

Background

Post-Graduate Department of Botany is one of the oldest leading Departments of Utkal University – the mother University of Odisha, which is an “A+” Grade NAAC Accredited University of the State. The Botany Department was established in the year 1969 under able guidance of founder head of the Department Prof. Bidhyadhar Padhi. Two self-Finance programme (i) M. Sc. Applied Microbiology and (ii) M. Sc. Environmental Science were inducted in the Department during the year 2000 besides its interdisciplinary research activities in the frontier areas of Biological Sciences. It is act as Central Secretariat for Orissa Botanical Society since inception.

About the Seminar

Plant biology is a broad and diverse field with potential to preserve future well-being of this planet and its inhabitants. The expanding world population is set to be over 9 billion by 2050 and will require abundant food and resources to survive. What can we do about a growing human population, increasing demand for food and a shrinking supply of resources and perhaps most importantly the threat of climate change? Understanding plant biology and ecology is now more important than ever before if we are to find solutions for these critical 21st century challenges.

The research in plant science is advancing to maximize food production from existing arable land. Plant scientists are exploring options to improve current agronomic practices, soil management and cropping system. Researchers are also finding ways to reduce yield loss due to pests, disease, and weeds by breeding resilient varieties. There are ongoing efforts to increase abiotic stress tolerance, photosynthetic efficiency, and fertilizer efficacy in crops. Biofuel energy produced from biomass rich cellulose crops (Maize, Sugarcane and Agave) is energy-dense and compatible with the current petroleum-based energy setup. To further reduce our global carbon footprint, there is a substantial research interest in the development of microalgae (unicellular aquatic plants) due to their tremendous potential to capture CO₂ emissions and produce biofuels. Plant scientists are coordinating biodiversity conservation to reduce intense agriculture footprint on our landscapes.

Keeping these above facts in view P.G. Department of Botany, Utkal University, Bhubaneswar - 751004, Odisha is organizing a National Seminar on “Recent Advances in Plant Sciences for Sustainable Development”. The aim of the seminar is to provide a platform for intense interaction of the scientific community including teachers, scientists, research scholars, students, technologists and industries from across the country for a fruitful deliberations and discussion to exchange research thoughts for benefit of the scientific community with regard to strategies on Biotechnology and plant tissue culture, Microbes for sustainable development, Environmental biology and sustainability, Stress biology in plants, Biological approaches for conserving biodiversity.

Theme of the Seminar

- **Biotechnology and plant tissue culture**
- **Microbes for sustainable development**
- **Environmental biology and sustainability**
- **Stress physiology in plants**
- **Biological approaches for conserving biodiversity**

Important Dates

Submission of Abstract : 18th March 2024
Receipt of Registration Fees : 23rd March 2024

Registration Fees

Research Scholar / Students	Rs. 300.00
Scientist / Faculty	Rs. 500.00
Industrial delegates	Rs. 1000.00

LINK FOR REGISTRATION

<https://forms.gle/e7RgDNqhZ26AMdrR9>

Payment Details:-

Account Name – NATIONAL SEMINARRAPSD 2024
Account Number – 110171260633
Bank Name – CANARA BANK
IFSC Code- CNRB0018016

Call for Papers/Posters

The scientific programmes will be organized with key note address, plenary lectures, invited talks and posters. Participation is open for anyone involved in Teaching, Research and Consultancy in the respective field. Abstract of ~ 300 words should be in MS Word Times New Roman 12 font, 1.5 pt. space with 2.5 cm margin. Each abstract should have title (font 14 bold), name of the author (font 12 bold), name of the presenting author should be underlined. All abstract must be received within announced deadline to the Organizing Secretary (uubbsr2024@gmail.com) for poster presentation. The poster size should be 1.5 mt. × 1.0 mt. dimensions.

Competitive Session for Awards

Best Poster Presentation Award will be given after due evaluation in specific session of the seminar. Those who wish to participate in competition should submit the abstract before the last date and clearly super scribe that abstract is for competitive session.

Location of the University

The University is located in Bhubaneswar close to NH-5 near Vani Vihar Square. It is 3 kms from Bhubaneswar Railway Station and 7 kms from Biju Patnaik International Airport.

About Bhubaneswar and sightseeing

Bhubaneswar is the capital city of the Indian state Odisha. It is also known as the temple city with more than about 150 ancient temples. The city is envisioned to be the smart city ranking number one in India by 2024. It is the hub of many educational institutes of national importance such as NISER, ILS, IIT, AIIMS, IMMT, IOP, KIIT, RPRC, CIFA, OUAT, SOA etc. It is surrounded by numerous picturesque and world heritage sites such as Chilika, Satapada dolphin Sanctuary, Puri, Konark, Lingaraj Temple, Rajarani Temple, Kedargouri Temple, Dhuli Peace Pagoda, Khandagiri and Udaygiri caves, Nandankan Zoological park and Botanical garden, State museum, Ekambrakanan lake and garden etc. Sightseeing to the above places is available daily except monday by OTDC (www.panthanivas.com).

Weather Condition

Weather of Bhubaneswar is pleasant and night temperature ~33°C during day and 23°C during night.

Contact Person

Organizing Secretary

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Asst. Organizing Secretary

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**NATIONAL SEMINAR ON
Recent Advances in Plant Science for
Sustainable Development**

(23rd March, 2024)

Registration Form

Name (in capital):

Designation: _____

Sex: _____ **Male / Female.**

Institution:

Mailing Address:

Pin

E-mail:

Contact No:

Nationality:

Title of the Abstract

Theme area:

Registration Details:

Date: _____

Place: _____

Signature:

**NATIONAL SEMINAR ON
Recent Advances in Plant Science for
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(23rd March, 2024)

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HOD, Botany

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**NATIONAL SEMINAR ON
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Organized by



**Post Graduate Department of Botany
Utkal University, Vani Vihar
Bhubaneswar 751004, Odisha, India**