

Report on

One Day National Seminar on "Recent Advances in Fungal Biodiversity and Agro-Biotechnology"

Date: September 20, 2024

Venue: Dr. Panjabrao Deshmukh Auditorium

Organized by: Mahatma Fule Arts, Commerce, and Sitaramji Chaudhari Science Mahavidyalaya, Warud, Dist. Amravati: Department of Botany, and IQAC in collaboration with MSI and MSI Amravati Unit.

1. Introduction

The national seminar on *Recent Advances in Fungal Biodiversity and Agro-Biotechnology* was convened with the intent of addressing the growing importance of fungi in agriculture and biotechnology. Given the global urgency surrounding sustainable agricultural practices, the seminar aimed to explore the unexplored realms of fungal biodiversity and highlight the latest research and technological advancements that can improve crop health, yield, and resistance to environmental stress. This seminar was also a significant step toward familiarizing students from remote areas, particularly those studying in Mahatma Fule Arts, Commerce, and Science College, with advanced research techniques, event management skills, and developments in agro-biotechnology.

2. Objectives of the Seminar

The seminar set forth the following key objectives:

- **To explore recent advances in fungal biodiversity:** It sought to delve into the latest research findings on fungal species and their ecological roles, particularly in agriculture and biotechnology.
- **To understand the role of fungi in agro-biotechnology:** The seminar emphasized how fungi, including endophytes and other beneficial species, can contribute to the improvement of agricultural practices, from nutrient recycling to disease prevention.
- **To foster collaboration and knowledge exchange:** By bringing together researchers, industry experts, and students, the seminar aimed to create an environment of active knowledge sharing, encouraging future collaborations across disciplines.
- **To make students familiar with research and event organization skills:** Particularly for students of this remote college, the seminar provided an invaluable opportunity to be part of a national-level academic discourse, thereby helping them gain exposure to research, development, and professional event management.

3. Inaugural Addresses

The seminar officially began with a series of high-profile inaugural addresses:

The seminar officially commenced with a series of distinguished inaugural addresses that set the stage for discussions on fungal biodiversity and agri-biotechnology. **Prof. R. N. Kharwar**, a leading expert in fungal research, delivered the keynote inaugural address. He highlighted the critical roles fungi play in agriculture, often overlooked in broader biodiversity studies. His speech focused on how fungi aid plant growth, enhance soil health, and serve as biocontrol agents, making them essential components in sustainable agricultural practices. He also emphasized the importance of studying fungal biodiversity to unlock new potentials, particularly in bioactive natural compounds, which could help address significant challenges in both agriculture and medicine.

Following Prof. Kharwar, **Dr. M. P. Dhore**, Pro Vice-Chancellor and Chief Guest, provided an inspiring and insightful speech on the significance of fungal biodiversity. He elaborated on the multifaceted role fungi play, not only in agri-biotechnology but also in promoting environmental sustainability. Dr. Dhore emphasized how fungi can offer eco-friendly alternatives to synthetic chemicals used in agriculture, underscoring their potential in advancing sustainable practices.

Hon'ble Shri Harshvardhanji P. Deshmukh, President of Shri Shivaji Education Society, Amravati, spoke next, addressing the pressing agricultural challenges India faces today. He stressed the need for cutting-edge research in fungal biotechnology to meet the growing demands of the agricultural sector. Shri Deshmukh highlighted the importance of creating synergies between academic research and its real-world applications, ensuring that advancements in fungal biotechnology are translated into tangible benefits for Indian farmers, thus fostering agricultural innovation and sustainability.

- **Prof. R. N. Kharwar**, a leading figure in fungal research, delivered the keynote inaugural address, emphasizing how fungi, often overlooked in the broader context of biodiversity, play critical roles in agriculture by aiding plant growth, enhancing soil health, and acting as biocontrol agents. He also emphasized the importance of studying fungal biodiversity to unlock new potentials in bioactive natural compounds, some of which could address challenges in both agriculture and medicine.
- **Chief Guest, Dr. M. P. Dhore**, Pro Vice-Chancellor, delivered an inspiring speech on the significance of fungal biodiversity, elaborating on its multifaceted role in not only agro-biotechnology but also environmental sustainability. His address shed light on the potential of fungi to offer green alternatives to synthetic chemicals in agriculture.
- **Hon'ble Shri Harshvardhanji P. Deshmukh**, President of Shri Shivaji Education Society, Amravati, spoke on the agricultural challenges India faces and highlighted the need for cutting-edge research in fungal biotechnology to meet the growing demands of the agricultural sector. His emphasis was on the creation of synergies between academic research and real-world applications, ensuring that advancements in fungal biotechnology directly benefit Indian farmers.

