



DEPARTMENT OF BIOTECHNOLOGY

ରମାଦେବୀ ମହିଳା ବିଶ୍ୱବିଦ୍ୟାଳୟ, ଭୁବନେଶ୍ୱର

Rama Devi Women's University, Vidya Vihar, Bhubaneswar

Odisha-751022, Ph.no-9437684176, E-mail-hod.biotech@rdwu.ac.in; Website- www.rdwu.ac.in

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

1. Event: SEMINAR

2. Title of the Event: 10th Satyanarayan Patnaik Memorial Lecture

3. Date & Duration: 9th October, 2025 (2:30 pm – 5:30 pm)

4. Objective/Motivation of the Event:

With growing global concerns around sustainability, nutrition, and environmental impact, algal biotechnology has emerged as a promising field offering eco-friendly solutions across sectors. Algae are rich in bioactive compounds, proteins, and essential nutrients, making them valuable for applications in food, healthcare, pharmaceuticals, biofuels, and industrial products.

The seminar aims to bring together learned professionals, faculty members, research scholars and students to discuss and understand the scientific and commercial potential of algae-based technologies, highlight recent innovations in algal cultivation, processing, and product development, examine the global trends and industrial applications of algal biotechnology and promote interdisciplinary collaboration for sustainable development.

5. Theme of the Event: Exploring the potential of algal biotechnologies as sustainable solutions for food, health, and industrial applications through innovation and global collaboration.

6. Funding Agency: SN Patnaik Memorial Trust

7. Funds Received (In Rs.): NA

8. Technical Session (Details)

i. No. of Technical sessions conducted: 01

9. Title of the Technical sessions: “Algal Biotechnologies for application: in food, health and industry; Innovations and global scenario.”

10. Chairperson of the technical session: Prof. Chandi Charan Rath, Hon'ble Vice Chancellor, RDWU

11. Resource persons (Details): Prof. Gokare A Ravishankar, Distinguished Scientist, School of Basic and Applied Sciences, Dayananda Sagar University, Bengaluru

12. Participants Details (Indicate Numbers only)

- i. Scientists/Faculty/Members of industry: 58**
- ii. Ph. D. Scholars: 33**
- iii. Students: 348**

13. Outcomes of the Event:

The 10th Prof. Satyanarayan Patnaik Memorial Lecture on “Algal Biotechnologies for Application: In Food, Health, and Industry; Innovations and Global Scenario” provided valuable insights into the growing potential of algae in various sectors. Topics covered included genetic transformations to enhance algal strains for improved productivity and bioactive compound production. Algae’s role in drug development was emphasized, with examples like *Spirulina* and *Chlorella* showing promise as anti-cancer and anti-inflammatory agents. In the food sector, algae like *Dunaliella salina* were highlighted for their potential as protein-rich foods and sustainable sources of omega-3 fatty acids. A key focus was on algae's role in healthcare, specifically in menstrual health. Algae, like *Isochrysis galbana*, are rich in isoflavones—phytoestrogens that mimic oestrogen in the body. These compounds are increasingly studied for their potential to support hormonal balance, alleviate menstrual discomfort, and promote overall reproductive health. The session also explored algae’s application in biofuels and bioplastics, with examples such as algal biodiesel and PHA bioplastics offering eco-friendly alternatives to traditional fuels and plastics. Overall, the lecture showcased how algal biotechnology is revolutionizing industries with sustainable solutions in health, food security, and environmental sustainability.

