

## ANNUAL REPORT-2020-21



### **DEPARTMENT OF BOTANY**

ରମାଦେବୀ ମହିଳା ବିଶ୍ୱବିଦ୍ୟାଳୟ, ଭୁବନେଶ୍ୱର  
Rama Devi Women's University, Vidya Vihar,  
Bhubaneswar

1. **Name of the department:** UG department of Botany

2. **Mission and vision:**

**Mission:** 1. Establishment of a tissue culture laboratory. 2. Establishment of a microbiology laboratory. 3. Initiating the training on mushroom cultivation.

**Vision:** 1. Opening of postgraduate course in Botany 2. To be a progressive department that provides a student-centered and professions-oriented education in frontier areas of Botany that bestows an academic environment to demonstrate and promote creative, intellectual inquiry with positive relationships among students, faculty, and staff that enhance the learning experience a fruitful and outstanding one for future application in a dynamic world.

3. **Academic Programmes:** UG Botany

4. **Publications/patents**

#### JOURNAL PAPERS

Sl no.	Paper Title	Author(s)	Name of the Journal; Volume; Page no.	Year of Publication	Link to the article (doi/website)
1.	Survey of edible plants for human consumption in South Odisha, India.	Dr. Sibangini Misra	Journal of Emerging Technologies and Innovative Research 7, pp 277-296	2020	<a href="https://www.researchgate.net/publication/340375308_Study_of_Drug_Release_Kinetics_from_Sustained_Release_Matrix_Tablets_of_Acyclovir_using_Natural_Polymer_Obtained_from_Colocasia_Esculenta">https://www.researchgate.net/publication/340375308_Study_of_Drug_Release_Kinetics_from_Sustained_Release_Matrix_Tablets_of_Acyclovir_using_Natural_Polymer_Obtained_from_Colocasia_Esculenta</a>

#### BOOKS/BOOK CHAPTERS

Sl no.	Book/book chapter Title	Author(s)	ISBN/ISSN number	Year of Publication	Name of the publisher
	Nil	Nil	Nil	Nil	Nil

#### PATENTS

Sl no.	Title of patent	Patent holders	Patent type & Country	Year of Filing	Status (Published/granted)
	Nil	Nil	Nil	Nil	Nil

### 5. Research Projects

S.No	Title of the project	Name of the PI/Co-PI	Funding Agency	Amount mobilized
Nil	Nil	Nil	Nil	Nil

### 6. Teachers' achievement

#### Research guidance

S. No.	Name of the faculty	Numbers guided						
		DLitt	DSc	PhD	MPhil	PG	UG	Total Guided
1	Dr. Sujata Mahapatra						7	7
2	Dr.SibanginiMisra						8	8
3.	Dr.Prajna Paramita Behera						8	8

#### Publications per individual teacher

S. No.	Type of publication	Name of the author/s	Year of publication	Title of paper	Name of journal	Volume and Page numbers	
1	Research Paper	Dharmendra Solanki, Mohit Motiwale, <b>Sujata Mahapatra</b>	2020	Study of Drug release kinetics from sustains release matrix tablets of Acyclovir using natural polymer obtained from <i>Colcasia Esculenta</i>	International Journal of PharmaTech Research	Vol. 13, pp172-179	0 9 7 4 - 4 3 0 4 e

							ISSN : 2455-9563
2	Research Paper	S.C Chabattula, P.K Gupta, S.K Tripathi, R. Gahtori, P. Padhi, <b>S. Mahapatra</b> , B.K Biswal, S.K Singh, K. Dua, J. Ruokolainen, Y.K Mishra, N.K Jha, D.K Bishi, K. K Kesari	2021	Anticancer therapeutic efficacy of biogenic Am-Zno nanoparticles on 2D and 3D tumor models	Materials Today Chemistry	Vol.2(2021)	100618
3	Research Paper	Dr.Sibangini Misra	2020	Survey of edible plants for human consumption in South Odisha, India.	Journal of Emerging Technologies and Innovative Research	7, pp 277-296	ISSN 2349 - 5162

**Seminar/ Symposium etc. attended per individual teacher**

S. No.	Name of the faculty	Name of the Seminar/ Symposium, etc.	Date: From - To	International/ National	Paper presented/ Attended
	Sujata Mahapatra	Microbiology and therapeutics	29.12.20	PG Dept. of Botany Dhenkanal Autonomous college and Microbiologist society of India	Attended

		Gender Sensitisation and National Education Policy, 2020”	3.12.20	IQAC, Khallikote Autonomous College, Berhampur	Attended
		“Frontiers of Biosciences & their Application”	13.11.20	the P. G. Department of Botany & Biotechnology, Khallikote Autonomous College, Berhampur	Attended
		Infrastructure augmentation for teaching ,learning and research	21 <sup>st</sup> -22 <sup>nd</sup> December 2020	Avinashlingam institute for home science and higher education for women ( Under UGC ParamarshScheme)	Attended
		Academic excellence, Unlock your potential	15 <sup>th</sup> -16 <sup>th</sup> December 2020	-Do-	Attended
		<b>**International virtual conference</b> on Vermicomposting and organic farming	29 <sup>th</sup> -30 <sup>th</sup> August 2020	Department of Botany and Zoology, NC College, Jajpur and Dept.of Env.Sc, Tribhuban University, Nepal	Attended

		Loss of biodiversity and solutions	27.07.2020	IP Govt.PG Girls College Haldwani, Nainital, Department of Botany and Zoology	Attended
		BCG, A century old vaccine against Covid-19	29.08.2020	The Biomics	Attended