4. Technical Sessions

The seminar comprised two technical sessions, each aimed at providing an in-depth understanding of specific areas of fungal research:

- **First Technical Session: Exploitation of Fungal Endophytes**

Chairperson: Prof. J. A. Tidke

Co-chairperson: Prof. N. H. Sahare

Resource Person: Prof. R. N. Kharwar

Topic: *Exploitation of Fungal Endophytes for Biodiversity, Bioactive Natural Compounds, and Plant Stress Protection*

Summary: Prof. Kharwar explored how fungal endophytes (fungi that live inside plants without causing harm) contribute to the overall biodiversity of ecosystems. He explained how these fungi help plants cope with environmental stress such as drought, salinity, and pests. Additionally, he discussed the discovery of bioactive compounds from fungal endophytes that have shown promising potential in both agricultural and medicinal contexts. These compounds could lead to the development of novel plant protectants and medicines, thus highlighting the immense untapped potential in fungal biodiversity.

- **Second Technical Session: Mycogenic Synthesis of Metal Nanoparticles**

Chairperson: Dr. G. B. Hedao

Co-chairperson: Dr. Suchita Mohod

Resource Person: Dr. Aniket Gade

Topic: *Mycogenic Synthesis of Metal Nanoparticles: A Green Approach*

Summary: Dr. Gade focused on the use of fungi in the field of nanotechnology. He explained how certain fungi can synthesize metal nanoparticles through biological processes, which provide an eco-friendly alternative to conventional chemical and physical methods. These nanoparticles have wide applications, including in agriculture, where they can be used for pest control, enhancing crop growth, and improving soil health. His presentation also outlined how this green approach to nanoparticle synthesis is in line with sustainable development goals, especially in reducing environmental pollution.

5. Poster Presentations

A dedicated poster session was organized to showcase ongoing research by undergraduate, postgraduate students, research scholars, and faculty members. Topics covered included:

- Fungal diversity surveys conducted in different ecological regions.
- Studies on the role of fungi in soil health and plant growth.
- Innovative biotechnological applications of fungi, including biofertilizers and biopesticides.

Out of the **14 participants**, **12 posters** were selected as the best for their scientific rigor and presentation quality. These awards were given across different categories, ensuring equal recognition for both UG and PG students, as well as research scholars.

6. Networking and Collaboration

One of the key outcomes of the seminar was the establishment of networking opportunities among participants. Researchers from different institutions were able to discuss potential collaborations, and several attendees expressed their intent to work together on future projects. The role of the **Anusandhan National Research Foundation (ANRF)** was highlighted, which supports research initiatives in India by fostering private sector-driven innovation and advancing agricultural technologies. The ANRF's dashboard, which provides real-time updates on national research projects, was discussed as a valuable tool for fostering future collaborations in the field of agro-biotechnology.

7. Conclusions and Recommendations

The seminar concluded with the following key takeaways:

- **Increased funding and focus on fungal research:** It was unanimously agreed that more resources should be directed towards studying fungal biodiversity and its applications, given the vast potential fungi hold in areas like crop protection, sustainable farming, and biotechnology.
- **Strengthening academia-industry-government collaboration:** It was recommended that closer ties be formed between academic institutions, agricultural industries, and government bodies to ensure that the findings from fungal research are translated into practical solutions for farmers.
- **Encouraging student participation in research:** The importance of involving students in research and innovation was emphasized, as their fresh perspectives can lead to new discoveries and breakthroughs.

8. Acknowledgments

The organizing committee expressed deep gratitude to all participants, guests, speakers, and sponsors who made the seminar a grand success. Special thanks were extended to the **MSI and MSI Amravati Unit** for their unwavering support, both in terms of logistics and financial assistance.

Event Online Video Link: <https://www.youtube.com/watch?v=3h-E-ny8L-s>

Brochure



Shri Shivaji Education Society, Amravati's
**Mahatma Fule Arts, Commerce & Sitaramji
Chaudhari Science Mahavidyalaya, Warud,
Dist. Amravati**



**One-Day National Seminar on
Recent Advances in Fungal Biodiversity
& Agro-Biotechnology**
Saturday, 20th September, 2024

Organized by
Department of Botany
In Collaboration With
Mycological Society of India
& MSI Amravati Unit



Dear Sir/ Madam,

Join us for a one-day National seminar focused on the latest breakthroughs in fungal agrobiotechnology—a field that's transforming modern agriculture. This event will cover innovative applications of fungi in boosting crop productivity, improving soil health, and developing sustainable agricultural practices. Learn from leading experts as they will discuss cutting-edge research and practical solutions in areas like biofertilizers, biocontrol, and mycorrhizal networks. Whether you're a professional or a researcher, this seminar offers valuable insights and networking opportunities. We look forward to your participation in exploring the future of sustainable agriculture through fungal agrobiotechnology.

About Shri Shivaji Education Society, Amravati

Shri Shivaji Education Society, Amravati is a premier educational institution of Central India with branches in all the districts of Vidarbha in Maharashtra. It is registered as a Public Charitable Trust (R.N. F/89). Its founder President was the late Dr. Panjabrao alias Bhausaheb Deshmukh who established various schools, colleges, hostels and other teaching and technical institutions and devoted all his energy for strengthening and enlarging the activities of the Shri Shivaji Education Society, Amravati.

