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# ANUSANDHAAN

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## NATIONAL SEMINAR SPECIAL ISSUE



DEPARTMENT OF BOTANY AND MICROBIOLOGY  
Government M.H. College of Home Science and  
Science for Women (Autonomous), Jabalpur



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Annual Research Journal  
**ANUSANDHAN**  
**अनुसंधान**



**Govt. M.H. College of Home Science & Science  
for Women, Autonomous, Jabalpur (M.P.)**





**Prof. Rajesh Verma**  
Vice Chancellor  
Rani Durgavati University, Jabalpur

## **Message**

Dear Participants, Distinguished Guests, and Colleagues,

It gives me immense pleasure to extend my warmest greetings and best wishes to all of you as we gather for this important seminar. The exchange of ideas and sharing of knowledge are at the heart of academic and professional growth, and I am confident that the discussions and interactions over the course of this seminar will inspire new perspectives and foster deeper understanding.

As an institution, we remain committed to supporting initiatives that contribute to the advancement of knowledge, encourage critical thinking, and nurture innovation. This seminar stands as a testament to our collective dedication to these principles, bringing together experts and thought leaders from diverse fields to collaborate and explore the challenges and opportunities that lie ahead.

I would like to express my sincere appreciation to the organizing committee, speakers, and participants for their commitment and contribution to making this seminar a success. I encourage everyone to actively engage, exchange ideas, and make the most of this valuable opportunity.

I wish you all an enriching and productive experience, and I look forward to the outcomes and insights that will emerge from our discussions.

Best regards,

**Prof. Rajesh Verma**



**Dr. Akhilesh Kumar Pandey**  
Vice Chancellor  
Vikram University, Ujjain (M.P.)

## Message

It is with great pleasure that I extend my best wishes to all the esteemed participants, speakers, and organizers of this National Seminar. This event marks a significant occasion for intellectual exchange and academic collaboration, bringing together scholars, researchers, and thought leaders to explore pressing issues in [insert field or theme of the seminar].

The proceedings of this seminar will undoubtedly contribute to the growth of knowledge and foster new perspectives that will enrich our academic community. I am confident that the discussions and insights shared here will lead to impactful outcomes, inspiring future research and innovations.

I commend the organizing committee for their commitment and hard work in bringing this seminar to life. To all the participants, I encourage you to engage deeply, share your knowledge, and form meaningful connections that will continue to inspire you long after this event.

I wish you all a successful and rewarding experience throughout the seminar.

Best regards,

**Dr. Akhilesh Kumar Pandey**





**Prof. Santosh Jatav**  
Additional Director  
Jabalpur division  
M.P. Higher Education

## Message

It is with great pleasure and enthusiasm that I extend my heartfelt best wishes to all the distinguished speakers, participants, and organizers of this National Seminar. This event stands as a testament to the collaborative spirit of academic inquiry, and I am truly delighted to see such an esteemed gathering of minds from across the country.

The theme of this seminar, **Ethnobotany in Ancient Wisdom**, is not only timely but also essential in shaping the future of our discipline. It is through events like these that we create a platform for exchanging innovative ideas, fostering critical dialogue, and nurturing new perspectives. The proceedings of this seminar will undoubtedly provide a wealth of knowledge that will inspire future research, contribute to academic growth, and further strengthen the foundation of our collective understanding.

I would like to commend the organizing committee for their hard work and dedication in bringing this seminar to fruition. Your efforts in making this event a success are truly commendable. To all the speakers and participants, I encourage you to take full advantage of the opportunities this seminar provides for intellectual engagement and networking.

I am confident that the insights shared here will have a lasting impact on both the academic community and beyond, driving forward progress in our field. I wish you all a productive and enriching experience as you explore new ideas, build connections, and push the boundaries of knowledge.

Best wishes for a successful and inspiring seminar.

**Prof. Santosh Jatav**





**Prof. S. P. Gautam**  
Retd. Professor  
Department of Bio-Sciences  
Rani Durgavati University, Jabalpur

## Message

Dear Organizers, Participants, and Esteemed Guests,

It is with great pleasure that I extend my warmest greetings and best wishes for the success of the National Seminar on Ethnobotany. This seminar provides an invaluable platform for experts, researchers, and practitioners to share their insights and experiences on the vital role that plants play in indigenous cultures, traditional medicine, and sustainable living.

The intersection of ethnobotany and scientific research has immense potential to contribute to global knowledge on biodiversity conservation and resource management. By exploring the intricate relationships between plants, people, and ecosystems, this seminar offers an opportunity to bridge gaps between traditional wisdom and modern scientific innovations.

