

ANNUAL REPORT-2019-2020



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.

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. | Study of Drug release kinetics from sustains release matrix tablets of Acyclovir using natural polymer obtained from <i>Colcasia Esculenta</i> | Dharmendra Solanki, Mohit Motiwale, Sujata Mahapatra | International Journal of PharmaTech Research Vol. 13, pp172-179 | 2020 | |

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 | Nil |
|-----|-----|-----|-----|-----|-----|

5. Research Projects

| S.No | Title of the project | Name of the PI/Co-PI | Funding Agency | Amount mobilized |
|------|----------------------|----------------------|----------------|------------------|
| | 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 | | | | | | 7 | 7 |
| 3 | Dr.Prajna Paramita Behera | | | | | | 7 | 7 |
| 4 | Dr. Manisha Das | | | | | | 7 | 7 |

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 | ISSN/e-ISSN, if any |
|--------|---------------------|---|---------------------|--|--|---|--------------------------------|
| 1 | Research Paper | Dharmendra Solanki, Mohit Motiwale, Sujata Mahapatra | 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 | 0974-4304 e-ISSN: 2455-9563 |
| 2 | 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 , p p 2 7 7 - 2 9 6 | 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 |
|--------|----------------------|--|---------------------|-------------------------|---------------------------|
| 1 | Dr. Sujata Mahapatra | Harnessing Science and Technology for a better future | 23-24 November 2019 | National | Paper |
| 2 | Dr. Sujata Mahapatra | National Seminar on Advances and Challenges in Biological science | 12-13 February 2020 | National | Poster |
| 3 | Dr. Sujata Mahapatra | National Conference on Recent Advances in Plant Sciences, Biotechnology and Bioinformatics | 17-18 February 2020 | National | Lecture |
| 4 | Dr. Sujata Mahapatra | National Conference on advances in Life Sciences and Biotechnology | 27-28 February 2020 | National | Attended |
| 5 | Dr. Sujata Mahapatra | National Conference on Emerging Trends in Plant Science Research. | 01-03 March 2020 | National | Oral Presenter |

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) |
|--------|---------------------|--|
|--------|---------------------|--|

| Sl.No. | Name of Expert | Topic of Seminar | Date |
|--------|------------------------------|------------------|------------|
| 1. | Prof. Jaya Krushna Panigrahi | | 12-03-2020 |
| 2. | Dr. S. N. Patro | | 21-04-2023 |

| | | 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 | | Paper setter | Invigilation | |

7.Students' achievement:

Departmental Student's Seminar

| Univ. Roll.No. | Name | Project Title |
|----------------|-----------------------------------|--|
| 53R0017001 | AKSHATA MOHAPATRA | SYNSEEDS |
| 53R0017002 | ANANYA ANINDITA | PHARMACEUTICAL BIOTECHNOLOGY |
| 53R0017003 | BAISAKHI MALLICK | CARDIAC GLYCOSIDE |
| 53R0017004 | IPSITA JENA | PROTOPLAST ISOLATION |
| 53R0017005 | IPSITA PRIYADARSHINI | ADAPTATION ANDV RESPONSE OF PLANTS TOWARDS WATER STRESS |
| 53R0017006 | JAMINI RANI NAYAK | CONCEPTS OF APOMIXIS IN PLANTS |
| 53R0017007 | KALPANA SUBHADARSHINI | SOIL CONSERVATION |
| 53R0017008 | LAXMIPRIYA BEHERA | FOOD MICROBIOLOGY |
| 53R0017009 | LOPAMUDRA SWAIN | C4 PLANTS AND THEIR IMPORTANCE |
| 53R0017010 | MATTIPALLAI SAI GAYATRI | GENE THERAPY |
| 53R0017011 | MONAGNEE PRIYADARSHINI NATH | MICROBE IN BIOTECHNOLOGY |

| | | |
|------------|----------------------|---|
| 53R0017012 | MONALISHA DAS | CONSERVATION OF BIODIVERSITY |
| 53R0017013 | NILIMA KUMARI NAYAK | SIGNAL TRANSDUCTION IN PLANTS |
| 53R0017014 | PRANODINI GIRI | MICROPROPAGATION IN PLANTS |
| 53R0017015 | REENA RANI BARDA | ASEPTIC PLANT TISSUE CULTURE |
| 53R0017016 | RUCHIKA MISHRA | ROLE IN BIOTECHNOLOGY IN AGRICULTURE |
| 53R0017017 | SAMBEDIKA JENA | BIO REMEDIATION |
| 53R0017019 | SANMANITA MOHAPATRA | SOMATIC HYBRIDISATION |
| 53R0017020 | S K SHILPA SUMAN | CARBON CYCLING |
| 53R0017021 | SNIGDHA MOHANTY | CLONING VECTOR |
| 53R0017022 | SONALI HANSDAH | MOLECULAR SCISSORS |
| 53R0017023 | SUBHALAXMI NAIK | AGROBACTERIUM PATHOLOGY PTI BASED VECTOR |
| 53R0017024 | SUBHASMITA PARIDA | SOIL CONSERVATION |
| 53R0017025 | SUCHISMITA SETHI | PHOTOSYNTHETIC PIGMENT AND THEIR ROLES |
| 53R0017026 | SULAGNA | GOLDEN RICE |
| 53R0017027 | SWEETY SOREN | GERMPLASM CONSERVATION |
| 53R0017028 | SWETASMITA NAIK | SYMBIOTIC NITROGEN FIXTION IN NIF GENE |
| 53R0017029 | UPALY SUSHREE SURAVI | GENE TRANSFER TECHNIQUES BY PHYSICAL AND CHEMICAL METHODS |

Student Achievements

UG 1st Year: -

| Sl.no | Student Name | Category | Position |
|--------------|---------------------|-------------------------|-----------------|
| 1 | Debasri Limai | Painting (Basant Utsav) | Second |

8.Seminars/FDPs/Workshops organized:

| Name of the Speaker | Date |
|------------------------------|-------------|
| Prof. Jaya Krushna Panigrahi | 12-03-2020 |
| Dr. S. N. Patro | 13-03-2020 |

Results (Average percentage of all programs)

| Program name | Data type | >75% | ≤75%-60% | <60%-45% | <45%-≥Pass % | Total |
|---------------------|------------------|----------------|-----------------|--------------------|------------------------|--------------|
| | | UG | No. 28 | 10 | 16 | |

| | | | | | | |
|---------|-----|-------|-------|------|--|-------|
| | % | 35.71 | 57.14 | 7.14 | | 99.99 |
| PG | No. | | | | | |
| | % | | | | | |
| Average | % | 35.71 | 57.14 | 7.14 | | 99.99 |

Project work/Field study/Internship completed

| S. No. | Name of the program | Project work, etc. assigned | Project work, etc. completed [%] |
|--------|---------------------|--|----------------------------------|
| 1 | UG | Final year students (28) were assigned project work as part of their curriculum. Study trip to Konark, Ramachandi forest area | 28 Completed |
| 2 | PG | NIL | NIL |

9. Social outreach programmes conducted

10. Any other