

REGISTRATION FEE

Category	Registration fee
Industry /Private Concerns	Rs 2000.00
Faculty members/ scientist/ Life member	Rs 500.00
U.G/P.G. Students/ Research Scholars (M.Phil/ Ph.D.)	Rs 300.00

Contact Details:

Convenor

Prof. Kalyani Pattnaik, Dept. of Botany
Emeritus Prof., U.N. (Auto.) College of Sc. and Tech.

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Mob: 6370509924, 9437628846 (Whatsapp)

Organizing Secretary

Dr. Aparna Das, Dept. of Botany,
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Joint Organising Secretaries

Mrs. Harapriya Sahoo, Dept. of Botany, UNAC
Dr. Rajendra Narayan Dakhinakabat, Dept. of Botany, UNAC
Mr. Bhuban Mohan Padhiari, Dept. of Botany, UNAC

Treasurer

Mr. Swarna Kumar Dash, Dept. of Botany,
U.N. (Auto.) College of Sc. and Tech.

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REGISTRATION FORM

I wish to participate in national seminar on “**Biotechnological approaches for mitigating climate change**” to be held on **10th- 11th December, 2022** at **Department of Botany, U.N. (Auto.) College of Sc. and Tech., Adaspur, Cuttack.**

- Name.....
- Designation.....
- Affiliation.....
- Gender: Male/Female
- Age:.....
- E-mail id:.....
- Tel./mobile:.....
- Title of the paper:.....
- Choice of theme.....
- Mode of presentation: oral/poster
- Accommodation Requirement: Yes/No
- Type of accommodation: college hostel/ guest house/ Hotel
- No. Of accompanying persons.....
- Details of payment of registration fee.....

Signature of the participant

Chief Patron

Sj. Trilochan Kanungo, President, The Governing Body, UNAC

Patron

Prof. Arun Kumar Nayak, Principal, UNAC

Chairman Organizing Committee

Prof. SantiLata Sahoo, Emeritus Professor, Dept. of Botany, UNAC

Organizing Committee

- Prof. Kalyani Pattnaik, Dept. of Botany, UNAC
- Prof. Sanjukta Tripathy, Emeritus Professor, Dept. of Botany, UNAC
- Dr. Aparna Das, Dept. of Botany, UNAC
- Mrs. Harapriya Sahoo, Dept. of Botany, UNAC
- Mrs. Sarita Parida, Dept. of Botany, UNAC
- Mr. Samir Ranjan Swain, Dept. of Botany, UNAC
- Dr. Rajendra Narayan Dakhinakabat, Dept. of Botany, UNAC
- Mrs. Abahani Mohapatra, Dept. of Botany, UNAC
- Mr. Swarna Kumar Dash, Dept. of Botany, UNAC
- Mr. Bhuban Mohan Padhiari, Dept. of Botany, UNAC
- Ms. Sonali Supriya Nayak, Dept. of Botany, UNAC
- Ms. Smaraki Pattnaik, Dept. of Botany, UNAC
- Mr. Arun Kumar Mohanty, Dept. of Botany, UNAC
- Ms. Rashmi Rekha Muduli, Dept. of Botany, UNAC
- Ms. Bhagyajyoti Baral, Dept. of Botany, UNAC

Advisory Committee (OBS)

- Prof. R. C. Mohanty, Former professor, Dept. of Botany, Utkal University
- Prof. H. K. Patra, Former professor, Dept. of Botany, Utkal University
- Prof. B. B. Mishra, President, Odisha Bigyan Academy
- Prof. P. K. Chand, Retired VC, NOU
- Dr. K. B. Satapathy, Emeritus Professor, CUTM
- Prof. U. B. Mohapatra, Vice- Chancellor, Rajendra University
- Dr. Chinmay Pradhan, Head, Dept. of Botany, Utkal University, Secretary Odisha Botanical Society, Odisha, Mob: 9438676755
- Prof. S. N. Patro, President, OES, Bhubaneswar
- Prof. P. K. Mohapatra, Dept. of Botany, Ravenshaw University
- Prof. A. K. Bastia, Retired Professor, Dept. of Botany, NOU
- Prof. H. N. Thatoi, Dept. of Biotechnology, NOU
- Prof. A. K. Biswal, Adjunct Professor, Dept. of Botany, FMU
- Prof. K. C. Mondal, Dept. of Microbiology, Vidyasagar University
- Prof. A. B. Das, Retired Prof. Utkal University, Odisha
- Prof. Jyoti Kumar, Dean of Science, Dept. of Botany, Ranchi University, Ranchi
- Dr. P. C. Panda, Professor, CBT, Siksha ‘O’ Anusandhan University, Odisha.
- Dr. Ashirbad Mohapatra, Head, Dept. of Botany, Sri Jaydev College of Education & Technology, Naharkanta, Odisha
- Dr. Nabin Kumar Dhal, Principal Scientist, IMMT, Odisha
- Dr. D. P. Barik, Head, Dept. of Botany, Ravenshaw University



National seminar

On

Biotechnological approaches for mitigating climate change

and

45th Annual conference of Orissa Botanical Society

(10th- 11th December, 2022)



