

Staff Details

Title	DR.	First Name	SHUCHISMITA	Last Name	BEHERA	Photograph
Designation	Assistant Professor					
Department	Zoology					
Phone Number (Office)	9861578456					
Email	shuchi.mama@gmail.com shuchi.rmrc@gmail.com					
Educational Qualifications						
Subject	Institution		Year	Details		
Ph.D.	Regional Medical Research Centre, ICMR, Bhubaneswar		2015	Micronutrient malnutrition with special reference to vitamin A and its relation with other major trace elements in children of Odisha		
M. Phil	PG Department of Zoology, Berhampur University		2008	Glucose-6-Phosphate Dehydrogenase activity in liver of toads following adrenaline treatment		
PG	PG Department of Zoology, Berhampur University		2006	Specialization: Cell physiology and Biochemistry		
UG	Khallikote Autonomous College, Berhampur		2004	Zoology (Honours) with distinction		
Professional Experiences						
Organisation/ Institution		Designation		Duration	Role	
PG Department of Zoology, Berhampur University		Research Scholar		2006-2008	Research Scholar	
Regional Medical Research Centre' ICMR, Bhubaneswar		Senior Research Fellow		2009-2013	Research and Development	

Allen Career Institute	Lecturer	2014-2015	Teaching
Kendrapara Autonomous College, Kendrapara	Lecturer	2016-2023	Teaching and Research
Government Science College, Chatrapur	Assistant Professor	2024 (Continuing)	Teaching and Research

Teaching Experience (Subjects/Courses Taught)
<p>More than 7 years Honours teaching experience to undergraduate students in Zoology and more than one-year PG teaching experience. Registered academic counsellor for IGNOU (letter no- IG/RSD/Academic Counselor-19/dt-09/03/2021).</p>
Honors & Awards
<p>Awarded Young Scientist for the paper entitled 'Association of subclinical vitamin A status with malnutrition, anemia and infection in children of rural Bhubaneswar' in 44th National Conference of Nutrition Society of India held at Sri Venkateswara University, Tirupati from 16-17 November 2012.</p> <p>Awarded Haveli Ram Pasricha prize for the paper entitled "Trace elements and their association with nutritional status, vitamin A and anemia among children of Khurda district, Odisha, India' in 48th National Conference of Nutrition Society of India, St John's Research Institute, Bangalore in 2016.</p>
Publications
<p>I. Publications as First/Corresponding Author in indexed journals:</p> <ol style="list-style-type: none"> 1. S.Behera, P.K.Dixit, G.K.Panigrahy, H.N.Behera. Regulatory role of adrenaline on G6PDH activity in liver tissue of Common Indian toad, <i>Bufo Melanostictus</i>. IUP Journal of Life Sciences 2011; 5 (2): 40-50. (Peer Reviewed) ISSN: 09738487 2. S.Behera, G.Bulliyya, P.G.S Sathy, S.K.Kar. Influence of antioxidant vitamins on iron and haematological indicators in pre-school children. International Journal of Food and Nutritional Science 2012; 1 (1): 88-98. ISSN: 2319-1775 (UGC CARE listed) 3. S.Behera, S.Dixit, G.Bulliyya, S.K.Kar. Vitamin A Status and Hematological Values in Sick Cell disorder cases. Indian Journal of Medical Sciences. 2012; 66 (7-8): 169-174. (Scopus indexed) ISSN: 00195359 4. S.Behera, S.Dixit, G.Bulliyya, S.K.Kar. Depleted fat-soluble antioxidant vitamins and iron overload in children with β-thalassemia major in Odisha, India. Indian Journal of Pediatrics. 2014;81(3): 270-274. ISSN: 00195456 (Scopus indexed) JIF:3.535, NAAS:7.97 5. S.Behera, G.Bulliyya, D.K.Ray. Association of 25-hydroxyvitamin D with antioxidant vitamins, calcium, C-reactive protein and nutritional status in children from rural setting of Odisha, India. International Journal of Medical Science and Clinical Inventions. 2015; 2(12): 1470-1477. (Peer Reviewed) ISSN: 24549576 6. S.Behera and G.Bulliyya, "Magnitude of Anemia and Hematological Predictors among Children under 12 Years in Odisha, India," Anemia, vol. 2016, Article ID 1729147, 10 pages, 2016. doi:10.1155/2016/1729147. ISSN: 20901267 (Scopus indexed)

