



RAMA DEVI WOMEN'S UNIVERSITY

Vidya Vihar, Bhubaneswar-751022

SEMINARS/CONFERENCES/WORKSHOPS/WEBINARS CONDUCTED BY DEPARTMENT OF BIOTECHNOLOGY

1. Event: Seminar

2. Title of the Event : Planet Pulse Lecture Series

3. Date & Duration: 4th July, 2025 (4 pm – 5:30 pm)

4. Objective/Motivation of the Event:

Climate change refers to long-term shifts in temperatures and weather patterns, mainly caused by human activities such as burning fossil fuels, deforestation, and industrial processes. These activities release large amounts of greenhouse gases like carbon dioxide and methane into the atmosphere, trapping heat and disrupting the Earth's natural climate systems. The effects of climate change are already visible globally — rising sea levels, melting glaciers, unpredictable rainfall, more frequent heatwaves, and stronger storms. In India, climate change is leading to extreme weather events such as floods in Assam, heatwaves in northern states, and water shortages in major cities. Addressing climate change is no longer optional; it is a critical challenge that demands urgent action through policy, innovation, and collective responsibility.

The primary objective of this event is “**Conversation on Conservation**” : to raise awareness and foster informed dialogue on the increasing impact of climate change and extreme weather events in India. As the country continues to experience more frequent and intense phenomena such as heatwaves, floods, cyclones, and droughts, there is an urgent need to understand their causes, consequences, and possible solutions. The seminar is a platform for researchers, policymakers, students, and community leaders to share insights and strategies through education and collaboration.

5. Theme of the Event: Climate Change Science: Patterns, Projections, and Impacts on Indian Subcontinent Weather Systems.

6. Funding Agency:

7. Funds Received (In Rs.):

8. Technical Session (Details)

i. No. of Technical sessions conducted: 01

ii. Title of the Technical sessions: “Climate Change and Extreme Weather Events in India.”

9. Chairperson of the technical session: Prof. Raj Kumar Joshi (Head, Department of Biotechnology)

10. Resource persons (Details): Dr. Sandeep Pattnaik, Associate Professor, School of Earth, Ocean and Climate Sciences, Indian Institute of Technology Bhubaneswar

11. Participants Details (Indicate Numbers only)

- i. Scientists/Faculty/Members of industry: 8**
- ii. Ph. D. Scholars: 15**
- iii. Students: 77**

12. Outcomes of the Event:

The first edition of the *Planet Pulse* lecture series, titled “**Climate Change and Extreme Weather Events in India,**” was an enlightening and thought-provoking experience that brought together students, researchers, and climate enthusiasts. The session provided a comprehensive overview of how climate change is directly influencing the frequency and intensity of extreme weather events such as floods, heatwaves, droughts, and cyclones in various parts of India. Through engaging presentations and expert insights, the lecture explored the scientific mechanisms behind climate variability, highlighted regional vulnerabilities, and discussed the socio-economic implications of these changes. A key highlight of the session was the discussion on the **integration of Artificial Intelligence (AI)** in climate modelling and early warning systems. AI-driven tools are increasingly being used to improve the accuracy of weather predictions, assess risk in real time, and support climate adaptation strategies. The lecture also addressed the **domino effect** of climate change—how one environmental disturbance can trigger a cascade of impacts across ecosystems, agriculture, health, and livelihoods, particularly in vulnerable communities. The event ended with concluding remarks by Prof. Raj Kumar Joshi about the urgent need for data-driven policy decisions, climate-resilient infrastructure, and grassroots awareness. Participants left with a deeper understanding of the critical role that education, innovation, and collective action play in tackling the climate crisis and preparing for future challenges.

13. Recommendations (if any):

The organizing committee was very pleased with the overall execution of the event in a smooth and successful manner.

14. Selected Photographs : Enclosed



Prof. Raj Kumar Joshi and Dr. Sandeep Pattnaik at the inaugural session of the first edition of the Planet Pulse lecture series on "Climate Change and Extreme Weather Events in India."



Dr. Sandeep Pattnaik engaging with the audience during his talk at the Planet Pulse lecture series.