The Society was founded by Dr. Panjabrao alias Bhausaheb Deshmukh in December 1932. Presently it is the second largest education society in Maharashtra. Today it runs 24 senior colleges 54 Jr. colleges, 75 middle schools, 35 hostels mainly in the region of Vidarbha but also in other parts of the state. The educational institutions cover areas like agriculture, arts, bio-technology, computers, education, physical education, engineering, horticulture, information technology, law, medicine, micro-biology and the pure sciences. It also runs a Polytechnic for boys and girls at Amravati.

The Society was awarded the Dr. Babasaheb Ambedkar 'Dalit Mitra' Award in 1993-94 by the Govt. of Maharashtra. In the year 1999-2000 the Society was awarded the 'Gadge Maharaj Memorial Award, on 5th September, 2000 the Govt. of Maharashtra declared the Society as the "Best Administered Society" in the state and bestowed upon it a cash award of Rs. 1 lakh. In its citation, the State Government formally recognized the seminal contribution made by the Society in the field of education and cultural advancement.

About College

The college was established in 1960 with Arts Faculty. With the generous help of the philanthropist Late Shri Sitaramji Chaudhari, the Science and Commerce Faculties were introduced. College has now grown into a leading and prestigious educational institution in the Vidarbha Region of Maharashtra. It has been re-accredited with 'B' grade by NAAC, Bangalore. The campus of the college is located on the bank of the sacred river Chudaman. College has kept pace with the requirements in academics of the modern world. College facilitated infrastructure with spacious and well-equipped computer, science laboratories and library in the campus. The college campus is conveniently accessible to all parts of Warud and nearby places. Fully computerized administrative section is always there to help the students. Our motto is quality education to our students from the rural area as the college is surrounded by rural and tribal area. We have introduced many career-oriented programs/courses on the campus.

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About Mycological Society of India

Mycological Society of India (MSI) is founded in January 1973 by a team of mycologists led by Prof. C.V. Subramanian, Former Director, Centre for Advanced Studies in Botany, University of Madras, Chennai, India and former President, International Mycological Association, with a view to bring together the mycologists of the country and with the broad objectives of promoting development of mycology for the prospects and in the widest prospective. A good number of Indian mycologists have also been active in presenting papers, creating collaborations, and even actively participating in the affairs of several international associations. One of the objectives of the MSI is to establish, maintain and strengthen partnerships and linkages with institutions and organizations within India and abroad for the welfare and benefit of mycologists.

At present, there are more than 650 Life Members in the society, Journal "KAVAKA" the official Transactions of the Mycological Society of India publishes original articles and reviews on all aspects of mycology including conventional and molecular taxonomy, phylogeny, diversity, ecology, physiology, biochemistry, molecular biology and biotechnology. MSI publishes 4 issues of Kavaka from 2022. The Mycological Society of India each year seeks applications from prospective candidates to be elected as fellows of the Mycological Society of India (FMSI) through a review process. Every year the Mycological Society of India organizes Annual Meeting along with conference organized by universities and/or Scientific Organizations in various parts of India. The happy occasion of 50th Annual Meeting – Golden jubilee Celebration was Celebrated at Centre for Advanced Studies in Botany, University of Madras, Chennai during March 6 – 8, 2024.

Mycological Society of India has constituted many prestigious Awards. The awardees are invited to share their research work in the form of Award / Memorial lectures during the Annual Meeting of the Society.

Life Time Achievement Award

- Prof. K. R. Aneja Award for Life Time Achievement Awardee
- Prof. C.V. Subramanian Memorial Award
- Dr. V. Agnihotrudu Memorial Award
- Prof. K. Natarajan Memorial Award
- Dr. S.K. Shome Memorial Award
- Prof. P.C. Jain Memorial Award
- Prof. Geeta Sumbali Award for Women Scientists
- Prof. P. Ramachar Memorial Award for Senior Mycologists

For Mid-Aged Scientists (36 - 50 years) – competition by Oral Presentation

- Prof. K.G. Mukerji Memorial Award for Mid-Aged Scientists
- Prof. B. P. R. Vittal Memorial Award for Mid-Aged Scientists
- Prof. J. Muthumary Memorial Award for Mid-Aged Women Scientists

For Young Researchers (up to 35 years) – competition by Oral Presentation

- Dr. M. J. Thirumalachar Memorial Merit Award for Young Mycologists
- Dr. Mrs. Sushma Aneja Memorial Award for Young Researchers
- Prof. K. R. Aneja and Dr. Mrs. Sushma Aneja Memorial Award for Young Researchers for Poster Presentation
- Prof. T.N. Lakhanpal Award to Young Researchers for Fundamental Mycological Research

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About MSI Amravati Unit

MSI Amravati unit, established on 10 January 2022 at Shri Shivaji Science College, Amravati, is committed to advancing the field of Mycology & Plant Pathology through a broad range of initiatives. The collaboration between MSI and its Amravati unit aims to generate awareness and foster interest in Mycology among students, teachers, and researchers by organizing seminars, symposiums, conferences, lectures, and field tours. This partnership emphasizes the importance of field trips for fungal exploration and promotes the conservation and preservation of Mycoflora.