7. S. Behera, S.K. Rout, P. Patra, "A Comparative Study on Physicochemical Properties of Various Milk Samples Commercially Available in Kendrapara District, Odisha, India," *Manav Rachna International Journal of Allied Health Sciences* 2021; 2(1):25-30. (Peer Reviewed) ISSN: 23486856

II. Publications as Co-author in indexed journals:

1. B.N.Andia, P.K.Dixit, S.Behera, G.Mishra, H.N.Behera. Age related changes in minerals and collagen in long bones of Paddy-field frog, *Rana limnocharis*. *The IUP Journal of Life Science*. 2009; 3(2): 14-23. (Peer Reviewed) ISSN: 09738487
2. B.N.Andia, P.K.Dixit, S.Behera, G.Mishra, H.N.Behera. Estimation of age and growth by skeletochronology in paddy-field frog, *Rana limnocharis*. *The IUP Journal of Science & Technology*. 2009; 5(2):26-39. (Peer Reviewed) ISSN: 09732268
3. B.N.Andia, P.K.Dixit, S.Behera, G.Mishra, H.N.Behera. Assessment of age and growth in common tree frog, *Polypedates maculatus* by skeletochronology. *Proceedings of National Academy of Science. in India*. 2010; 80 (3): 221-229. (Scopus indexed) ISSN: 0369-8211 **JIF-0.396 NAAS: JIF+4=4.3**
4. P.K.Dixit, B.N.Andia, S.Behera, H.N.Behera. Age determination in common Indian toad, *Bufo melanostictus* by skeletochronology. *The IUP Journal of Science & Technology*, 2010; 6(3): 42-56. (Peer Reviewed) ISSN: 09732268
5. P.G.S.Sethy, G.Bulliyya, T.R.Rautray, S.Behera, S.K.Kar. Status of serum trace elements among preschool children in rural Bhubaneswar, Odisha, India. *International Journal of Advanced Nutritional and Health Science* 2014; 2(1): 59-66. (Peer Reviewed) ISSN: 2348-5140
6. P.G.S.Sethy, G.Bulliyya, T.R.Rautray, S.Behera, S.K.Kar. Nutritional status of preschool children in association with some trace elements in rural Gram Panchayatas of Bhubaneswar Block, Odisha, India. *Advanced Science Letters* 2014:20(3-4): 868-873. (Scopus indexed) ISSN: 19366612

Regional Journal:

1. Behera S (2018) 'Dietary management in diabetes' *Quintessence* 3:131-136. ISSN: 23477768
2. Samantaray S, Panda S, Rout S, Khandual S, Sarangi GP, Behera S (2019) 'Water Quality Analysis of Gobari River at Kendrapara Town, Odisha' *Quintessence* 4:45-50. ISSN: 23477768
3. Behera S (2020) 'Diet in Relation to Breast Cancer Risk Among Women' *Quintessence* 5:8-11. ISSN: 23477768

Quiz article:

- S Behera (2010) 'Water wonders' *Science reporter* 47(8):58-59.
- S Behera (2021) 'Human Viruses' *Science reporter* 57(6):56-57

Public Service / University Service / College Service /Consulting Activity/College Committee members

Current assignment: Coordinator of Self-Defence club,
Member of Student grievance redressed cell,
Discipline committee and squad, Member of Science club.

Past assignments:

Organizing committee member for two National seminars.

Member of college IQAC and NAAC committee.
Member of research and research journal committee
Member of college garden committee etc.

