

6th PSRM

11 - 12 MARCH, 2024

National Conference On
Current Trends in Agriculture,
Applied and Life Sciences

and
AWARDS



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**6TH PLANT SCIENCE
RESEARCHERS MEET**

**PANIPAT
2024**



6th Plant Science Researchers Meet (PSRM)

National Conference On Current Trends in Agriculture, Applied and Life Sciences

11 - 12 March, 2024 www.pgrindias.in

Organized by



**PLANTICA- Association of Plant Science Researchers (APSR),
PLANTICA- Indian Academy of Rural Development (IARD)**
Dehradun, Uttarakhand, India

Co- Organized & Hosted by (Venue)



Geeta University, Naultha, Panipat, Haryana

In Collaboration with

**Shri Dev Suman Uttarakhand University,
Rishikesh, Uttarakhand
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Uttarakhand Open University,
Haldwani, Uttarakhand
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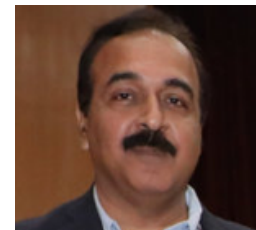
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About Us

PLANTICA

Plantica Foundation, Registered under The Indian Trust Act, 1882 and Ministry of MSME Govt. of India, located at Dehradun, Uttarakhand. Plantica Foundation is an ISO 9001:2015 certified organization for quality standards and Recognized as "Authorized Training and Research Centre" by Sri Dev Suman Uttarakhand University and Uttarakhand Open University (State Govt. University of Uttarakhand). Since its establishment in 2017, Plantica is a key player for training and capacity building in Agriculture and its applications through training, education and research in India. The training, education and capacity building programmes of the academy are designed to meet the requirements of Professionals at working levels, fresh graduates, researchers, academia, and decision makers (www.plantica.in). Plantica starts the work with the formation of an all India based academic and scientific group of researchers (Plantica Group of Researchers- PGR, India- www.pgrindias.in) named Association of Plant Science Researchers (APSR) in 2017.



PLANTICA

Geeta University

Geeta University is a part Geeta Group of Institutions (GGI). Since 1985, the GGI has been delivering quality education ranging from schools to higher educational institutions. Expertise, experience and excellence are the hallmarks of GGI Institutions. Geeta University is aiming to transform lives, working locally and globally through the creation, sharing and application of knowledge. The mission is to create and disseminate knowledge from local to global stage. Geeta University is a local university with a global impact. A premier university at the heart of the historic City of Panipat, Haryana, is working relentlessly for both national and international recognition. Today the University is home for world class research and distinguished teaching, based on the very philosophy of realism, pragmatism and optimism. Its education is known for its highly interactive, collaborative and project-based approach to learning.



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Themes of the Conference

1. Sustainable Agriculture: Innovations and Practices

- Agroecology and regenerative farming
- Precision agriculture and smart farming technologies
- Organic and low-input farming systems
- Climate-smart agriculture and adaptation strategies

2. Crop Science and Biotechnology

- Crop breeding and genetic engineering
- Biotechnological approaches for crop improvement
- Plant-microbe interactions and biocontrol methods
- Novel traits for stress tolerance and enhanced yield

3. Soil Health and Management

- Soil conservation and erosion control
- Soil fertility and nutrient management
- Soil microbiome and its role in agriculture
- Soil remediation and sustainable land use

4. Agricultural Economics and Policy

- Market trends and value chain analysis
- Farm diversification and rural development
- Agricultural policy and trade dynamics
- Economic impacts of technological innovations in agriculture

5. Climate Change and Agriculture

- Mitigation and adaptation strategies for changing climates
- Carbon sequestration in agricultural systems
- Resilience of crops and ecosystems to extreme weather events
- Strategies for reducing greenhouse gas emissions from agriculture

6. Food Security and Nutrition

- Global food supply chains and food security challenges
- Nutritional quality of crops and food products
- Food safety regulations and technologies
- Innovative solutions for addressing malnutrition

7. Digital Agriculture and Data Analytics

- Internet of Things (IoT) applications in agriculture
- Big data analytics for decision-making in farming
- AI and machine learning in agricultural research
- Remote sensing and geospatial technologies for monitoring crops