In addition to these educational efforts, the collaboration seeks to address agricultural challenges by raising awareness among farmers about plant disease problems and developing sustainable, eco-friendly mycotechnologies for agriculture. The propagation of mushroom cultivation technology is a key focus, aiming to benefit rural and tribal communities through self-employment opportunities. Furthermore, the partnership is dedicated to developing biofertilizer and biopesticide technologies tailored to the needs of these communities.

To extend its impact, the MSI-Amravati unit plans to establish centers and sub-centers across the Vidarbha region, fostering a network of like-minded institutions. The collaboration also includes associations with national and international Mycological societies, facilitating the dissemination of innovative technologies across India. By organizing academic competitions such as quizzes, poster exhibitions, and seminars for undergraduate and postgraduate students, the partnership aims to nurture the next generation of Mycologists. Additionally, the MSI-Amravati unit is keen to develop collaborations with universities, NGOs, and other institutions that share similar goals, further enhancing the reach and impact of their initiatives.

Office Bearer of MSI Amravati Unit**President****Dr. D. V. Hande****Secretary****Dr. A. K. Gade****Treasurer****Dr. G. B. Hedawoo****Council Members****Dr. N. H. Shahare****Dr. S. P. Khodke**

About Seminar

The seminar on "Recent Advances in Fungal Biodiversity & Agro-Biotechnology" aims to delve into the rapidly evolving field of fungal research, highlighting its significant contributions to agriculture and biotechnology. Fungi, with their immense diversity, play crucial roles in various ecosystems, including agriculture, where they contribute to soil fertility, plant health, and disease control. This seminar will bring together leading experts, researchers, and students to discuss the latest advancements in fungal taxonomy, ecology, and biotechnology.

The event will cover topics such as the identification of new fungal species, their ecological interactions, and their potential applications in sustainable agriculture. Special emphasis will be placed on the use of fungi in agro-biotechnology, exploring how they can be harnessed for crop improvement, biocontrol of pests and diseases, and enhancement of soil health. Attendees will have the opportunity to learn about innovative biotechnological tools and techniques that utilize fungal organisms to address current challenges in agriculture, such as increasing crop yields and reducing dependency on chemical inputs.

This seminar will also provide a platform for networking and collaboration among participants, fostering the exchange of ideas and the development of new research partnerships. By the end of the seminar, attendees will have gained a deeper understanding of the critical role of fungi play in agro-ecosystems and how cutting-edge biotechnological approaches can be applied to enhance agricultural productivity and sustainability.

- Speakers -

Prof. Dr. R. N. Kharwar
President
Mycological Society of India
Professor
Department of Botany
Banaras Hindu University, Varanasi



Prof. Dr. A. K. Gade
Polonez BIS Fellow,
Department of Microbiology, Nicolaus
Copernicus University, Torun, Poland

Poster Presentation

Five minutes time will be given to each presenter for the presentation of his / her Poster. A space of 1 x 1 meter size will be allotted to poster presenter for display of each poster.

Abstract

Abstract should be submitted online along with the registration fee receipt, which is labelled with participant's name. Abstract of the registered candidates only, will be considered for poster presentation and for publication in souvenir. A participant can present a maximum one poster. Abstract received after last date will not consider for publication.

Abstract of original and unpublished work in the thrust areas / sub-themes of seminar are invited. Abstract of the research should not exceed 300 words. Font papers : MS-Word using Times New Roman font with line spacing 1.5 and font size as given below.

Title - 14 points. **Author(s)** - 12 points. **Affiliation and e-mail** - 10 points. **Abstract** - 12 points.

Abstract should be sent on – **Email ID** – mfmobotany@gmail.com **Before the 14/09/2024**

Registration Fee details

Categories	Early Registration (Before 10 th September)	Spot Registration (After 10 th September)
R & D Organizations / Industrialists	Rs.600/-	Rs.700/-
Delegates / Faculty Members	Rs.500/-	Rs.600/-
Research Scholars	Rs.300/-	Rs.400/-
PG Students	Rs.200/-	Rs.300/-
UG Students	Rs.200/-	Rs.300/-

Last Date of Registration : 14th September 2024 up to 5.00 PM

Bank Name : ICICI Bank

Account No. : 405801000280

IFSC Code : ICIC0004058



Registration Link : <https://forms.gle/kG8RKv7EA6xPV6QK8>

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Invitation Card


Shri Shivaji Education Society, Amravati's
**Mahatma Fule Arts, Commerce & Sitaramji Chaudhari
Science Mahavidyalaya, Warud, Dist. Amravati**

Invitation

**ONE-DAY NATIONAL SEMINAR ON
"RECENT ADVANCES IN FUNGAL BIODIVERSITY
& AGRO-BIOTECHNOLOGY"**

VALEDICTORY FUNCTION
Date : 20th September, 2024 at 3.30 pm
Venue : Dr. Panjabrao Deshmukh Auditorium

