticed that modern agriculture requires the replacement of more sustainable practices. Sustainable agriculture focuses on optimum nutrient balance and biological functioning of soil. This Sustainable agriculture is more convenient to the farmer and it provides employment to the people. The future scope is there for the sustainable farming and it will be more convenient to the people.

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