8. Water Management and Irrigation

- Efficient water use and irrigation techniques
- Drought and water scarcity management
- Water quality and its impact on agriculture
- Sustainable water resource management in agriculture

9. Agripreneurship and Rural Innovation

- Start-ups and innovation in the agricultural sector
- Rural entrepreneurship and value-added products
- Access to credit and finance for smallholder farmers
- Agribusiness development and market linkages

10. Biodiversity and Ecosystem Services

- Agro-biodiversity conservation and utilization
- Role of pollinators and beneficial insects in agriculture
- Ecosystem services provided by agricultural landscapes
- Conservation agriculture and sustainable ecosystem management

11. Interdisciplinary Approaches

- Bridging gaps between different scientific disciplines for innovative solutions.
- Collaborative research in applied sciences for solving complex problems.

12. Emerging Technologies

- Impact of artificial intelligence, machine learning, and data science on applied sciences.
- Nanotechnology and its applications in various fields.
- Advances in renewable energy and sustainable technologies.





Themes of the Conference

13. Environmental Science and Sustainability

- Climate change and its implications on ecosystems and societies.
- Green technologies and eco-friendly solutions.
- Conservation and restoration of biodiversity.

14. Advances in Agriculture and Food Science

- Precision agriculture and sustainable farming practices.
- Food safety, quality assurance, and traceability.
- Genetic engineering and biotechnology in crop improvement.

15. Social Impact of Science and Technology

- Ethical considerations in emerging technologies.
- Science communication and public engagement.
- Technology for social welfare and humanitarian causes.

16. Data Analytics and Visualization

- Big data analysis and visualization techniques.
- Data-driven decision-making in various domains.
- Predictive modeling and trend analysis.

17. Education and Skill Development in Sciences

- Innovative pedagogical methods in science education.
- Bridging the gap between academia and industry.
- Lifelong learning and continuous skill development.

18. Genomics and Biotechnology

- Advances in DNA sequencing and analysis.
- Applications of CRISPR-Cas9 and gene editing technologies.
- Synthetic biology and its potential in life sciences.
- Biotechnology in medicine and agriculture.

19. Bioinformatics and Computational Biology

- Big data analytics in life sciences.
- Predictive modeling and simulations in biology.
- Network analysis in molecular and systems biology.
- AI and machine learning applications in life sciences.

20. Cellular and Molecular Biology

- Cellular signaling pathways and their implications.
- Cellular dynamics and organelle interactions.
- Epigenetics and its role in gene regulation.
- Cancer biology and targeted therapies.

21. Ecology and Environmental Biology

- Biodiversity conservation and ecosystem services.
- Climate change impacts on ecosystems.
- Restoration ecology and sustainable practices.
- Microbial ecology and its role in biogeochemical cycles.

22. Biochemistry and Biophysics

- Protein structure and function studies.
- Enzyme kinetics and mechanisms.
- Structural biology techniques and their applications.
- Biophysical techniques in drug discovery.

23. Plant Biology

- Plant genetics and breeding for improved traits.
- Plant responses to abiotic and biotic stresses.
- Plant-microbe interactions and symbiosis.
- Agricultural biotechnology for sustainable crop production.

24. Ethics and Policy in Life Sciences

- Ethical considerations in genetic research and biotechnology.
- Biosecurity and bioterrorism prevention.
- Regulatory frameworks for emerging biotechnologies.
- Public perception and engagement in life science advancements.





Submit Your Article

Submit your Abstract

The participants are invited to submit their abstracts on the themes of the conference. The abstract should be within 250 - 300 words in english, font "Times New Roman" with size of '12'. The abstracts will be published and released in '**Souvenir and Abstract Book**' on 11th March, 2024 in the Inaugural Session of the conference.

Submit your abstract by e-mail to:
6psrm2024@gmail.com

Full Article Publication

The selected articles from the submitted abstracts will call for full article submission.

The full article will be published in "**Scopus/ Web of Science/ UGC Indexed Journal**".

The publication charges for full article will be communicate very soon with the name of the journal.