14. Recommendations (if any):

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

15. Selected Photographs: Enclosed



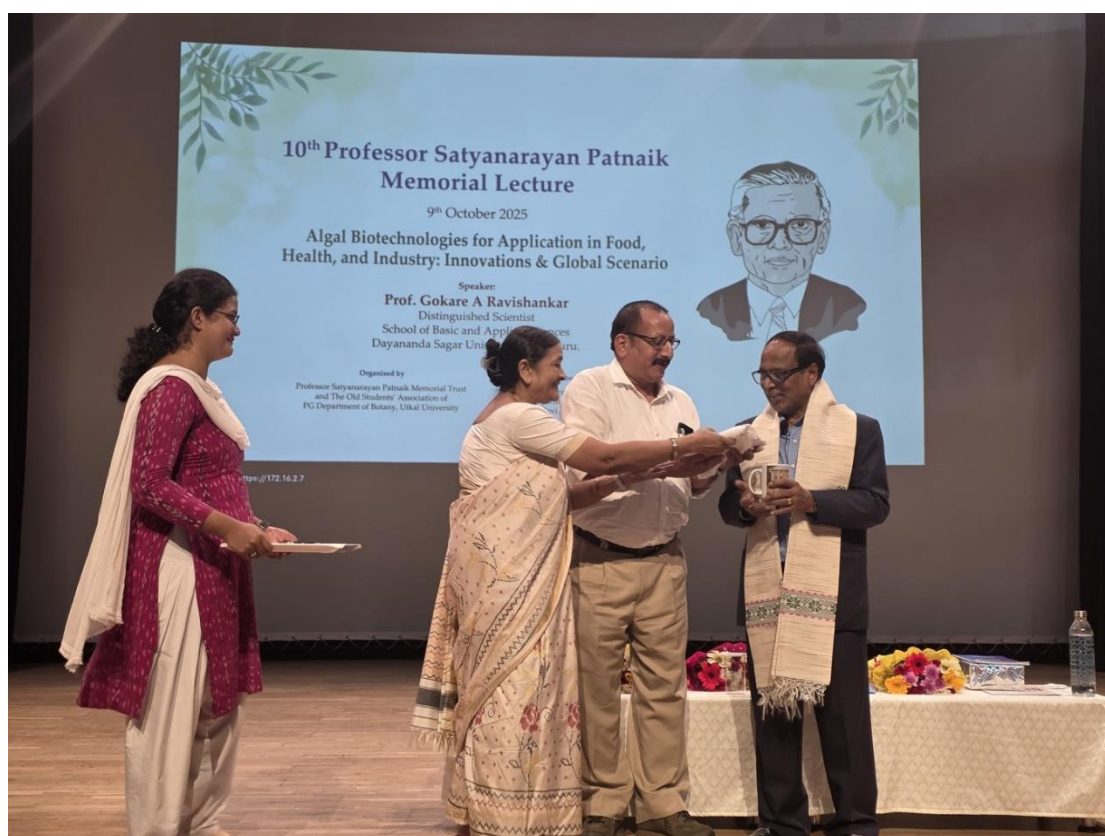
Inaugural session of the 10th SN Patnaik Memorial Lecture



Prof. G. A. Ravishankar delivering the lecture on “Algal Biotechnologies for application: in food, health and industry; Innovations and global scenario.”



Audience during the 10th SN Patnaik Memorial Lecture



Felicitation of esteemed speaker by Hon'ble Vice chancellor, Prof. Chandi Charan Rath during the 10th SN Patnaik Memorial Lecture



Group photo of esteemed speaker, faculty members and scientists attending the 10th SN Patnaik Memorial Lecture