#### Membership in professional bodies

S. No.	Name of the faculty	Name of the professional body	International/ National	Life member/ Annual/ Sessional member	Tenure: From - To
	Dr. Sujata Mahapatra	Odisha Botanical Society	National	Life Member	
	Dr. Sujata Mahapatra	Odisha Environmental Society	National	Life Member	
	Dr.Prajna Paramita Behera	Indian Science Congress	National	Life Member	
	Dr.Prajna Paramita Behera	Odisha Botanical Society	National	Life Member	

#### Administrative positions

S. No.	Name of the faculty	Administrative position (mention tenure in the cell)			
		Dean/Director	Chairman, BoS/ HoD/Coordinator	Proctor Superintendent of Hostel	Mention others, if any
1.	Dr. (Prof.) Sujata Mohapatra	-	2018-2020	-	-

#### Contribution to university examination

S. No.	Name of the faculty	Contribution to University/College			
		Superintendent/ Assistant Superintendent	Paper setter/ Evaluator	Invigilation/Flying squad member	Mention others, if any
1.	Dr. (Prof.) Sujata Mohapatra	Superintendent 2021	2018-2020	-	-

#### 7. Students' achievement:

### Departmental Student's Seminar

Seminar Presentations - 3rd Yr. 6th Sem.		
Univ. Roll.No.	Name	Project Title
53R0018001	ADITI KAR	EFFECT OF NEEM LEAF EXTRACT AS AN ANTIFUNGAL AGENT
53R0018002	AMRITA	EFFECT OF HAND MADE SANITIZER ON VEGETABLES AND FRUITS
53R0018003	ASTHA	EFFECT OF SALT STRESS ON SEED(MOONG)
53R0018004	JYOTI KUMARI	EFFECT OF SALT STRESS ON MOONG SEED
53R0018005	SONALI	EFFECT OF WATER STRESS ON SEED GERMINATION
53R0018007	MADHU	EFFECTIVENESS OF SANITIZER ON FRUITS AND VEGETABLES
53R0018008	MOUSUMI NAYAK	EFFECT OF WATER STRESS GERMINATION ON STRITICUM AESTIVUM SEEDS
53R0018010	NIHARIKA DALAI	EFFECT OF SALT STRESS ON SEEDLING GROWTH IN MOONG BEENS
53R0018011	PRIYANKA BISOI	EFFECT OF WATER STRESS ON SEED GERMINATION(KIDNEY BEANS)
53R0018012	RASMI PATRO	EFFECT OF WATER STRESS ON SEED GERMINATION
53R0018013	SANDHYARANI BARIK	EFFECT OF WATER STRESS ON SEED GERMINATION OF MACROTYLOMA UNIFLORUM SEED
53R0018014	SADEEPA	WATER STRESS ON SEED(SOYABEAN) GERMINATION
53R0018015	SHEETAL ROUT	EFFECT OF SALT STRESS ON SEEDLING GROWTH
53R0018016	SIKTA SUBUDHI	EFFECT OF NEEM LEAF EXTRACT AS ON FUNGAL GROWTH
53R0018017	SMRUTI	EFFECTIVENESS OF SALT AND VINEGAR ON THE INHIBITION OF FUNGAL GROWTH
53R0018018	SUBHAJYOTI PRADHAN	EFFECTIVENESS OF SANITIZER ON FRUITS AND VEGETABLES
53R0018019	SUMAN PRABHA BEHERA	EFFECT OF SALT STRESS ON SEED GERMINATION
53R0018020	SUSHREE	SHELF LIFE OF GREEN LEAFY VEGETABLES
53R0018021	SUVANGI	EFFECT OF NEEM LEAF EXTRACT AS ON FUNGAL GROWTH
53R0018022	SWARNABHA	EFFECT OF SALT STRESS ON SEED GERMINATION
53R0018023	SWATISHREE	ETHICAL ISSUES IN PLANT BIOTECHNOLOGY
53R0018024	SWAYAM SRADHA	EFFECT OF WATER STRESS ON SEED(MOONG BEANS) GERMINATION
53R0018025	VANDHAN DEV	EFFECT OF WATER STRESS GERMINATION ON

### Student Achievements

Year	UG 1 <sup>st</sup> Yr.	UG 2 <sup>nd</sup> Yr.	UG 3 <sup>rd</sup> Yr.
2020 - 2021	1.P. N. Priyanka – 3 <sup>rd</sup> in Debate (World Science Day)	1. Sarita Behera – 2 <sup>nd</sup> in English Essay Debate (National Science Society – 2022), 2 <sup>nd</sup> in English Odia Debate (National Science Society – 2022)	

### Achievements (Awards/Prizes received by students)

S. No.	Activity	First prize	Second prize	Third prize	Participation
1.	Rangoli			1	
2.	Painting		1		
3.	Odia debate		1		
4.	English Essay		1		
5.	Quiz			1	

#### UG 1<sup>st</sup> Year: -

Sl.no	Student Name	Category	Position
1	P.N Priyanka Swain	Debate (World Science Day)	Third

#### UG 2<sup>nd</sup> Year: -

Sl.no	Student Name	Category	Position
1	Sarita Behera	English Essay (National Science Society)	Second
2	Sarita Behera	Odia Debate (National Science Society)	Second

8. Seminars/FDPs/Workshops organized

9. Social outreach programmes conducted

10. Any other