

Achievement/ recognition during the academic session 2016-17

1. Extramural Presentations:

- a. Dr. Purusottam Agrawal, Sanjivani Hospital, Sambalpur delivered a presentation on the topic 'Treatment of infertility through in vitro fertilization techniques and advantages' on date 3rd March 2017.
- b. Dr. Jitendriya Panigrahi, Asst. Professor in Biotechnology from Sri A.N. Patel Post Graduate Institute of Sciences & Research, Anand, Gujarat delivered a lecture on 'Development of Micropropagation techniques of some medicinal plants and its secondary metabolite analysis via HPTLC' on date 27th Nov. 2017.
- c. Dr. Sushil Kumar Sahu, Post Doctoral Research Fellow, John Hopkins University, USA, presented a guest lecture on 'Discovery of Anti-HIV therapeutic Targets in The Uracil Base Excision Repair Pathway' on 5th Dec 2017.
- d. Dr. Jayachandran, Product Manager, LABINDIA Pvt. Ltd., demonstrated the evolutionary instrument 'Denovix Microvolume Spectrometer' on 18th Jan 2018.

2. Recognition won by Faculty members of the department

Prof. Pradeep K. Naik, has been felicitated by Guru Jambhwar University, for his valuable contribution in **the field of cancer drug development**.

3. Research and projects:

- a. Presently, there are **3 (Three) ongoing projects** in the department.
 - i. Identification and Characterization of secondary metabolites from strains of Actinomycetes sp. isolated from Hirakud Dyke soil and a Gene mining study for the putative genes. Sanctioned amount Rs. 7.1 Lakhs, DST (Odisha), March 2014 to March 2017, PI, **Dr. Smaranika Pattnaik**.
 - ii. Preclinical Efficacy Evaluation of Extremely Promising Novel Noscapinoid: A Tubulin-Binding Agent in the Management of Breast Cancer. Sanctioned amount Rs. 8.96 Lakhs, DST (Odisha), September 2017 to August 2020, PI, **Dr. Pradeep Kumar Naik**.
 - iii. Development of synthetic derivatives of natural compound, Noscapine as tubulin binding chemotherapeutic agent and evaluation of its synergistic effect with Taxotere for management of human breast cancer. Sanctioned amount Rs. 94 Lakhs, DBT, January 2018 to December 2021, PI, **Dr. Pradeep Kumar Naik**.
- b. **Dr. S. Pattnaik**, has authored a **Text Book of Diagnostic Bacterial Genomics**, published by Himalaya Publishing House (HPH), Mumbai.
- c. A total of **24 international and 04 national journal articles with average impact factor 1.47** have been published by the faculty members of the department.
- d. A total of **05 (five) Research Scholars** have been **registered for Ph.D.** in the Department and **04 (four) Research Scholars** have been **awarded with Ph. D. Degree**.
- e. All other faculty members of the Department have attended different National/ International Conferences/Seminars/Workshops/ Orientation programmes organized by UGC/ different Institutes of India.

4. MoUs signed: the Department has signed 02 MoUs as follows.

- i. The Science foundation for Tribal & Rural Resource Development (SFTRRD) Bhubaneswar for collaborative research on “Product Development from Plant Sources for Therapeutic Application” (2nd June 2017 to 2nd June 2022)
- ii. Centre for Management of Coastal Ecosystem, ICZMP, State Pollution Control Board, Odisha (CMCE, ICZMP, SPCB, Odisha) (9th March 2018 to 9th March 2023).

**Head
BT & BI**