



RAMA DEVI WOMEN'S UNIVERSITY

Vidya Vihar, Bhubaneswar-751022

OFFICE OF THE DIRECTOR, IQAC

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

1. Event: Seminar

2. **Title of the Event** :National Seminar on Biotechnological Interventions towards Stress Management (BISM-2019)

3. **Date & Duration**: 12th January 2019, 1 day

4. Objective/Motivation of the Event:

BISM 2019 aimed to congregate research experts and scientific personnel to discuss the recent progresses on systematic analyses of responses to stresses and design future pathways towards improved human health and crop productivity.

5. **Theme of the Event**: Biotechnological Intervention and Stress Management

6. **Funding Agency**: None

i. **Funds Received (In Rs.)**: NIL

7. Technical Session (Details)

i. **No. of Technical sessions conducted**: 02 (Two)

ii. **Title of the Technical sessions**:

Session I: Mechanism of stress perception

Session II: Biotechnological application in stress management

iii. **Chairperson of the technical session**:

Session I Chair: Dr. Mrinal Samanta, Principal Scientist, ICAR-CIFA, Bhubaneswar

Session II Chair: Dr. Bimal Prasanna Mohanty, Principal Scientist, ICAR-CIFRI, Barrackpore

8. Resource persons (Details):

Sl. No.	Name	Designation	Affiliation/Institute	Specialization	Title of the Talk
1	Dr. Himanshu Pathak	Director	ICAR-NRRI, Cuttack	Stress Physiology	Biotechnological interventions towards development of climate resilient crops
2	Dr. Bimal Prasanna Mohanty	Principal Scientist	ICAR-CIFRI, Barrackpore	Fish Biochemistry & Nutrition	High temperature stress: What fish can tell?
3	Dr. Santibhusan Senapati	Scientist D	ILS, Bhubaneswar	Cancer Biology	Preclinical animal models of Cancer
4	Dr. Mrinal Samanta	Principal Scientist	ICAR-CIFA, Bhubaneswar	Fish Biotechnology	TLRs and NLRs : Two Swords Of Biotic And Abiotic Stress Management In Hosts
5	Dr. Arup	Principal	ICAR-NRRI, Cuttack	Plant Protection	Application of PCR in

	Mukherjee	Scientist			genetic diversity to marker assisted breeding: A journey to success
6	Dr. Padmaja Mishra	Assoc. Professor	Saha Institute of Nuclear Physics, Kolkata	Structural Biology	The conformational changes of Holiday Junction under mechanical stress: Looking one DNA at-a-time
7	Dr. Sukanta Sekhar Bhattacharya	Managing Director	Lignin Biosciences Pvt Ltd	Environmental Biotechnology	Xenobiotic stress and human microbiome: perturbation and health implications

9. Participants Details (Indicate Numbers only and attach attendance sheet)

- i. **Scientists/Faculty: 15**
- ii. **Ph. D. Scholar: 11**
- iii. **Students: 157**
 - a. **UG**
 - b. **PG**
 - c. **M. Phil**

10. Outcomes of the Event: Biotechnological advances in the area of physiology, genetics, and molecular biology have greatly improved our understanding of organism’s responses to multitude of stress conditions. BISM2019 acted as a platform to link investigators to these wide variety of resources that are currently available towards stress management in plant, animals and their associated environment.

11. Recommendations (if any): The organizing committee recommended that the contributions by the revered speakers at the seminar along with other related articles may be compiled together to publish a book in the area of Biotechnology and Stress Management.

12. Selected Photographs : Enclosed



Representative Pictures for National Seminar on "Biotechnological interventions in stress management“ (BISM-2019) held on 12th January, 2019.