Professional Societies Memberships

Member of Nutrition Society of India in the year 2011-2012

Projects (Major Grants/Collaborations)

Nil

Other Details if any

LIST OF STUDENT PROJECTS GUIDED:

1. A comparative study on physiochemical properties of various milk samples commercially available in Kendrapara district, Odisha. (2017)
2. A comparative study of health status among students and service holders. (2018)
3. Study of Snakes in captivity with reference to habitat of Nandankan Zoo (2019)
4. Study of Crocodiles and Turtles in captivity with reference to habitat of Nandankan Zoo (2019).
5. Estimation of some biochemical parameters in the fish *Otolithes ruber*. (2020)
6. Changes in dietary behaviours and health status during the Covid-19 outbreak confinement in adult population in Kendrapara district (2021).
7. Assessing the status of vaccination for Covid-19 and its impact among college students. (2022)
8. Measurement of some anthropometric indicators of school children in Kendrapara district, Odisha. (2023)

International Conferences/Seminar attended:

1. Presented paper entitled '**Prevalence of malnutrition and its association with vitamin A deficiency and anemia among children in Orissa**' at the 8th Joint Annual Conference of ISMOCD & IAE held at Regional Medical research Centre, Bhubaneswar from **15-17 April, 2011**.
2. Presented paper entitled '**Status of vitamin A and its relation with other hematological parameters in referred Sickle cell cases of Orissa**' in 43rd National Conference of Nutrition Society of India held at NIN Hyderabad from **11-12 November 2011**.
3. Participated and presented a paper entitled '**Status of ferritin in patients of beta-thalassemia major**' in National Seminar on Ecotoxicology and Human Health sponsored by UGC held at Zoology Department, Berhampur University from **January 08-09, 2012**.
4. Participated and presented a paper in the Young Scientist Award session for the paper entitled 'Association of subclinical vitamin A status with malnutrition, anemia and infection in children of rural Bhubaneswar' in 44th National Conference of Nutrition Society of India held at Sri Venkateswara University, Tirupati from **16-17 November 2012**.
5. Presented a paper entitled 'Antioxidant status in β -thalassemia major: **Iron overload and depletion of fat-soluble vitamins**' in 44th National Conference of Nutrition Society of India held at Sri Venkateswara University, Tirupati from **16-17 November 2012**.
6. Presented a paper entitled '**Trace Elements And Their Association With Nutritional Status, Vitamin A And Anemia Among Children Of Khurda District, Odisha, India**' in 48th National Conference of Nutrition Society of India, St John's Research Institute, Bangalore, **04-05th November 2016**.
7. Participated in a Programme on **Young Graduates for Leadership in Biotechnology-2017** held on **17th-18th February 2017** at Centre for Biotechnology, SOA University, Bhubaneswar.
8. Attended two days National Seminar on '**Climate change and future of animals**' at PN Autonomous College, Khordha on **22nd and 23rd December 2018**.

A. TRAINING, Workshop and Orientation:

- Methodology of Nutrition Assessment and Body composition, National Institute of Nutrition, Hyderabad on 10th November 2011.
- International Course in Nutrition Research Methods: Obama-Singh Knowledge Initiative, BBNC, st John's Reseach Institute, Bangalore from 12th-23rd January 2015.
- The Introductory course on stable isotopic techniques in human nutrition, st John's research

institute, Bangalore June 2017.

- Participated in UGC sponsored orientation programme on 'Augmenting capabilities of teachers in higher education' held in Utkal University, Bhubaneswar from 26th October-22nd November, 2018 and awarded grade 'A'.
- Participated in the one-day workshop on Teacher's training and capacity building programme held on 15th July 2019 at Kendrapara Autonomous College.
- Participated in a training on 'Implementation of Digital Health and informatics in medical science research' on 23rd-24th October, 2019 at RMRC, Bhubaneswar.
- Completed academic training on CBCS syllabus under WD-OHEPEE-SAC in Zoology from 6th February to 12th February 2020.
- Successfully completed online course on 'Food Nutrition for Healthy Living' from 15th May, 2020 to 29th October, 2020 offered by NCERT, New Delhi.
- Successfully completed the workshop on RT-PCR on 16th February 2023 from The MITS school of Biotechnology, Bhubaneswar

B. Refresher Course: -

Successfully completed online Two – Week Refresher Course in "LIFE SCIENCES" from 01 – 15 September, 2021 and obtained Grade A+ from Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Miranda House, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers And Teaching.

Successfully completed online Two – Week Refresher Course in "LIFE SCIENCES" from 17 March – 01 April, 2023 and obtained Grade A+ from Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Department of Chemistry Miranda House, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.