Group photo of esteemed speaker with faculty members, research scholars and students.



Felicitatation of esteemed speaker Dr. Sandeep Pattnaik by Prof. Raj Kumar Joshi, Prof. Sujata Mohanty, Dr Monalisa Mohanty and Dr. Sanjay Kumar Raul.

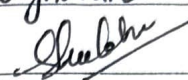
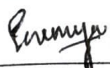
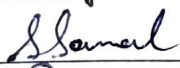
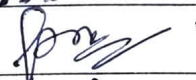
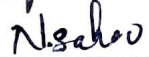
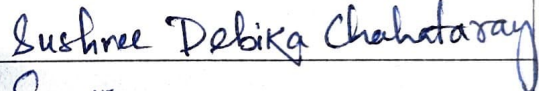
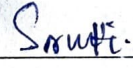
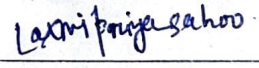
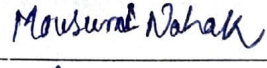
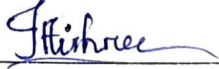
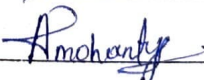
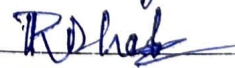
DEPT. OF BIOTECHNOLOGY

Planet Pulse lecture

Seminar

Date : 04/07/2025

Speaker : Dr. Sandeep Pattnaik

Sl.No	Name of The Students	Signature	Date : 4 th July 2025
1	Shubhanshee Sankhleshter Sahu (PhD)		
2	Subhrakali Jena (PhD)		
3	Prachi Das (Ph.D.)		
4	Gomati Nayak (PhD)		
5	Alaka Mohanty (PhD)		
6	Soumya Surajita Sahoo (PhD)		
7	Subhasree Samal (PhD)		
8	Pratikhya Nanda (Ph.D.)		
9	Nitu Sahoo (Ph.D.)		
10	Sushree Debika Chahataray		
11	Smiti Singolha Sahoo, UG 3 rd year		
12	Gilpi Raychoudhury, UG 3 rd year		
13	Laxmi Priya Sahoo, UG 3 rd year		
14	Mousumi Nahak, UG 3 rd year		
15	Itishree Barik, UG 3 rd year		
16	Ankita Mohanty, UG 3 rd year		
17	Rajashree Dhal, UG 3 rd year		
18	Pardali Sorren, UG 3 rd year		
19	Eepel Hembam, UG 3 rd year		
20	Arpita Sahu, UG 3 rd year		
21	Bismupriya Kabari UG 3 rd year		
22			

26	Subhrajyoti Nayak. UG 3rd year	Subhrajyoti Nayak
27	Bhagyashree panda, UG 3rd year	Bhagyashree panda.
28	Jasmin Mandangi, UG 3rd year	Jmandangi
29	Smriti Karna Prasadawani	Smriti
30	Subhakarini Barfi (U.G 3rd yr)	Barfi
31	Rituparna Rout (U.G 3rd year)	Rituparna Rout
32	Shivani Sethi (UG 3rd year)	Shivani Sethi
33	Shreya Bilung	Shreya
34	Anushobhini Ashisha Pradhan	Anushobhini A. Pradhan.
35	Jignyasarani Bagh	JBagh
36	Kirtee Kiran Panda (UG 3rd year)	K.K. Panda.
37	Adira Arushi Patra (UG 3rd year)	Adira A. Patra
38	Blessy Kar (UG 3rd year)	Blessy Kar
39	Kasish Rout (UG 3rd year)	Kasish Rout.
40	Bishnurupa Ghosh (UG 3rd yr)	Bishnurupa.
41	Sarameen Lia (UG 3rd year)	Sarameen Lia
42	Sandamini Pradhan (UG 3rd year)	Spradhan.
43	Anamika Mohanty (U.G. 3rd Year)	A. Mohanty.
44	Snhejyoti Panda (")	Snhejyoti
45	Dibysika Das (UG 3rd year)	D. Das
46	Shibangshree Jena (UG 3rd year)	Shibangshree Jena
47	Madhurambhuta pradhan (UG 3rd year)	pradhan
48	Smriti Pragnya Meher (UG 3rd year)	Smriti Pragnya Meher
49	Indeepta Rout (UG 3rd yr)	Indeepta Rout
50	Puja Anadhana Jini (UG 3rd yr)	Puja Anadhana Jini
51	Pranjana Thakur (PG 1st year)	Pranjana Thakur
52	Shreyashree Samant (PG 1st year)	Shreyashree samant.
53	Aditya Dash (PG 1st year)	Aditya Dash