The review process and publication fee will be as per the norms of the Journal

Important Dates

Abstract Submission Deadline: 28 February, 2024

Registration Deadline: 05 March, 2024

Award Nomination Deadline: 05 March, 2024

Date of Conference: 11 - 12 March, 2024

Venue

Geeta University, Naultha, Panipat, Haryana





Registration Details

Registration fee includes cost of conference certificate, abstracts and souvenir, conference kit, lunch and high tea:

Offline/ Physical Mode

Online/ Virtual Mode

Faculty/ Scientist/ Professionals:	Rs. 1450/-	Rs. 1150/-
Research Scholar/ Ph.D. Scholar:	Rs. 1250/-	Rs. 1050/-
P. G. Students:	Rs. 850/-	Rs. 650/-
U.G. Students:	Rs. 550/-	Rs. 350/-
On the Spot Registration:	Available	

Accommodation Charges (If required) Excluding Food:

Tariff - I - Rs. 2000/- for Single Room in Hotel - Individual (One night)

Tariff - II - Rs. 1000/- each for Sharing in Hotel- Two Person in a Room (One night)

Tariff - III - Rs. 600/- each for sharing in Hostel- Two or Three Person in a Room (One night)

Conference Awards

Conference Awards are Based on the Research work Presentation (Oral and Poster) in the Conference: "No Need to Register or Apply Separately for the Conference Awards" - Participant have to submit a abstract (by e-mail to 6psrm2024@gmail.com) of his/ her research work and shall present the same work in the conference, the honorable panelist will select the best work through presentation.

Award Category - I: Under Graduate (U.G.) Students

Emerging Researcher Award - I, II and III

Award Category - II: Post Graduate (P.G.) Students

Young Agricultural Researcher Award (Male & Female)

Young Applied & Life Sciences Researcher Award (Male & Female)

Award Category - III: Ph.D. / Research Scholars

Young Agricultural Scientist Award (Male & Female)

Young Applied & Life Scientist Award (Male & Female)

Category - IV: Faculty/ Scientist/ Professionals

Excellence in Agricultural Research Award (Male & Female)

Excellence in Applied & Life Sciences Research Award (Male & Female)



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Conference Registration Link

<https://forms.gle/YnA7B7SumyyVVAq4A>



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JLSSBTA

Shri Jay Lal Singh Solanki Memorial All India Best M.Sc. Thesis Award (JLSS Award- 2023-24)

Late Shri Jay Lal Singh Solanki (7 July 1923 – 17 September 2011) was born in a Solanki family in 1923 in village Lamkana of District Katni in Madhya Pradesh. He was a Progressive farmer and social activist who work to promote rural development. During the last phase of British rule in India, he serve as a gram panchayat Sarpanch for 25 years. He took a deep interest in the rural development and he slowly built his ideological and practical approach toward farmer's welfare and better livelihood of farming community.

“The Awardees (Male and Female Each) get, Certificate, a Trophy, Cash Reward of Rs. 2000/- with Return Ticket”

Call for Nomination

To apply click on the link given below:

<https://forms.gle/Mn8LBcfTm3LnPMsM9>

Or Visit - www.pgrindias.in, Contact us: 8087474880



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Honor

Awards for Appreciation

Nominations are Open Apply for the Award

1. Excellence in Extension Award

(For Scientist, Faculty, Workers associated with KVK/ Research Centre/Institute/Extension Centre/ University)

2. Outstanding Teacher Award

(For Teachers/ Faculty associated with Degree/ P.G. College/ University)

3. Outstanding Scientist Award

(For Scientist associated with KVK/ Research Centre/Institute/Extension Centre/ University)

4. Outstanding Women Scientist Award

(For Women Scientist associated with KVK/ Research Centre/Institute/Extension Centre/ University)

5. Outstanding Agri Startup Award

(For Individual/ Group of Startup related to Agriculture)

6. Outstanding Industry Professional Award

(For Individual/ Group of Professionals Agricultural Industry)

Award Nomination Link

<https://forms.gle/gBXbvLarCzNncNj1A>



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(Geeta Gyan Sansthanam), Kurukshetra**



Jyotisar , Kurukshetra



**Shri Tirupati Balaji Temple,
Kurukshetra**

Welcome to 6th PSRM
National Conference
at

Geeta University, Panipat