President
Dr. D. V. Hande
Principal

Chief Guest
Dr. J. A. Tidke
Ex. Pro Vice-Chancellor

PROGRAMME
Friday, 20.09.2024

10.00-10.30	:	Registration & High-Tea
10.30-11.30	:	Inaugural Function
11.30-01.30	:	Technical Session
01.30-02.30	:	Luch Break
02.30-03.30	:	Poster Presentation
03.30-04.30	:	Valedictory Function

Kindly Grace the Function with your Presence
Organizing Committee
Dr. S. V. Satpute Dr. M. B. Bobade Mr. S. S. Sakhare


Shri Shivaji Education Society, Amravati's
**Mahatma Fule Arts, Commerce & Sitaramji Chaudhari
Science Mahavidyalaya, Warud, Dist. Amravati**

Invitation

**ONE-DAY NATIONAL SEMINAR ON
"RECENT ADVANCES IN FUNGAL BIODIVERSITY
& AGRO-BIOTECHNOLOGY"**

INAUGURAL FUNCTION
We are glad to inform you that our college is organizing a One-Day National Seminar on "Recent Advances in Fungal Biodiversity & Agro-Biotechnology" in collaboration with Mycological Society of India and MSI Amravati Unit. We extend our cordial invitation for **Inaugural Function** of this event on **Friday 20th September, 2024 at 10.30 am** in Dr. Panjabrao Deshmukh Auditorium

Chair Person
Hon'ble Shri. Harshvardhanji P. Deshmukh
President
Shri Shivaji Education Society, Amravati

Chief Guest
Hon'ble Dr. M. P. Dhore
Pro Vice-Chancellor
Sant Gadge Baba Amravati University, Amravati

Inaugurator
Hon'ble Prof. R. N. Kharwar
President
Mycological Society of India

Kindly Grace the Function with your Presence
Convener
Dr. D. V. Hande
Principal

Photograph





List of Participant

1	Dr. Suchita Wasudev Dighe	Shri Pundlik Maharaj Mahavidyalaya Nandura Rly Dist Buladana	Faculty
2	Dr. Rupali Prakash Shirsat	Shri Dr. R. G. Rathod Arts and Science College, Murtizapur Dist-Akola	Faculty
3	Ms. Shital Sitaramji Doijod	Shri. Dnyanesh Mahavidyalaya, Nawargaon	Research Scholar
4	Mr. Nitin Vijayrao Ingole	Shri Shivaji College of Agril Biotechnology Amravati	Research Scholar
5	Dr. Santosh S. Chikte	Shri Shivaji College of Agril. Biotechnology, Amravati	Faculty Members
6	Dr. Ninad Dharkar	S.P.M.Sciene And Gilani Arts Commerce College Ghatanji	Faculty Members
7	Ms. Bhargavi Sharad Kalmegh	Jagdamba Mahavidyalay, Achalpur	UG Student
8	Dr. Vishal P. Deshmukh	Jagadamba Mahavidyalaya Achalpur city	Faculty Members
9	Dr. Prdhnnya Ganesh Khapekar	Jagadamba Mahavidyalaya Achalpur	Faculty Members
10	Dr. Pankaj Shesharao. Kaste	J. D. Patil Sangludkar Mahavidyalaya, Daryapur	Faculty Members
11	Dr.Manik M.Dhore	Shri Shivaji Arts, Commerce and Science College,Akot	Faculty Members
12	Mr.Shrikant Anandrao Shelke	Shri Shivaji Science College Amravati	Research Scholar
13	Mr.Anand Manoharrao Deshmukh	Shri Shivaji Science College Amravati	Research Scholar
14	Mr.Swapnil Bhaurao Dongare	Shri Shivaji Science College, Amravati	Research Scholar
15	Dr.B.S.Jyothsna	Nrupathunga University, Bangalore	Faculty Members
16	Deepali A Bharsakale	Shri Shivaji Science College Amravati	Research Scholar
17	Dr.Gajanan Dinkar Mule	Swami Vivekanand senior College mantha Dist Jalna	Faculty Members
18	Mr.Himanshu Sushilkumar Jaiswal	J. D. Patil Sangludkar Mahavidyalaya, Daryapur	Faculty Members
19	Mr.Abhijeet Arun Pakhare	Jagadamba Mahavidyalaya, Achalpur City	Faculty Members
20	Dr.Mahendra Ramesh Bhise	Late Ku. Durga K. Banmeru Science College, Lonar	Faculty Members
21	Mr. Sambhaji Subhash Gawali	Smt Sindhutai Jadhao Art's and Science Mahavidyalay Mehkar	Research Scholar
22	Dr. Minal J. Keche	Rajarshee Shahu Science College Chandur Railway	Faculty Members
23	Dr. Sanjay I. Ghugal	Science College Pauni Dist. Bhandara	Faculty Members
24	Avinash Kashinath Aney	Science College Pauni Dist. Bhandara	Faculty Members
25	YAHYAKHAN AMIRKHAN PATHAN	J. A. T. Arts, Science & Commerce College, Malegaon (Nashik)	Faculty Members
26	Vaishnavi Anilrao Ingale	Shri Shivaji Science College, Amravati	Research Scholar
27	Kishor Punjaji Suradkar	Indira Mahavidyalaya Kalamb Dist.Yavatmal	Faculty Members
28	SANJAY B.THORAT	BAR R.D.I.K & N.K.D COLLEGE BADNERA AMRAVATI	Faculty Members
29	Surendra Ramrao Sinkar	Arvindbabu Deshmukh Mahavidyalaya, Bharsingi	Research Scholar
30	Dr. Pravin A. Theng	Shri Shivaji Arts, Commerce and science College, Motala Dist. Buldhana	Faculty Members
31	Vivek Devidas Samarth	Indira Gandhi Kala Mahavidyalaya Ralegaon. District Yavatmal	Research Scholar
32	Nilesh Pandurang Bhosale	Siddharth Arts, Commerce and Science College Jafrabad Dist. Jalna	Faculty Members
33	Dr. VIJAYSHREE M. HEMKE	Shri Shivaji Science and Arts College Chikhali	Faculty Members
34	Kanchan Kisanrao Damare	Brijlal Biyani Science College Amravati	Research Scholar