54	Archita (UG 1 st Year)	Archita Das.
55	Sania (UG 1 st Year)	Sania Maharana
56	Soumya shree Dash (UG 1 st Year)	Soumya shree Dash.
57	Spita Nayak (UG 1 st Year)	Spita Nayak.
58	Supali Pradhan (UG 1 st Year)	Supali Pradhan
59	Krushna priya Singh (UG 1 st Year)	Krushna priya Singh
60	Mamata Soren (UG 1 st Year)	Mamata Soren
61	Kajol Srikant Pradhan (UG 1 st Year)	Kajol Srikant Pradhan
62	Nirriti Malakar (UG 1 st Year)	Nirriti Malakar
63	Prachee Purnamasi (UG 1 st Year)	Prachee Purnamasi
64	Aditi Pandey (UG 1 st Year)	Aditi Pandey
65	Jahnvi Majhi (UG 1 st Year)	Jahnvi Majhi
66	Sania Tudu (UG 1 st Year)	Sania Tudu
67	Bharkati Nayak (PG 1 st Year)	Bharkati Nayak
68	Soumyashree Sahoo (PG 1 st Year)	Soumyashree Sahoo
69	Monalisa Kumbhakar (PG 1 st Year)	Monalisa Kumbhakar
70	Susmita Das (PG 1 st Year)	Susmita Das
71	Ayesha Arjun (PG 1 st Yr.)	Ayesha Arjun
72	Ronali Nayak (PG 1 st Year)	Ronali Nayak
73	Suree Munda (PG 1 st Year)	Suree Munda
74	Pani Badara (PG 1 st Year)	Pani Badara
75	Chhabina Nayak (PG 1 st Year)	Chhabina Nayak
76	Saraswati Munda (PG 1 st Year)	Saraswati Munda
77	Padmini Sahoo (PG 1 st Year)	Padmini Sahoo
78	Kopita Mohapatra (PG 1 st Year)	Kopita Mohapatra
79	Baobly Swayamsidha (PG 1 st Year)	Baobly Swayamsidha
80	Sumita Sahoo (PhD)	Sumita Sahoo
81	Rushda Arif (PhD)	Rushda Arif

82	Shibani Jena (PhD)	Shibani Jena .
83	Alisha Nayak (PhD)	Alisha Nayak
84	Pratyakshini Padhi (PhD)	Pratyakshini Padhi.
85	Sulagna Dash Mohapatra (Ph.D.)	Sulagna Dash Mohapatra
86	Richa Sharma (PhD)	Richa Sharma
87	Jayashree Sahoo	Jayashree
88	Vriti Vabini (Intern)	<u>Vriti</u>
89	Laxmipriya Kala (PG 1st year)	Laxmipriya Kala
90	Prati Dora (PG 1st year)	Prati Dora
91	Pratyutpanu Das (PG 1st year)	Pratyutpanu
92	Chetna Patra (PG 1st year)	Chetna Patra.
93	Balshankhi Ray (PG 1st year)	Balshankhi Ray.
94	Sambodha Patra (PG 1st year)	Sambodha Patra.
95	Jisha Mallick (PhD)	Jisha : 4/7/25
96	Swatee Saberi Upadhyay	Swatee 4/7/25
97	Ashish Kumar Nayak	Ashish 4/7/25
98	Priyanka Bhoj	Priyanka 4/7/25
99	Raj Kumar Joshi	Raj Kumar Joshi 4/7/25
100	Sanjay Kumar Raut	Sanjay Kumar Raut 4/7/25