



Shri Shivaji Education Society Amravati's

SCIENCE COLLEGE

Congress Nagar, Nagpur - 440012 (M.S.) India.
Accredited With CGPA Of 3.51 At 'A+' Grade.



DEPARTMENT OF BOTANY

Organizing THE GRAND INAUGURATION & LAUNCH OF



Chairperson

Dr. O. S. Deshmukh
Principal

Chief Guest

Dr. Kalpana Pandey
President, Shikshan Manch, Former Mayor
Nagpur

Guest of Honor

Prof. Nitin Dongarwar
Head, P.G.T. Department of Botany.
RTM . Nagpur University, Nagpur.

Head

Prof. P. S. Tiwari
Head, Department of Botany

Convener

Dr. Reshma P. Sonwalkar

Co - Convener

Mr. Piyushkumar R. Sharma



About Amrutvatika

Amrut Vatika is a unique educational garden showcasing sustainable practices and diverse plant species. It features sections like Rashi Vatika, Navgrah Vatika, Medicinal plants, Hydrophytes, Xerophytes, Spice Corner, organic/Soilless farming and Hydroponics, promoting environmental awareness.

About Shivaji Organics

Shivaji Organic Products offers eco-friendly agro-fertilizers and bio-fertilizers made from Azolla and organic waste like fruit and vegetable peels. These products promote sustainable farming while reducing waste. Our initiative reflects a commitment to environmentally conscious and innovative agricultural solutions.

DETAILS OF PROGRAM

Date : 12/03/2025 | Time: 2:00 PM
Venue : Knowledge Resource Centre (Library) Followed by Garden visit.



SSES AMRAVATI'S SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Botany

Academic Year: 2024-2025

Report on

LAUNCH OF BIOFERTILIZER *AzoGrow* AND *GrowMax*

(Solution For Sustainable Agriculture)

Report on the Launch of AzoGrow and GrowMax: Organic Fertilizer Innovation under Shivaji Organics

Organized by: Department of Botany

Institution: Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Date of Event: [Please insert actual date if available]

Introduction

In a significant stride toward promoting sustainable agriculture, students and faculty members of Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur, have developed **AzoGrow** and **GrowMax**—an innovative range of organic, plant-based fertilizers under the banner **Shivaji Organics**. This student-driven, faculty-mentored initiative aims to offer eco-friendly, nutrient-rich alternatives to chemical fertilizers.

Project Leadership and Development

The development was spearheaded by an enthusiastic group of students, mentored by faculty members **Dr. Reshma P. Sonwalkar**, **Mr. Piyushkumar R. Sharma**, **Ms. Aishwarya Zure**, and **Mr. Swapnil Fuse**. The project was executed under the expert guidance of **Principal Dr. O. S. Deshmukh** and **Prof. P. S. Tiwari**, Head of the Department of Botany.

Product Overview

- **AzoGrow:** An Azolla-based organic fertilizer, rich in nitrogen, designed to enhance soil fertility naturally.
- **GrowMax:** A plant waste-based fertilizer developed in four targeted variants:
 - **Onion Waste-Based GrowMax** – boosts root and bulb development.
 - **Vegetable Waste-Based GrowMax** – promotes general crop nutrition.
 - **Fruit Waste-Based GrowMax** – enriched with essential micronutrients.
 - **Banana Waste-Based GrowMax** – high in potassium, aiding flowering and fruiting.

Launch Event Highlights

The official launch event was graced by **Chief Guest Dr. Kalpana Pandey**, President of Shikshan Manch, RTMNU, and former Mayor of Nagpur. In her address, she commended the innovation and environmental commitment displayed by the students and faculty. **Guest of Honor Prof. Nitin Dongarwar**, Professor and Head of P.G.T.D of Botany, RTMNU, highlighted the importance of merging research with education to create sustainable solutions in agriculture. **Principal Dr. O. S. Deshmukh** encouraged the team to consider expanding the project into a full-fledged startup, emphasizing its potential impact on organic farming.

Team Contributions and Support

The successful execution of the project and the event was made possible through the collective efforts of faculty members **Dr. R. H. Mahakhode**, **Dr. S. S. Deshmukh**, **Dr. Anita M. Katgaye**, and **Ms. Shruti Agarwal**. Additionally, technical staff **Mr. Prashant Ankalwar** and **Mr. Shivam Ambone**,

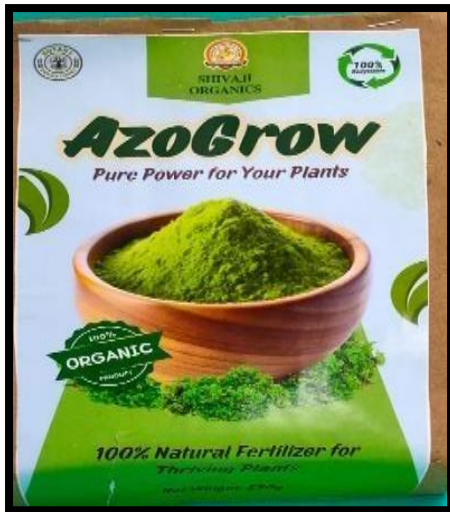
along with first-year UG and PG students, played a vital role in supporting various aspects of the event and product development.

Conclusion

The launch of AzoGrow and GrowMax signifies a major achievement in student-led innovation and highlights the college's continued commitment to sustainable development. These fertilizers not only provide a healthier alternative to synthetic chemicals but also align with global efforts to promote eco-friendly agriculture. This initiative sets a benchmark for educational institutions aiming to bridge academic research with real-world environmental solutions.