35	Suchita P. Khodke	Vinayak Science College, Nandgaon Khandeshwar	Faculty Members
36	Shilanand Vitthalrao Hiwarale	Vinayak Vidnyan Mahavidyalaya Nandgaon Khandeshwar Dist-Amravati	Faculty Members
37	SHAIFALI SHARMA	Sanjeev Agrawal Global Educational (SAGE) University	Research Scholar
38	GAYATRI DILIP HANDE	SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI	Faculty Members
39	Shyam G. Ingle	Shri Shivaji Science College, Amravati	Research Scholar
40	Srushti Ganesh Nisal	Shri Shivaji College Of Agril Biotechnology Amravati	UG Student
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51	Bharat Raghunath Nagare	Shri Shivaji Arts Commerce and Science College Akot	Research Scholar
52	Sumitkumar Laxmanrao Mirge	Shri Shivaji Arts, Commerce & Science College, Akot	Research Scholar
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54	Atul s Dange	Shri shivaji science college	Research Scholar
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60	Prashant A. Gawande	Sant Gadge baba Amravati University	Faculty Members
61	Narendra Shahare	Brijlal Biyani College Amravati	Faculty Members
62	Jayesh Pande	arts Commerce & Science College Arvi	Faculty Members
63	Dr. A. S. Dahat	arts Commerce & Science College Arvi	Faculty Members
64	K. U. Makode	R. S. College Anjangaon Surji	Faculty Members
65	Dr. Sharayu Deshmukh	Shri Shivaji Science College Nagpur	Faculty Members
66	Soumya S Yadav	Shri Shivaji Science College Nagpur	UG Student
67	Sanvay Satpute	Shri Shivaji Science College Nagpur	UG Student
68	Dipesh G. Yadav	Shri Shivaji Science College Nagpur	UG Student
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72	Mr. V. S. Bawane	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
73	Dr. S. A. Kalmegh	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
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75	Mr. L. S. Pawar	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
76	Mr. S. T. Ghorpade	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
77	Dr. S. V. Satpute	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
78	Mrs. M. R. Umekar	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
79	Dr. S. R. Kondulkar	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
80	Dr. R. P. Ganorkar	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
81	Dr. A. K. Wanjari	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
82	Dr. V. S. Panchawate	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
83	Mr. K. D. Ingle	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
84	Mr. S. R. Kolteke	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
85	Dr. A. Shahzad Ab Majeed	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
86	Ku. A. B. Patil	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
87	Ku. P. U. Belsare	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
88	Dr. Sau. R. Y. Bakale	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
89	Mr. V. R. Hiranwale	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
90	Dr. N. N. Sarkar	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
91	Dr. M. B. Bobade	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
92	Dr. U. B. Sangolkar	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
93	Dr. N. A. Bodakhe	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
94	Mr. S. S. Sakhare	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Faculty
95	Sanket Anilrao Sirsat	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Research Scholar
96	Sanajahin Ahmadkhan Pathan	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
97	Ku Maheshwari prakashrao pandav	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
98	Bhavika Durgadas Almast	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
99	Kalyani Dilip Ande	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Research Scholar

