CURRICULUM VITAE



SANTOSH KUMAR BERA
State Aided College Teacher, Dept. of Zoology
Egra S.S.B College ,Egra , Purba Medinipur , PIN 721429
M.Sc. in Zoology, (VU) B.Ed. (B.U), Ph.D. (Pursuing)
Email- santoshkumarbera666@gmail.com /santoshkrbera@egrasbcollege.ac.in
Contact No. +917384165364

Biography: 9 years teaching experience in B.Sc. and M.Sc. in Zoology, skilled in laboratory techniques in degree course. Proficient in planning and developing positive educational environment for students. Passionate about motivate students and arranging cultural program and having special affection to classical North Indian Music.

Academic Interest: Classical Zoology, Molecular Biology, Methods in Biology

Research Interest: Morphology and taxonomy of benthic foraminifera; Coastal environment and biodiversity assessment and emerging pollutants in coastal environment

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Education:

Pursuing **Ph.D. in Coastal Ecology** Coastal Environment Studies Research Centre, Egra S.S.B. College, affiliated with Vidyasagar University.

B.Ed., Birbhum Educational Institute, Burdwan University, 2018, **CGPA: 8.03**

M.Sc. in Zoology (Specialization: Ecology), Vidyasagar University, 2016 with **67.80%**

B.Sc. in Zoology (Honours), Egra S.S.B. College, Vidyasagar University, 2014 with **61.61%**

Higher Secondary (Science), Banamalichatta High (H.S.) School, W.B.C.H.S.E., 2011 with **65.80%**

Madhyamik, Egra J.L. High (H.S.) School, W.B.B.S.E., 2009 with **83.00%**

Publication:

Bar, S., Sahu, R., Bhaumik, A. K., **Bera, S. K.**, & Ghorai, S. K. (2026). Microplastiglomerates as emerging pollutant sinks: Characterization and heavy metal retention studies. *Science of The Total Environment*, *1017*, 181491.

Pal, P. P., Bar, S., **Bera, S. K**., Sahoo, D., & Ghorai, S. K. (2025). A Multi-Technique Investigation to Explore the Structural Integrity and Chemical Complexity of the Brachiopod Lingula anatina (Lamarck, 1801) Shells. *Journal of Structural Biology*, 108248.

Bar, S., Das, S., Bera, S., **Bera, S. K.**, Sahu, R., & Ghorai, S. K. (2025). Assessing microplastic accumulation in the hepatopancreas of marine and freshwater crabs from the North-East Part of the Bay of Bengal. *Environmental Research Communications*, *7*(8), 085001.

Giri, A., **Bera, S. K.,** Das, S., Mandal, B., & Ghorai, S. K. (2024). New distribution record: Pseudolella mangrovi Gagarin and Thanh, 2016 (free-living marine nematode) from Talsari Mangrove Mudflats, North-East Coast of India. *Records of the Zoological Survey of India*, 123-130.

Sahoo, D., **Bera, S. K.,** Pal, P. P., Tamili, D. K., Sarkar, B., Madhu, N. R., & Ghorai, S. (2024). Plankton act as a key indicator of the health and stability of aquatic ecosystems: A review. *A Basic Overview of Environment and Sustainable Development*, *3*, 257-272.

Mahapatra, A.D., Pal, G., Ghorai, S.K. and **Bera, S.K**. (2020). "Lygosoma albopunctata (White-spotted Supple Skink). Predation**".** Herpetological Review. 51(2): 334.

Mahapatra, A. D., **Bera, S.K**., Deuti, K. and Ghorai, S.K. (2019). "A new locality record of Orissa Cricket Frog, Fejervarya orissaensis (Dutta, 1997) from Purba Medinipur District, West Bengal State, India". International Journal of Experimental Research and Review (IJERR). 19: 18-21.

Ghorai, S.K., **Bera,S.K**., Mishra, S. 2014. Status of the largest dry fish market of India: A study on Egra Regulated Dry Fish Market, Egra,Purba Medinipur,West Bengal, IJCRAR, ISSN: 2347-3215 volume 2 no -5(May 2014) pp 54-65.

Presentation

Oral presentation on "Meiofaunal diversity of coastal Midnapore" Work in the "International Workshop on Land-Ocean-Atmosphere Interaction, Greenhouse Gases and Coastal Processes" Organized by Centre for Climate and Environmental Studies, IISER Kolkata, from 24th July to 5th August, 2018.

Oral presentation and on "Morphotaxonomy and Molecular Identification of an intertidal benthic Nemertean from Coastal Sundarbans with an emphasis on its fishery potential" in the Intranational Conference on Sustainable Environment & Heaithcare (ICSEH 2019) Organized by Dr.T.N.Poddar Memorial foundation in collaboration with Jadavpur University, Chitttaranjan National Canccer Institute,Kolkata , Lincoln University College, Malaysia from 21st and 22nd December 2019. **Awarded as Best paper presenter**.

Poster presentation on "Aquaculture potential of *Linguila sp* a Newly Described Precambrian Brachiopod as novel Bioresource from Bay of Bengal coast" in the Workshop on "International Capacity Building Workshop On Ocean Acidification" (ICBWOA) Organized by Centre for Climate and Environmental Studies, IISER Kolkata, from 26th Jan to 29th Jan, 2020.