Launch of biofertilizer *AzoGrow* AND *GrowMax* (Solution for Sustainable Agriculture) by dignitaries



AzoGrow : Azolla-based organic fertilizer rich in nitrogen, designed to naturally improve soil fertility



GroMax; 4 variants : plant waste-based Bio enzyme fertilizer

SSES AMRAVATI'S SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR,
Department of Botany
Academic Year: 2024-2025
REPORT ON
LAUNCH OF BIOFERTILIZER: AZOGROW AND GROWMAX
(Solution For Sustainable Agriculture)
Attendance Sheet

Sl. No.	Name of Student	Class	Signature
1.	Falguni Shubham	M.Sc.	[Signature]
2.	Gaushvi Kalyanben	M.Sc - I	[Signature]
3.	Kamini Eshwar	M.Sc - I	[Signature]
4.	Amruta Kharu	M.Sc - I	[Signature]
5.	Priya Dharpure	M.Sc - I	[Signature]
6.	Shreya Samikumar	M.Sc - I	[Signature]
7.	Prerna Pallwar	M.Sc - I	[Signature]
8.	Umasha H. Rajit	B.Sc - I	[Signature]
9.	Mansi M. Patil	B.Sc - I	[Signature]
10.	Vedakshi Lahane	B.Sc - I Yr	[Signature]
11.	Tejasvi Mule	B.Sc - I Year	[Signature]
12.	Himani Deobkar	B.Sc - I Year	[Signature]
13.	Ruchita S. Mathankar	B.Sc - I Year	[Signature]
14.	Shravani P. Daut	B.Sc - I Yr	[Signature]
15.	Supriya M. Mishra	B.Sc - I Yr	[Signature]
16.	Satish M. Gopalwar	B.Sc - I Yr	[Signature]
17.	Samiksha P. Tispuoti	B.Sc - I Year	[Signature]

Astima
Head
Prof. P.S. Tiwari
Professor and Head
Department of Botany,
SSES Am't's Science College,
Congress Nagar, Nagpur-12

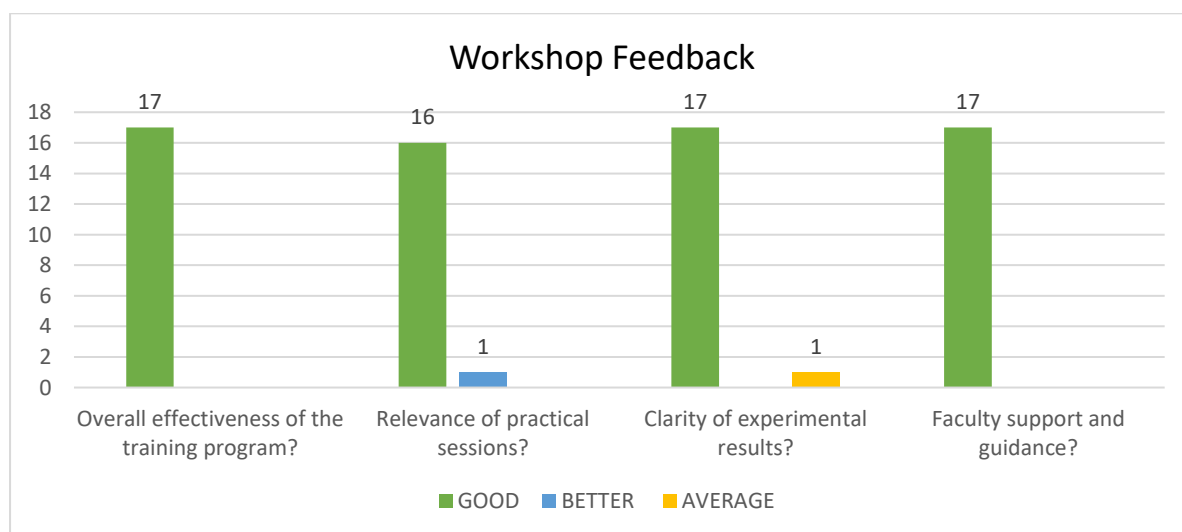
Action Taken Report


In a pioneering initiative toward sustainable agriculture, the Department of Botany at Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur, successfully developed and

launched two innovative organic fertilizers—AzoGrow and GrowMax—under the brand Shivaji Organics. This student-led project, guided by faculty members Dr. Reshma P. Sonwalkar, Mr. Piyushkumar R. Sharma, Ms. Aishwarya Zure, and Mr. Swapnil Fuse, received expert mentorship from Principal Dr. O. S. Deshmukh and Prof. P. S. Tiwari, Head of Botany. The fertilizers, made from Azolla and various plant wastes, were officially launched in a grand event attended by dignitaries including Chief Guest Dr. Kalpana Pandey and Guest of Honor Prof. Nitin Dongarwar. The products aim to promote eco-friendly farming by offering natural alternatives to chemical fertilizers. The collaborative efforts of faculty, students, and technical staff ensured the success of this milestone, which stands as a testament to the college's commitment to research-driven environmental innovation and academic excellence.

FEEDBACK FORM

Sr.No.	Question	Response		
		Good	Better	Average
1)	Overall effectiveness of the training program?			
2)	Relevance of practical sessions?			
3)	Clarity of experimental results?			
4)	Faculty support and guidance?			




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 Head
 Department of Botany
 Professor and Head
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