100	Shilpa Gajanan Dhokane	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
101	Prashika vijayrao maliye	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
102	Shashibhushan shrikhande	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Research Scholar
103	Vrushali prakash khurad	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
104	Pratiksha sudhakar wagh	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	Research Scholar
105	Kshitija Pawanrao Harle	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
106	Meenal Giridhar Maski	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
107	Vedika vijay belsare	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
108	Punam prabhakar chore	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
109	Jayshri Sahebrao Shirbhate	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
110	Pratiksha yuvraj gedam	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
111	Chetana Marotrao Mogare	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
112	Sakshi Danraj thakare	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
113	Chaitali Ashokrao Tingane	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
114	Sapna Rupraoji kanher	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
115	Anuradha Subhash charpe	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
116	Aakansha belasre	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
117	Tanvi Vikasrao Kale	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
118	Mrunmayi Ramesh Gawande	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
119	Amrinjahan Chandkhan Pathan	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
120	Shreya sureshrao shirbhate	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
121	Aashay Gangadhar Dawande	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
123	Divyansh Prashant Bhujade	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
124	Punam Patankar	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	UG Student
125	Anjali R. Borkar	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
126	Punam K. Warhokar	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
127	Sonali R. Jane	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
128	Pranchal R. Gharpure	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
129	Kanchan K. Satpute	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student

130	Shraddha S. Kubde	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
131	Pratiksha G. Chorde	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
132	Pranjali K. Wanode	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
133	Ritu V. Manohare	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
134	Mayur S. Jagtap	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
135	Sakshi P. Jane	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
136	Samreen Sadaf	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
137	Zeeshan Ahmad	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
138	Aaliya T. A. Shakoar	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
139	Punam D. Dudhane	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
140	Tejaswini S. Ingle	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	PG Student
141	Punam Patankar	Mahatma Fule Art's commerce and Sitaramji Chaudhari science Mahavidyalaya Warud	UG Student

Appreciation letter



Shri. Shivaji Education Society, Amravati's
**Mahatma Fule Arts, Commerce & Sitaramji
Chaudhari Science Mahavidyalaya, Warud.**

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College Code: 104 || Email: mfm1_warud@rediffmail.com || Website: <https://mfulecollegewarud.ac.in>

Outer No. MFM/

Date: / /

To,
Prof. R N Kharwar,
President,
Mycological Society of India
Professor
Banaras Hindu University, Varanasi.

Respected Sir,

We extend our heartfelt gratitude for your exceptional efforts as the Guest Speaker at the One Day National Seminar on "**Recent Advances in Fungal Biodiversity & Agri-Biotechnology**" which is being organized by the Department of Botany and IQAC in collaboration with the Mycological Society of India and the MSI Amravati Unit, on 20th September 2024 (Friday).

We deeply appreciate the time and effort you have invested in preparing for this event, and we are confident that your contribution will make a lasting impact. Thank you once again for your commitment to enriching this seminar and supporting its goals. We eagerly anticipate the knowledge and inspiration you will bring to the gathering.

We hope to have your same cooperation in future also.

Thank you.


Dr. D. V. Hande
Principal



Shri. Shivaji Education Society, Amravati's
**Mahatma Fule Arts, Commerce & Sitaramji
Chaudhari Science Mahavidyalaya, Warud.**

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Outer No. MFM/

Date: / /

To,
Dr. Aniket K. Gade,
Polonez BIS Fellow,
Department of Microbiology,
Nicolaus Copernicus University,
Torun, Poland.

Respected Sir,

We extend our heartfelt gratitude for your exceptional efforts as the Guest Speaker at the One Day National Seminar on "**Recent Advances in Fungal Biodiversity & Agri-Biotechnology**" which is being organized by the Department of Botany and IQAC in collaboration with the Mycological Society of India and the MSI Amravati Unit, on 20th September 2024 (Friday).

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We hope to have your same cooperation in future also.

Thank you.

Dr. D. V. Hande
Principal

Participant Certificate


Shri Shivaji Education Society, Amravati's
**Mahatma Fule Arts, Commerce & Sitaramji Chaudhari
Science Mahavidyalaya, Warud, Dist. Amravati**


**ONE-DAY NATIONAL SEMINAR ON
"RECENT ADVANCES IN FUNGAL BIODIVERSITY & AGRO-BIOTECHNOLOGY"**
- Organized by -
Department of Botany & IQAC in collaboration with Mycological Society of India and MSI Amravati Unit
Date : 20th September, 2024

CERTIFICATE

This is to certify that,

Prof. Dr. S. V. Satpute *Shaizali Sharma*
of *Sanjeev Agrawal Global Educational (SAGE) University*
has actively participated in the National Seminar held on 20th September, 2024 and attended/ presented a poster
entitled *Molecular identification - - - - - of site of Lameta Rock formations.*


Prof. S. V. Satpute
(IQAC Coordinator)
Organizing Secretary


Prof. D. V. Hande
Principal

खेती जैवतंत्रज्ञान पर राष्ट्रीय चर्चासत्र



वरुड - महात्मा फुले कॉलेज के वनस्पति शास्त्र विभाग अंतर्गत खेती जैवतंत्रज्ञान विषय पर एक दिवसीय राष्ट्रीय चर्चासत्र उत्साह से हुआ. चर्चासत्र का उद्घाटन, दीप प्रज्वलन व प्रतिमा का पूजन हर्षवर्धन देशमुख ने किया. प्रमुख अतिथि प्र-कुलगुरु महेंद्र ढोरे, उद्घाटक प्रो.आर.एन. खारवार, प्राचार्य डॉ.दिलीप हांडे, डॉ.संजय सातपुते उपस्थित थे. इस समय चर्चासत्र के मुख्य विषय से संबंधित वॉल पोस्टर प्रस्तुतिकरण का आयोजन किया था.