Poster presentation on "Aquaculture potential of *Linguila sp* a Newly Described Precambrian Brachiopod as novel Bioresource from Bay of Bengal coast" in the National Symposium on "Animal Research Today: Basic and Applied Arena" Organized by Dept of Zoology, Midnapore College (Autonomous), held on 13th & 14th March 2020.

Poster presentation on "*Rynchonema ghoramoni* sp.nov. : a new species of free living marine nematode from Bay of Bengal Coast" in the One day state level seminar on "Coastal Biodiversity & its conservation" Organized by Dept of Zoology, Egra SSB College held on 29th Feb 2020

Oral presentation on "Intertidal Benthic Foraminiferal Test as A Proxy of Biogeochemical Signature of Subarnarekha Estuary, East Coast of India" 8th Regional Science and Technology Congress, organized Debra Thana Sahid Khudiram Smriti Mahavidyalaya (Autonomous) and DSTBT, Govt. of West Bengal, held on 20th–21st January 2026.

Oral presentation on 'Modern Benthic Foraminiferal assemblages from a newly colonized mangrove of Subarnarekha estuary, Odisha, India' in the *19th International Meiofaunal Conference* organized by IISER Kolkata and the International Association of Meiobenthologists on 10-12 December ,2025.

Oral presentation on "Modern Benthic Foraminiferal assemblages from a newly colonized mangrove of Subarnarekha estuary, Odisha, India"7th Regional Science and Technology Congress, organized by Midnapore college (Autonomous) and DSTBT, Govt. of West Bengal, held on 3rd and 4th January 2025.

Oral presentation on "Intertidal benthic foraminiferal test as a proxy of biogeochemical signature of Subarnarekha Estuary, north east Bay of Bengal" State level Seminar on 'Emerging pollutants and their effect on biodiversity organized by Ramananda College, Bishnupur & Divisional Forest Office, Panchet Division, WB, held on 19th July 2026. Stood First as paper presenter.

Experience:

As a laboratory technical assistant for 6 months under Central gov. Sponsored Soil health card project. Soil Testing Laboratory, Krishi Vaban , Abas, Midnapore, WB

JRF (project) for January - March 2017 under Dr.Punyasloke Bhadury, Associate Professor Dept. of Biological Sciences in the project entitled "Marine Faunal Diversity along the West Bengal coast with special reference to nematodes (MoES)".

Project Assistant for month of April under Dr.Punyasloke Bhadury, Associate Professor Dept. of Biological Sciences in the project entitled "Study on functioning of biological communities that determine prey based abundance in Sundarbans Biosphere Reserve (WWF-INDIA)".

Member of Coastal Ecology Research Laboratory, P.G Dept. of Zoology, Egra SSB College from month of May 2017, Lab web page https://sites.google.com/view/skgwebpage/

Member of Biodiversity Management Committee, Egra Municipality, Purba Medinipur from January 2019.

As a faculty member at P.G Dept. of Zoology, Egra SSB College from month of May 2017 till now.

Workshop

Participated one-day National level workshop on **"Perfect Pipetting Techniques and Cleaning Procedures"**. Organized by School of Life Science, Uluberia College, Howrah on 24th November, 2017.

Participated in 12 days International level Hands-on Training Cum Workshop on "**International Workshop on Land-Ocean-Atmosphere Interaction, Greenhouse Gases and Coastal Processes"** Organized by Centre for Climate and Environmental Studies, IISER Kolkata, from 24th July to 5th August, 2018.

Participated in three days National level Hands-on Training Cum Workshop on **"DNA BARCODING: A Newer Trend in Molecular Taxonomy."**Organized by P.G. Dept. of Zoology, Egra S.S.B. College, Purba Medinipur, West Bengal from April 9th to 11th April 2019.

Participated **"National Brainstorming Workshop on Conservation of Horseshoe Crabs and its Habitats "** Organized by Centre for Climate and Environmental Studies, IISER Kolkata, on 26th April 2019.

Participated in five days International level Hands-on Training Cum Workshop on **"International Workshop on Methods In Molecular Ecology."**Organized by P.G. Dept. of Zoology & Simultala Conservationists (Foundation For Wildlife), Egra S.S.B. College, Purba Medinipur, West Bengal from September 22nd to 26th September 2019.

Participated in four days International level Workshop on **"International Capacity Building Workshop On Ocean Acidification" (ICBWOA)** Organized by Centre for Climate and Environmental Studies, IISER Kolkata, from 26th June to 29th June, 2020.

One day orientation program for teachers and research scholar. Organized by IQAC, Vidyasagar University on 8th September 2023.

Techniques known:

Sediment and water geochemical analysis through different physicochemical parameters and nutrient analyses, Spectrophotometry. Mass spectroscopy, Microplastic isolation and quantification through Raman spectroscopy. DNA Isolation, Thermocycler, DNA Gel electrophoresis. Different microscopy, Histological techniques (Mallory, Azan).

M.Sc. dissertation work guided: 6 (2019 - 2023)

Communicating language: English(R/W/S), Hindi(S) and Bengali(R/W/S)

Adress for communication:

Name : Santosh kumar Bera
Father's Name : Ajit kumar Bera
Permanent Address : Vill- Dalalua, Ward No -03 , PO - Egra, P.S.-Egra,
Dist.-Purba Medinipur, PIN-721429, West Bengal, India.

Declaration: I bear the responsibility for the correctness of the above-mentioned particulars.

Digitally Signed by:
Santosh Kumar Bera
Date: 26-09-2026
01:35 pm