



S.I.V.E.T. COLLEGE,

A Government Aided, Co- Educational Institution

Affiliated to the University of Madras

Gowrivakkam, Chennai - 600073

**PROCEEDINGS OF THE
INTERNATIONAL CONFERENCE**

**AI: THE CATALYST IN NURTURING SUSTAINABLE
BUSINESS EXCELLENCE AND INNOVATION”**

29-AUGUST-2025

***ORGANIZED BY THE
PG AND RESEARCH DEPARTMENT OF
COMMERCE***



PROCEEDINGS OF THE
INTERNATIONAL CONFERENCE ON
AI: THE CATALYST IN NURTURING SUSTAINABLE BUSINESS EXCELLENCE AND
INNOVATION

ON

29TH AUGUST 2025

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First Impression: 2025

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**Proceedings of the International Conference AI: THE CATALYST IN NURTURING
SUSTAINABLE BUSINESS EXCELLENCE AND INNOVATION**

ISBN: 978-93-92191-78-7

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Published by

S.I.V.E.T. PUBLICATIONS

S.I.V.E.T. College, Gowrivakkam, Chennai 600 073

A Government Aided Co-Educational Institution

Affiliated to The University of Madras

44	ADOPTION OF ARTIFICIAL INTELLIGENCE IN SUSTAINABLE PRACTICES: A SURVEY-BASED ANALYSIS OF THE AUTOMOBILE MANUFACTURING INDUSTRY IN CHENNAI Dr. M. Kaveri	328
45	AI-DRIVEN INNOVATION IN GOODS, SERVICES AND BUSINESS MODELS Dr. P.Suja	338
46	AI-POWERED CYBER SECURITY SOLUTIONS: AN EMPIRICAL STUDY Fathima Afraa &Dr. K. Sheik Mydeen	344
47	PRIVACY ISSUES IN AI: CHALLENGES AND SOLUTIONS FOR DATA PROTECTION Dr. T. Lebana Rani	353
48	ADOPTION OF AI-ENABLED FINTECH SERVICES: THE ROLE OF DEMOGRAPHICS AND BARRIERS IN CHENNAI'S URBAN BANKING SECTOR Mrs. S. Suganya & Dr. K. Malarvizhi	356
49	A STUDY ON EMPOWERING UNDERREPRESENTED COMMUNITIES THROUGH AI-DRIVEN SOLUTIONS Dr. V. Archana Binju	363
50	ORGANIC FARMING IS A TOOL OF SUSTAINABLE DEVELOPMENT IN INDIA Jacob Jose & Dr. Mohana Priya. M	370
51	THE ROLE OF AI IN ENHANCING BUSINESS EXCELLENCE THROUGH GREEN TECHNOLOGIES M. Kasthuri	374
52	E-HRM: OPPORTUNITIES AND CHALLENGES S. Hariharan & Dr. J. Srinivasan,	380
53	AI-DRIVEN DIGITAL MARKETING ADOPTION AMONG WOMEN ENTREPRENEURS:A SYSTEMATIC LITERATURE REVIEW Dr. G. Ravi &M .Malathy	387

ORGANIC FARMING IS A TOOL OF SUSTAINABLE DEVELOPMENT IN INDIA

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ABSTRACT

Organic farming is a type of farming that maintains and improves the natural balance of the environment. Organic farming is a sustainable agricultural system that promotes the use of natural inputs such as crop rotation, green manure, and biological pest control to enhance soil fertility, crop yields and protect the environment. Organic farming in India is driven by Growing demand for healthy food; need to conserve soil and water resources and Socio-economic benefits. This approach can contribute to sustainable development in India, promoting environmentally friendly practices and supporting local communities. The paper reviews the current status of organic farming in India, its benefits, challenges, and opportunities for sustainable development. The paper concludes by providing recommendations to accelerate the growth of organic farming in India.

KEYWORDS: Organic farming, sustainable, development goals and Growth.

INTRODUCTION

Agriculture plays a vital role in India's economy, supporting over 50% of the population's livelihoods. This highlights the sector's significance in ensuring food security, employment, and economic stability for millions of Indians. However, conventional agriculture has been associated with various challenges such as soil degradation, water scarcity, declining soil fertility, and environmental pollution. Organic farming offers a sustainable alternative to conventional agriculture, promoting the use of natural inputs such as compost, green manure, and natural pest control methods to reduce environmental impacts and facilitate sustainable development. India's organic farming sector is expanding rapidly, driven by government and private sector support. This growth highlights the potential of organic farming to contribute to sustainable development, environmental conservation, and improved livelihoods for farmers.

CURRENT STATUS OF ORGANIC FARMING IN INDIA

In 2025, India's organic farming sector is experiencing significant growth, with a projected market size of Rs 64 billion by FY25. The government is actively promoting organic farming through various initiatives like the PKVY and MOVCDNER schemes, which provide financial and technical support to farmers. India is also focusing on increasing organic exports, with a goal to double them to \$1 billion by FY26.

BENEFITS OF ORGANIC FARMING IN INDIA

Organic farming has multiple benefits, including:

- Environmental benefits: soil and water conservation, reduced pollution
- Health benefits: chemical-free food, reduced risk of health problems
- Economic benefits: premium prices for farmers, employment opportunities in processing, packaging, and marketing.

These advantages make organic farming a valuable approach for sustainable development.

CHALLENGES OF ORGANIC FARMING IN INDIA

Organic farming in India faces challenges such as:

- Inadequate infrastructure (cold storage, processing units)
- High certification costs and standards
- Limited expertise and knowledge among farmers

These obstacles can hinder growth, reduce yields, and limit market access, particularly for small-scale farmers. Addressing these challenges is crucial for the sector's development.

OPPORTUNITIES FOR SUSTAINABLE DEVELOPMENT THROUGH ORGANIC FARMING IN INDIA

Organic farming in India offers opportunities for:

- Environmental sustainability: soil and water conservation, reduced greenhouse gas emissions
- Economic sustainability: employment generation, income opportunities
- Social sustainability: health benefits, alternative income for small-scale farmers.

This makes organic farming a valuable approach for promoting sustainable development in India.

RECOMMENDATIONS

To boost organic farming in India and foster sustainable development, several key recommendations can be implemented. These include improving infrastructure, providing financial support to farmers, simplifying certification processes, and promoting market access and awareness. Additionally, training programs can enhance farmers' skills, and policy incentives can encourage the adoption of organic practices. By addressing these areas, India can accelerate the growth of organic farming and achieve sustainable development goals. First, the government should invest in infrastructure, particularly in cold storage facilities and processing units, to ensure the preservation and processing of organic produce. Second, the government should simplify certification procedures and reduce certification costs, particularly for small-scale farmers, to encourage more farmers to adopt organic farming. Third, the government should provide training and education programs to farmers to improve their knowledge of best practices, leading to higher yields and increased profitability. Fourth, the government and private sector should market organic produce more effectively to increase consumer demand and promote the growth of the organic farming sector.

CONCLUSION

Organic farming in India presents substantial opportunities for sustainable development by conserving natural resources, minimizing pollution, and delivering healthier food options. However, the sector's growth is impeded by various challenges that need to be addressed to realize its full potential. To boost organic farming in India and foster sustainable development, investments in infrastructure, streamlined certification, training, and effective marketing are crucial. This multifaceted approach can unlock organic farming's potential, driving sustainable growth and contributing to the country's development goals.

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