Organized by

Department of Botany



**U.N. (Auto.) College of Science & Technology,
Adaspur, Cuttack-754011**

Biotechnological approaches for mitigating climate change

We know that plants play a critical role in climate system by pulling CO₂ out of the atmosphere in two ways. Firstly plants carry out photosynthesis, which converts CO₂ into plant biomass that store carbon. Secondly plants increase rates of silicate weathering, the chemical reaction that breaks down rocks and in so doing removes CO₂ from the atmosphere. We knew that the dramatic cooling of the Planet between 300 and 200 million years ago was the result of evolution of large plants with large rooting systems that caused huge changes in both of these processes. In the results we published today we showed that the appearance of the first land plants had an effect much earlier - 100 million years earlier. For us the most important take home is that the invasion of the land by plants – a pivotal time in the history for the Planet – brought about huge climate changes. It should also remind us that the removal of large areas of the world's vegetation which act as carbon stores, will increase atmospheric CO₂ levels and cause dramatic climate change.

About Udayanath (Auto.) College of Science and Technology, Adaspur, Cuttack

Website: <https://uadayanathcollege.ac.in> The U.N (Auto.) College of Science & Technology came into existence on the 3rd day of December, 1986. It was an up-gradation of the erstwhile Prachi Mahavidyalaya established in 1982, one of the oldest college of Odisha, which subsequently became an autonomous college and was accorded the status of AUTONOMY by the UGC and 'B' grade by the NAAC. The College with all its glorious academic achievements and ceaseless scholastic pursuits has already created a distinct niche for itself in Odisha and beyond. The history of this great institution is, in a manner of speaking, the history of modern Odisha. It was the cradle of ideas fostering national unity and nationalism, promoting social mobilization and gearing up the freedom struggle. Albeit, the formal transition from a Prachi Mahavidyalaya to a young autonomous college is complete; but the transformation is yet to take shape.

About Orissa Botanical Society

Orissa Botanical Society (OBS) was founded in the year 1975 and later registered under the Society Registration Act (Registration No. 16671/1506 of 1979-1980) with its head quarter at Dept of Botany, Utkal University. Meanwhile OBS has earned a wealth of 450 life members till date. OBS holds its annual function during which a seminar of national stature is organized under its aegis at different college/universities of the state. The society publishes a peer-review scientific journal namely "Plant Science Research" having online accessibility. It has a NAAS rating of 3.63 since 2016. A website of the journal has been instituted.

Objectives and target participants

The national seminar on "Role of Plant on Climate Change" is an initiative of the Department of Botany, U. N. (Auto.) College of Science & Technology. The seminar being organised under the auspices of the Orissa Botanical Society, Bhubaneswar is aimed at creating an opportunity to bring together students, researchers from universities/colleges, industries, corporate sectors as well as scientists from research findings and ideas about the various aspects of the green technology for environment management. Further, it will encourage collaboration through deliberations on research highlights sharing the common agenda of environment and its conservation and management utilising advanced technologies.

Themes of the Seminar

- Microbes and their role in climate change
- Bioremediation, bio-prospecting and climate change.
- Crop production and sustainability
- Bio-resources for future smokeless fuel
- Ethno-biology
- Bio-pesticides, Bio-fuel and bio-energy.
- Climate change associated with biodiversity.
- Biotechnological application for value added product.

Submission of Abstracts

The abstract should be typed in English using MS Word with one and half spacing (Times New Roman; 12pt) and should not exceed 250 words. The title of the paper, name(s) of author(s) followed by their address and e-mail should be mentioned in the abstract. Presenting author's name should be underlined. The hard and soft copy of the abstract should be sent to Organising secretary, Dr. Aparna Das by Email: obsunac2022@gmail.com, Mob: 9938658037, Treasurer, Mr. Swarna Kumar Dash, Mob: 9937514371 on or before 20/11/2022.

Registration Fee

Participants are requested to register for the seminar on or before 20th November 2022 by paying a registration fee through demand draft/NEFT/ Cheque in favour of Principal, U.N (Auto.) College of Science & Technology, National seminar "Biotechnological approaches for mitigating climate change", payable at Adaspur, A/C No.- 11476283994, IFSC Code- SBIN0013576. Outstation check will not be accepted. However the participants can deposit the registration fee in the SBI, Adaspur branch, A/C No.- 35813902359, IFSC Code- SBIN0013576, under intimation to the Treasurer by submitting the photocopy of the payment slip. They can also register by online using Net Banking (YONO SBI, Phone Pe) towards A/C No.- 35813902359, IFSC Code- SBIN0013576, Mob- 9937514371, Adaspur branch, Banking name- Swarna Kumar Dash or scan the below QR Code for easy online payment. Share screenshot of the transaction with name, designation & address to the treasurer via Email/ Whatsapp.



Accommodation

Accommodation will be provided to registered delegates on first come first serve basis at college hostels, guest houses or in nearby hotels on payment basis with tariff ranging from Rs. 600 to Rs. 1500/- per day.

Important Dates

Abstract submission deadline: 20th November 2022
Early bird registration deadline : 20th November 2022

Publication of the Seminar

A Souvenir will be released in the inaugural meeting of the National Seminar followed by publication of the proceedings. Hence, full length papers of the abstracts are also invited on or before 20th November, 2022 to be published in the proceedings. Papers should be strictly framed as per the format and guidelines of **Plant Science Research**, the journal published by **OBS**.