meeting of the general Body. Professor Satya Narayan Pattnaik memorial Trust

	<u>Name</u>	<u>contact</u>	<u>signature</u>
1.	Pradipta Kumar Mahapatra	9437358901	Pradipta
2.	Nihar Ranjan Nayak	8761110800	Nihar Ranjan
3.	Sakti Kanta Patra	9861257624	Sakti Kanta
4.	Biswajit Pattnaik	8895500314	138
5.	Seema Pattnaik	9337400128	Samapattinaik
6.	Suprava Pattnaik	9425600386	Suprava Pattnaik
7.	Bhanoti Behara	9437107960	Bhanoti
8.	Hemanta Kumar Patra	9437141969	Hemanta
9.	Dr. Bannalhar Pradhan	9437384336	Dr. Bannalhar
10.	Kunja Bihari Subpathy	9861126749	Kunja Bihari
11.	Pratap Ch Panda	94398-31495	Pratap Ch Panda
12.	SNagar	9437061976	SNagar
13.	Saurajit Pattnaik	9337050893	Saurajit
14.	Madhusree Pattnaik	9439707005	Madhusree
15.	Soumenendra Kumar Sam	9438081499	Soumenendra
16.	Sujati Mohanty	9238686246	Sujati
17.	Raj Kumar Joshi	9437684178	Raj Kumar
18.	Dharamnidhan Jena	9437672230	Dharamnidhan
19.	Barada Kanta Misra	9777442932	Barada Kanta
20.	Ashraya Kumar Dalai	9437296115	Ashraya
21.	Sukanta Kishore Mohanty	9437490564	Sukanta
22.	Bhaskar Chandra Patra	8249957980	Bhaskar
23.	Padan Kumar Jena	9861094336	Padan
24.	Shikha Singh	7064628308	Shikha
25.	Dr. Sibta R. Mishra	9437310205	Dr. Sibta
26.	Sabir Kher Mahapatra	7327878002	Sabir Kher
27.	Dr. Debaraj Parida	9437035772	Dr. Debaraj
28.	Dr. Shesmita	7809896779	Dr. Shesmita
29.	Dr. Debaraj Mohapatra	8270213676	Dr. Debaraj
30.	Subhasis Sahoo	7381880075	Subhasis
31.	Chinmay Pradhan	9435676755	Chinmay
32.	Dr. Bandana Kulkarni	9937622193	Dr. Bandana
33.	Dr. Sarita Sahoo	8018719698	Dr. Sarita
34.	Dr. Padmaja Patel	7978003973	Dr. Padmaja
35.	Dr. Bhattacharini Panda	8895294729	Dr. Bhattacharini

36	Prakash chandra Pandey	9437363161	<i>Prakash</i>
37	Dr. Mukta Mayee Khushu	7606806204	<i>Mukta</i>
38	Jamuna Tudu	8895208732	<i>Jamuna</i>
39	Dr. S. K. Nayak	9611065490	<i>S.K. Nayak</i>
40	Dr. Arun K. Nayak	1978003911	<i>Arun</i>
41	Dr. Alok Prasad Das	9178581814	<i>Alok</i>
42	Dr. P. K. Samant	9437618449	<i>P.K. Samant</i>
43	S. P. Adhikary	9439431600	<i>S.P. Adhikary</i>
44	PRADEEP KUMAR CHAND	8895300135	<i>Pradeep</i>
45	Saraswati Majhi ^{Asst. Prof. C.B. Women's College}	9439447744	<i>Saraswati</i>
46	Khushi Agarwal ^{Asst. Prof. C.B. Women's College}	8260340776	<i>Khushi</i>
47	Rupanjali Mishra	9438184135	<i>Rupanjali</i>
48	Dr. Manoj Kumar Mohanty	6370667345	<i>Manoj</i>
49	Dr. G. H. Surabhi	8280247199	<i>G.H. Surabhi</i>
50	Dr. Pabali Prasad Mohanty	9437576917	<i>Pabali</i>
51	Dr. Arun K. Sharma	8247090899	<i>Arun</i>
52	Dr. C. Kalidass	7208882102	<i>C. Kalidass</i>
53	Dr. Sangram K. Mohanty	9776312007	<i>Sangram</i>
54	Dr. S. K. Meher	9438041241	<i>S.K. Meher</i>
55	Dr. Prabhakar Kumar Das	9438015928	<i>Prabhakar</i>
56	Kumar Anish	7377590662	<i>Kumar</i>
57	SHREETI PATNAIK	9787116021	<i>Shreeti</i>
58	Swatee Saberi Upadhyay	6370605004	<i>Swatee</i>