

Smt. Johnnita Tirkey

Designation: Assistant Professor

Email Id: *Johnnita.tirkey@gmail.com*

Qualification: MSc. MPhil in Botany



5. Area of interest: Cell and Molecular Biology, Microbiology and Biotechnology

6. Area of research: Biotechnology

7. Teaching Area

- UG – Plant Diversity, Cell and molecular biology, Biotechniques, Cytogenetics, Biotechnology
- PG – Plant Diversity, Molecular biology,

8. Total No. of Teaching Experience (Yrs):

- UG: 15 yrs
- PG:1 yr

9 . Publication Profile

a) Research Articles Published / Books Chapters Published:

- J. Tirkey and S. P. Adhikary, "Cyanobacteria in the biological soil crusts of India", *Current Science*, 89(3), 515-521, 2005
- J. Tirkey and S. P. Adhikary, Blue-green algae in biological soil crusts of different regions of India, *Feddes Reportion*, 117,3-4, 2006
- J. Tirkey and S. P. Adhikary, "Cyanobacteria in the soil crusts and their UV-sunscreen Pigments", In. *Frontiers in Plant Sciences* Eds. K.G. Mukherji, KV.B.R Tilak, S.M. Reddy, L.V. Gangwane, P. Prakash, LK. Kunware LK International Pvt. Ltd., New Delhi, India, 769-780, 2005
- J Tirkey and S. P. Adhikary, Cyanobacteria in the soil crusts and their significance, In. *Glimpses of Cyanobacteria* Ed. Mukesh Kumar and Ranjan Kumar Gupta, 1-25,2006.

b) Paper presented in Conferences/Seminars

1. Presented a paper at the 44th Annual Conference of the Association of Microbiologists of India (AMI) held at the University of Agricultural Science, Dharwad, from 12th-14th, November 2003(oral presentation)
2. Participated and presented oral presentation in the “National Symposium on Microbiological Biotechnology” from 11th-13th March 2004 at the National Facility for Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli, Tamil Nadu.
3. National Conference on Biotechnological Interventions for Environmental Stress Management in Plants and Microbes” & 42nd Annual Conference of Orissa Botanical Society (20th to 21st Jan 2018. P.G. Department of Botany, Utkal University, Vani Vihar.
4. International Conference on “2017 Next Gen Genomics Biology, Bioinformatics and Technologies (NGBT) Conference (2nd to 4th Oct. 2017, Bhubaneswar, Odisha. (Host-Sci-Genome Research Foundation, India)
5. National Seminar on “Green Technology for environment Management” & 44th Annual conference of Orissa Botanical Society, (22nd to 23rd Jan. 2020) Department of Botany North Orissa University, Baripada, Odisha. (Presented Poster)
6. National seminar on National Seminar on Biotechnological Approaches for Mitigation Climate Change Dt. 10th -11th Dec. 2022 by Utkal University
7. International Conference on Bioresources of our Environment: Utilization and conservation -ICBEUC – 2022, Dt 28th-30th March 2022 Organized by Dept of Botany and Zoology, School of Applied Science, Centurian University of Technology & Management
8. International Conference on Recent Advances in Biological Sciences - 2022(RABS - 2022) Dt 23rd - 24th Dec 2022 by Vikram Deb Autonomous College, Jeypore, Koraput
9. International Conference on Spiritualism, Yoga, Herbal Renaissance and Environmental Conscious in the World SYHRECW 2023, Dt 14th-15 Mar 2023 by Kamla Group Of College, Dholpur (RAJ)

c) Orientation/Refresher Course/ FDP/FIP/Short-term course Attended:

1. Pre-PhD coursework at P.G. Department of Botany, Utkal University, Bhubaneswar.2016 (6 months)
2. Orientation course in “The Nation, Identity and Culture”- UGC Human Resource Development Centre, Utkal University, Vanivihar from 01st -28th February 2018 (21 days)
3. Refresher course in Botany organized by UGC- HRDC Sabitribai Phule University, Pune. Maharashtra. (24.11.2021 – 07.12.2021)
4. Refresher course on Botany dt. 18th - 4th March 2023, by Ramanujan College, University of Delhi
5. Online One-week Faculty Development Programme on “Research Method and Research Design” from 14 - 20 August, 2023 Ministry of Education, Pandit Madan Mohan Malviya National Mission On Teachers and Teaching.
6. Online One-week Faculty Development Programme on “E-Content Development” from 21 – 27 August 2023 by Ministry of Education, Pandit Madan Mohan Malviya National Mission On Teachers and Teaching.

d) Training /Workshop attended:

1. Training course on "Blue-green algae and *Azolla* Biofertilizer for Rice" held at National Center for Conservation and Utilization of Blue-green algae, IARI, New Delhi from September 17th -23rd, 2003 under NATP programmed of Team of Excellence HRD in Biofertilizer. (07 days)
2. National /seminar cum Workshop on “ Freshwater algae and their utilization”(18th to 19th March 2007 PG Department of Biotechnology, Utkal University, Vani Vihar. (02 days)
3. UGC sponsored skill-based workshop on “Current advances in Microscope to Molecules (17th to 18th Nov. 2015) PG Department of Botany, Utkal University, Vani Vihar. (02 days)
4. Training program on” Gender Issues and Law for Woman” - 4th -5th Feb 2016. Organized by Gopabandhu Academy of Administration, Bhubaneswar. Sponsored by Govt. Of Odisha. W& CD Department, Bhubaneswar.
5. Workshop on RT-PCR 2023, Dt 16th Feb 2023 organized by MITS School of Biotechnology, Bhubaneswar
6. International Workshop on Intellectual Property Rights(IPRS) Awareness & Implementation -IWIPRAI- 2023, Dt 24 June 2023, Organized by Kamla Group Of College, Dholpur (RAJ)
7. International Workshop on Research & Research Methodology -IWRRM- 2023, Dt 25 June 2023, Organized by Kamla Group Of College, Dholpur (RAJ)

e) Association with Professional Bodies

Life member – Orissa Botanical Society (from 2018)
