

PERSONAL DETAILS

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| Name | Dr. SUBHASHREE PRIYADARSINI |
| Designation | HOD and Assistant professor of Life science |
| Address | P.G. Department of Life Sciences, S.K.C.G. (Auto) college, Paralakhemundi, Gajapati, Odisha |
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AWARDS AND DISTINCTIONS

GATE (Life science)

EDUCATIONAL QUALIFICATIONS

| DEGREE | INSTITUTION/UNIVERSITY | YEAR |
|-------------------------------|--|-------------|
| Ph.D. in Life science | National institute of technology Rourkela | 2020 |
| M.Sc. in Life science | National institute of technology Rourkela | 2015 |
| B.Sc. in Biotechnology | College of Basic Science, OUAT, Bhubaneswar | 2013 |
| 12th | BJB,junior College, Bhubaneswar | 2009 |

CAREER PROFILE

1. **Assistant Professor of Life Sciences, PG Department of Life Sciences, S.K.C.G (Autonomous) College, Paralakhemundi, Odisha (27/02/23 - till today.)**
2. **Postdoctoral fellow (PDF) at National Institute of Science Education and Research (NISER) Bhubaneswar (August 2022-Nov 2022)**
3. **Guest faculty in Dept. of Biotechnology, UTKAL UNIVERSITY, BBSR, ORISSA. (March 2022-July 2022)**
4. **Guest faculty in Dept. of Botany and Biotechnology, RAVENSHAW UNIVERSITY, CUTTACK, ORISSA. (Jan 2021-Dec 2021)**

AREAS OF INTEREST / SPECIALIZATION

1. **Developmental genetics**
2. **Drosophila neuroscience**
3. **Molecular biology**
4. **Morphological and physiological aspects of fruit fly**

PUBLICATION PROFILE

CHAPTERS (AUTHORED/EDITED)

1. Satpathy A., Ranjan R., **Priyadarsini S.**, Gupta S., Mathur P., Mishra M. (2019) Diagnostic Imaging Techniques in Oral Diseases. In: Shukla A. (eds) Medical Imaging Methods. Springer, Singapore
2. **Priyadarsini, S.**, et al. (2020). Application of Nanoparticles in Dentistry: Current Trends. Nanoparticles in Medicine, Springer: 55-98.
3. **Priyadarsini S**, Sumit Mukherjee and Monalisa Mishra (2020) Methodology to detect the abnormality of Drosophila gut by various staining techniques. Fundamental approached to screen abnormalities in flie. Springer protocols. USA. pp 51-64
4. **Priyadarsini S**, Sumit Mukherjee, Monalisa Mishra (2020) Formulation of Drosophila food for various feeding studies. Fundamental approached to screen abnormalities in flie. Springer protocols., USA pp 1-13
5. Satpathy, A., Panda, P., Nanda, R., **Priyadarsini, S.**, & Mishra, M. (2023). Nanoparticles in oral health care: clinical insights and future perspectives. In Applications of Multifunctional Nanomaterials (pp. 411-436). Elsevier.

RESEARCH PAPERS PUBLISHED IN REFEREED/PEER-REVIEWED JOURNALS

1. **Priyadarsini, S.**, M. Sahoo, S. Sahu, R. Jayabalan and M. Mishra (2019). "An infection of *Enterobacter ludwigii* affects development and causes age-dependent neurodegeneration in *Drosophila melanogaster*." *Invertebrate Neuroscience* 19(4): 13.
2. **Priyadarsini, S.**, et al. (2019). " Oral administration of graphene oxide nano-sheets induces oxidative stress, genotoxicity, and behavioral teratogenicity in *Drosophila melanogaster*." *Environmental Science and Pollution Research: Volume 26, Issue 19, pp 19560–19574.*
3. **Priyadarsini, S.**, S. Mukherjee, S. Samikshya, A. Bhanja, S. Paikara, N. Nayak and M. Mishra (2020). "Dietary infection of *Enterobacter ludwigii* causes fat accumulation and resulted in the diabetes-like condition in *Drosophila melanogaster*." *Microbial Pathogenesis: volume 149, pp 104276*
4. **Priyadarsini, S.**, Mukherjee, S., & Mishra, M. (2017). Nanoparticles used in dentistry; a review. *Journal of Oral Biology and Craniofacial Research*. Highly cited article for 2018 and 2019
5. **Priyadarsini, S.**, et al. (2018). "Graphene and graphene oxide as nanomaterials for medicine and biology application." *Journal of Nanostructure in Chemistry: 1-15.*
6. Konar, M., N. Nayak, **S. Priyadarsini**, M. Mishra and H. Sahoo (2019). "Antimicrobial activity of nanoparticle-based dental fillers on novel chromogenic bacteria *Enterobacter ludwigii*." *Materials Research Express* 6(8): 085407.
7. Sabat, D., **Priyadarsini, S.**, & Mishra, M. (2016). Understanding the Structural and Developmental Aspect of Simple Eye of *Drosophila*: The Ocelli. *J Cell Signal*, 1(109), 2

SYMPOSIUM/WORKSHOP/CONFERENCE/SEMINAR ORGANIZATION/ PRESENTATIONS

1. Mishra M., **Priyadarsini S.**, 2017. Effects of Dental Bacterial Strain *Enterobacter Ludwigii* on *Drosophila*: A Model Organism to Study Host-Microbes Interaction. Indian Science Congress Association (**ISCA-2015**), Organised by KIIT University, Bhubaneswar, Odisha, 751024, December 9-11th, 2015
2. **SNCI-ACNN** (Advances in Computational Neurochemistry and Neurobiology) 2015 29th Annual meeting, The Department of Biomedical Engineering and Computer Centre, North-Eastern Hill University, Shillong, MEGHALAYA, December 16th to 21st, 2015
3. Investigating the expressional diversity of germline-specific RBPs in various malignancies. 2nd International Conference on Frontiers in Biological Sciences (**InCoFIBS-2015**), NIT Rourkela, Jan 22-24, 2015.

OTHER ACTIVITIES

Singing.

Subhashree Priyadarsini

(DR. SUBHASHREE PRIYADARSINI)