

PERSONAL DETAILS		
Name	Miss Kananbala Patra	
Designation	Assistant Professor in Zoology (OES-I)	
Address	Department of Zoology SKCG (Auto.) College Paralakhemundi, Gajapati, Odisha	
Phone No/Mob. No.	9692747492	
Email	kananpatra462@gmail.com	
AWARDS AND DISTINCTIONS		
<ul style="list-style-type: none"> • Recipient of PG merit scholarship for university rank holders by UGC for the session 2015-2017. • Qualified GATE 2017 and GATE 2018 Life Sciences. • Qualified Joint CSIR-UGC-NET 2017 Life Sciences with AIR 75. 		
EDUCATIONAL QUALIFICATIONS		
DEGREE	INSTITUTION/UNIVERSITY	YEAR
M.Phil. (Zoology)	Utkal University	2018
M.Sc. (Zoology)	Utkal University	2017
B.Sc. (Zoology)	Utkal University	2015
CAREER PROFILE		
<ul style="list-style-type: none"> • Senior Research Fellow at ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar on NASF funded project under Dr HIRAK KUMAR BARMAN on miRNA-based stress related ammonia toxicity in catfish, <i>Clarias magur</i> from (17-Dec-2018 to 30.01.2021). • Senior Research Fellow (SRF) in a DBT funded Project entitled “Exosome encapsulated protein hydrogels targeting osteoclast activity in osteoporosis” at Institute of Life Sciences, Nalco Square, Bhubaneswar since (01-Feb-2021 to 31-Jan-2024) • Assistant Professor of Zoology, Department of Zoology, SKCG (Auto.) College, Paralakhemundi, Gajapati, Odisha. (07-Feb-2024 to) 		
AREAS OF INTEREST / SPECIALIZATION		
<ul style="list-style-type: none"> • Developmental Biology and Immunology • Molecular Biology • Protein Based Scaffolds and Hydrogels • Cell Culture and Animal Models • Genetic Engineering • Drug Delivery System through Nano carriers 		
ASSOCIATION WITH PROFESSIONAL BODIES/COMMITTEES		
<ul style="list-style-type: none"> • NA 		
PUBLICATION PROFILE		
BOOKS/MONOGRAPHS		
<ul style="list-style-type: none"> • NA 		
CHAPTERS (AUTHORED/EDITED)		
<ul style="list-style-type: none"> • NA 		
RESEARCH PAPERS PUBLISHED IN REFEREED/PEER REVIEWED JOURNALS		
<ol style="list-style-type: none"> 1. Das, P.K., Panda, G., Patra, K., Jena, N., & Dash, M. (2022). The role of polyplexes in developing a green sustainable approach in agriculture. RSC advances, 12(53), 34463-34481. 2. Patra, K., Rajaswini, R., Murmu, B., Rasal, K. D., Sahoo, L., Saha, A., Koner, D. and Barman, H. K. (2022). Identifying miRNAs in the modulation of gene regulation associated with ammonia toxicity in catfish, <i>Clarias magur</i> (Linnaeus, 1758). Molecular Biology Reports, 49(7), 6249-6259. 3. Barman HK, Mohapatra SD, Chakrapani V, Mondal S, Murmu B, Soren MM, Patra K, and Swain RK (2021) Genomic organization and hypoxia inducible factor responsive regulation of teleost hsp90β gene during hypoxia stress. Molecular Biology Reports. Sep;48(9): 6491-6501. 4. Patra K, Puspamitra S, Das A, Mallik BK, Mohanty PK (2019) Serum biochemical profiling in different varieties of Japanese quail, <i>Coturnix coturnix japonica</i> (Temminck and Schlegel, 1849). Comparative Clinical Pathology. 28, pp 1599-1607. 		

EDITING EXPERIENCE

- NA

SYMPOSIUM/WORKSHOP/CONFERENCE/SEMINAR ORGANIZATION/ PRESENTATIONS

1. Presented talk as chief speaker on **Awareness Modules on Sickle Cell Day: Hope through progress** at Department of Zoology, SKCG (Auto) College, Paralakhemundi, Gajapati on **19th June 2024** as a part of Sickle Cell Anaemia Elimination Awareness Drive from 19th June to 03rd July, 2024.
2. Poster presentation on **“Tissue engineered polymer hydrogels towards osteoporosis management”** as a part of 24th Scientific Advisory Committee Meeting (SAC) at Institute of Life Sciences, Bhubaneswar from **12.07.2023-13.07.2023**.
3. Participated in Regional Young Investigators’ Meeting (RYIM) and crafting your career workshop (CYC) from **04.12.2023-06.12.2023** at DBT-Institute of Life Sciences, Bhubaneswar in association with IndiaBioscience.
4. Oral presentation at International Conference on Biomaterials, Regenerative Medicine and Devices (BIORemedi2022), **IIT Guwahati** from **14th -18th December 2022** on “Identifying the most potent bisphosphonate towards reducing osteoclastic activity in osteoporosis through ex-vivo models.
5. Attended Complex Fluids Symposium (CompFlu2022) organised by Department of Chemical Engineering and Indian Society of Rheology at **IIT Kharagpur** from **19th -21st December 2022**.
6. Presented poster on “Identifying the most potent bisphosphonate towards reducing osteoclastic activity in osteoporosis” at “Symposium on Insights into key trends in Biomaterials Research” organised by DBT-ILS, Bhubaneswar from **22nd -23rd July 2022**.
7. Presented poster at **3rd International Symposium on Genomics in Aquaculture (ISGA-III)** on the topic **“Identification of regulatory role of microRNAs during ammonia toxicity in freshwater catfish *Clarias batrachus* (Linnaeus, 1758)”** organised by ICAR-CIFA in association with Association of Aquaculture from **21st-23rd January 2020**.
8. Poster presentation in **National Seminar on “Climate Change and Future of Animals”** on the topic **“Deciphering the effect of Bisphenol A as a potent endocrine disrupter”** Organised by Pranath Autonomous College, Khordha from **22nd - 23rd December 2018**.
9. Participated in the **104th Indian Science Congress held at S.V. University, Tirupati** from **3rd - 7th January 2017**.
10. Attended national Conference on “Conservation of Eastern Ghats” organized by Utkal University and Greens Alliance for Conservation of Eastern Ghats (GrACE).
11. Attended symposium on “Cell Biology” hosted by PG department of Zoology, Utkal University, Bhubaneswar.
12. Participated in “Wildlife Photography Workshop” held on the occasion of wildlife week-2016 organized by Regional Museum of Natural History (RMNH), Bhubaneswar.
13. Attended skill-based workshop on “Applied Zoology” held in the PG department of Zoology on **18th -19th November 2015**.
14. Attended skill-based workshop on “Science paper writing and editing” held in the PG department of Zoology on **17th -18th March 2017**.

ORIENTATION/REFRESHER/FDP/TRAINING COURSES

NA

RESEARCH PROJECT

NA

OTHER ACTIVITIES

Kananbala Patra

(KANANBALA PATRA)