

AGRITECH TODAY

Editor

Vikram Simha H.V.

Editorial Board

Jaishankar N
Gurumurthy S B
Kiran Nagajjanavar
Basavaraja D
Hadimani D K
Kambale J B
Umesh Barikara
Arun Kumar P
Chetan T
Prabhugouda Kamaraddi
Bhawar R S

Designer

Ajay H N

Publisher

Valmiki Sahitya Sampada
Harthikote Post
Hiriyur, Chitradurga Dist.,
Karnataka - 577545

Contact:

Agritech.editor@gmail.com

Disclaimer: The articles published in AgriTech Today magazine are the personal views of authors. It is need not necessarily be those of the editor/publisher. The magazine will not be held responsible for any errors/ copyright infringement in the article as we do not alter the information provided by the author, therefore the author bears full responsibility.

From the Editors Desk

I am pleased to announce the first issue of AgriTech Today, an English e-Magazine dedicated to publish popular articles of Agriculture and allied Sciences. The purpose of the magazine is to provide a platform for the academicians, researchers, Post Graduate students, research scholars etc to express their view on their specialization.

The agricultural industry is a vital sector that provides food for the growing population, and it is constantly evolving. The advent of technology in agriculture has brought about a significant transformation in the way we farm, process, and distribute food. The agricultural technology industry, also known as AgriTech, is developing rapidly, with innovative solutions that address the challenges faced by farmers, such as climate change, food security, and sustainability.

The new AgriTech Today Agricultural Magazine is a welcomed addition to the industry, providing valuable insights and information about the latest developments in Agriculture sector. In this issue, eight articles are reviewed and selected for publication which includes topics on 3D printing, Food waste to fuel, Aloe vera, Ohmic heating technology for berries, Biochar, Automation in livestock farming, Biochar production and Functional foods. The magazine is a must-read for anyone interested in the future of agriculture and the role that technology will play in shaping it.

I whole heartedly thank the editorial team and authors for their contribution in bringing up this issue.

Editor

TABLE OF CONTENTS

1. Biochar Production: A Sustainable and Profitable Business Model for Farmers	01
2. Functional Food Revolution	07
3. An Overview on 3D Printing of Foods	09
4. Role of Automation in the Livestock Farming	11
5. Converting Food Waste into Fuel: An Innovative Solution to Reduce Waste and Greenhouse Gas Emissions	13
6. Kumari: Plant of Immortality	16
7. Ohmic Heating: A Novel Technique for processing Berries	18
8. Probiotics and Their Health Benefits	21