I commend all those involved in organizing this event, and I am confident that the discussions and collaborations that take place over the course of this seminar will inspire new ideas, foster important partnerships, and drive future research in the field of ethnobotany.

I wish you all a productive, insightful, and enriching experience. May this seminar be a resounding success in furthering the understanding of ethnobotany's critical role in sustaining our natural heritage.

Warm regards,

**Prof. S. P. Gautam**





**Dr. Anuradha Dave**  
**Convenor & Head**  
Department of Botany and Microbiology

## Message

On behalf of the organizing committee, I extend my heartfelt congratulations and best wishes to all the participants, presenters, and contributors of this National Seminar. It is with great pride that we come together to share knowledge, engage in thoughtful discussions, and explore new frontiers in our respective fields.

The proceedings of this seminar, compiled here, are a testament to the dedication, hard work, and intellectual rigor that all of you have put into your research and presentations. As we move forward, I hope that the ideas, insights, and collaborations generated here will pave the way for further academic and professional growth, both individually and collectively.

It is my sincere belief that the discussions from this seminar will not only enhance our understanding but will also inspire future endeavors in the field. I look forward to seeing how the ideas shared here will influence future work and lead to positive change in the years to come.

Once again, I offer my deepest thanks to all those involved in making this seminar a success, and I wish you all the best in your future academic and professional pursuits.

**With warm regards,**

**Dr. Anuradha Dave**



## Editorial

The department of Botany and Microbiology has organized a two-day National Seminar on Ethnobotany in Ancient Wisdom: Bridging Traditional Knowledge with Modern Science on 30 Sept - 1 Oct, 2024 under the aegis of IQAC. This program was conducted under the guidance of the Principal, Dr. Nandita Sarkar and the Head of the Department, Dr. Anuradha Dave. The chief guest for the first day was Prof. Rajesh Verma, Vice Chancellor (R.D.V.V, Jabalpur). Special guest Prof. P.K. Mishra, Vice Chancellor, (JNKVV, Jabalpur), Prof. Chitralkha Chauhan, former principal (Govt M. H. College of Home Science and Science for Women, Jabalpur), were present. In the technical session-I of the first day, the key speaker was Dr. Hemant Kumar Pandey, Associate Director (Defense Institute of Bio Energy Research, Pithoragarh, Uttaranchal India). In the technical session-II of the first day, the key speaker, Dr. Akhilesh Kumar Pandey, Vice-Chancellor (Vikram University, Ujjain) gave a lecture on the importance of plants in Indian culture, health and spirituality: beliefs, science and facts.

Chief Guest for the second day were, Prof. S. P. Gautam, retired (R.D.V.V, Jabalpur) and Prof. Santosh Jatav, Additional Director (Higher Education Department, Jabalpur Division, Madhya Pradesh). The key speaker of the second day, Dr. Vandana Pandey Scientist (Defence Institute of Bio Energy Research, Pithoragarh, Uttaranchal India) delivered a lecture on "Research and Development Efforts by Defense Institute of Bioenergy Research (DIBER) on High Value Vegetable Crops in Central Hill Climatic Conditions of Western Himalayas".

Ethnobotany is focused on the study of the relationship between humans and plants, particularly the traditional knowledge and cultural practices related to plants and their uses. These seminars typically involve experts, researchers, and practitioners sharing insights into how different cultures utilize plants for medicinal, nutritional, spiritual, and material purposes. This special issues comprises of research articles of Professors, research scholars and students.

The National seminar was a successful event where the attendees benefitted from the eminent speakers.

**Committees for NATIONAL SEMINAR**  
**On**  
**Ethnobotany in Ancient Wisdom: Bridging Traditional**  
**Knowledge with Modern Science**

Organized by  
 Department of Botany and Microbiology  
 Date: 30<sup>th</sup> Sept, 2024

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	<b>Shurbhita Uikey</b>	<b>MSC-BOT</b>
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	<b>Megha Chaturvedi</b>	<b>MSC-BOT</b>
<b>Presentation</b>	<b>Aakrati Tekam</b>	<b>MSC-BOT</b>
	<b>Sakshi Sharma</b>	<b>MSC-BOT</b>
<b>Refreshment</b>	<b>Ayushi Mishra</b>	<b>MSC-BOT</b>
	<b>Somya Shukla</b>	<b>MSC-BOT</b>
<b>Photo</b>	<b>Anuradha Kushram</b>	<b>MSC-BOT</b>

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## ENGAGING IN SOCIAL INTERACTION WITH DELEGATES DURING NATIONAL SEMINAR