कृषक जैवविधिता शेती जैवतंत्रज्ञानावर राष्ट्रीय चर्चासत्र



सहभाग नोंदविला होता. पारिस्थिक प्राण विज्ञानाच्या समारोपीय कार्यक्रमात प्रमुख मान्यवर्तींच्या हस्ते सन्मानचिन्ह व प्रमाणपत्र देऊन गौरविण्यात आले. संचालन प्रा. दीपांबर वानखेडे, समारोप सज्जधे संचालन प्रा. सचिन मोरले, आभार प्रा. शुभम साखरे यांनी मानले. संयोजक डॉ. दिलीप हांडे, आयोजन सचिव डॉ. संजय सातपुते, सहआयोजक डॉ. मंगेश बोबडे, खाजिनदार प्रा. शुभम साखरे यांनी परिश्रम घेतले.

विदर्भ मतदार



महात्मा फुले महाविद्यालयात राष्ट्रीय चर्चासत्र

नमस्कार अमरावती
वरुड (व. व. दि. २३): स्वतंत्र महाराष्ट्राचा पुनर्नाम, चळविले व सौतारपयले नैधीन विज्ञान महाविद्यालयातील वनस्पतीशास्त्र विभाग, अंतर्गत गुरुवारी हनी केश, भारतीय कृषक संस्था व भारतीय कृषक संस्था अन्तर्गत पंचक वाय्वा संयुक्त विद्यमाने कृषक जैवविधिता आणि शेती जैवतंत्रज्ञान या विषयावर एक दिवसीय राष्ट्रीय चर्चासत्र उपलब्ध पार पडले.
 कार्यक्रमाच्या उद्घाटनार्थी श्री निचाजी शिवाजी संस्थेचे अध्यक्ष हर्षवर्धन देशमुख हे प्रमुख अतिथी संत गाडगेबाबा अमरावती विद्यापीठातून प्र कुलगुरु महेंद्र ढोरे, भारतीय कृषक संस्था चेहरेचे अध्यक्ष प्रो. आर. एन. खारवार, प्राचार्य डॉ. दिलीप हांडे, डॉ. संजय सातपुते होते. वारंदाची मान्यवरांचे हस्ते लोपचिह्नधान्या स्मरणिकेचे प्रकाशन करण्यात आले. महाविद्यालयातील प्रयोगशाळेतील संशोधन हे शेती व जैवतंत्रज्ञानाच्या विषयांच्या समर्थक सोदविण्यासाठी उपयोगी ठरणे असून अज्ञानवाद हर्षवर्धन देशमुख यांनी क्लम केला. शिवाजी शिक्षण संस्था, अमरावतीच्या शैक्षणिक गुणवत्ता नागरीक हा संकेत अमूर

वरुड दर्पण

कृषक जैवविधिता आणि शेती जैवतंत्रज्ञान पर विचारसत्र



महात्मा फुले महाविद्यालयात राष्ट्रीय चर्चासत्र
 वरुड (व. व. दि. २३): स्वतंत्र महाराष्ट्राचा पुनर्नाम, चळविले व सौतारपयले नैधीन विज्ञान महाविद्यालयातील वनस्पतीशास्त्र विभाग, अंतर्गत गुरुवारी हनी केश, भारतीय कृषक संस्था व भारतीय कृषक संस्था अन्तर्गत पंचक वाय्वा संयुक्त विद्यमाने कृषक जैवविधिता आणि शेती जैवतंत्रज्ञान या विषयावर एक दिवसीय राष्ट्रीय चर्चासत्र उपलब्ध पार पडले.
 कार्यक्रमाच्या उद्घाटनार्थी श्री निचाजी शिवाजी संस्थेचे अध्यक्ष हर्षवर्धन देशमुख हे प्रमुख अतिथी संत गाडगेबाबा अमरावती विद्यापीठातून प्र कुलगुरु महेंद्र ढोरे, भारतीय कृषक संस्था चेहरेचे अध्यक्ष प्रो. आर. एन. खारवार, प्राचार्य डॉ. दिलीप हांडे, डॉ. संजय सातपुते होते. वारंदाची मान्यवरांचे हस्ते लोपचिह्नधान्या स्मरणिकेचे प्रकाशन करण्यात आले. महाविद्यालयातील प्रयोगशाळेतील संशोधन हे शेती व जैवतंत्रज्ञानाच्या विषयांच्या समर्थक सोदविण्यासाठी उपयोगी ठरणे असून अज्ञानवाद हर्षवर्धन देशमुख यांनी क्लम केला. शिवाजी शिक्षण संस्था, अमरावतीच्या शैक्षणिक गुणवत्ता नागरीक हा संकेत अमूर

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