

Dr. Jaya kishor Seth

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Education

2020 **Doctorate of Philosophy (Zoology)**
Berhampur University, Berampur-760007, Ganjam, Odisha, India
Thesis title: Phylogenetic analysis of species of the family Leiognathidae using DNA barcoding and assessment of ichthyofaunal diversity of Gopalpur-on-Sea

2019 **Biostatistics and Mathematical Biology**
12 weeks online course offered by Swayam, Punjab Central University/UGC/ MHRD

2024 **Conservation Economics**
12 weeks online certificate course by NPTEL, IIT Madras (Course offered by IIT Kanpur)

2024 **Wild Life Ecology**
12 weeks online certificate course by NPTEL, IIT Madras (Course offered by IIT Kanpur)

2005 **Master of Science in Zoology**
Rajendra College (Autonomus), Sambalpur University, Bolangir-760007, Odisha, India
Specialization: *Molecular Genetics*, *Cytogentics*

Professional Experiences

1. Zoological Assistant: Zoological Survey of India (25th February 2008 to 16th September 2011)
2. Junior Lecturer: NSCB college, Sambalpur (21st September 2011 to 21st December 2011)
3. Assistant Professor (Stage-I) P.G. Department of Zoology, Berhampur University (26th December 2011 to 25th December 2017)
4. Assistant Professor (Stage-II) P.G. Department of Zoology, Berhampur University (26th December 2017 to 25th December 2022)
5. Assistant Professor (Stage-III) P.G. Department of Zoology, Berhampur University (26th December 2022 to 31st December 2025)
6. **Associate Professor, Department of Zoology, Visva Bharati University, Santiniketan West Bengal, India (1st January 2026 to till date)**

Areas of Specialization/Interest

Research Interest: DNA Barcoding, Molecular Systematics (Fishes and Isopods), Biodiversity and Conservation Biology, Evolutionary Biology

Notable Contribution

❖ ***New species discovered*:**

1. ***Cirrhimuraena indica*** Mohapatra, Mohanty, Ray, Mishra and **Seth**, 2021
2. ***Pisodonophis kalinga*** Mohanty, Behera, Acharya, Patnaik, Ray, **Seth**, Patro, Mishra and Mohapatra 2023
3. ***Awaous motla*** **Seth**, Roy Sura, Puvala, Mishra and Mohapatra, 2023
4. ***Lobothorax bharat*** Mohapatra, Roy, **Seth**, Tripathy, and Mohapatra, 2025

Completed Projects

1. Title of the Project: "**Studies on the population structure, and genetic diversity based on D-loop region of mitochondrial DNA, and germplasm resources mapping of near threatened and vulnerable sheatfishes (family: Siluridae) of Odisha".**
Funding Agency: **Department of Science and Technology, Government of Odisha**
Tenure of the Project: **Three years (2021-2024)**
Amount: **7.19 lakhs**
Status: Completed
Role: Principal Investigator

2. Title of the Project: **"Molecular characterization, genetic analysis, and study of the life cycle of parasitic isopods of the family Cymothoidae found along the Northern part of the East Coast of India, and the Chilika lagoon"**
Funding Agency: **Science & Engineering Research Board (SERB), Department of Science and Technology, Govt. of India**
Tenure of the Project: Three years (2022-2025)
Amount: Rs. **37, 27,680/-**
Status: Completed
Role: Principal Investigator

3. Title of the Project: "**Integrative Taxonomic Approaches to Unravel Cryptic Species Complex in Freshwater Fishes of the Northern Eastern Ghats, India".**
Funding Agency: **Odisha State Higher Education Council, Government of Odisha**
Amount: **6.42 lakhs**
Status: Project report submitted
Role: Principal Investigator

Ongoing Project

1. Title of the Project: "Phase I of Project under **OMBRIC (Odisha Marine Biotechnology Research and Innovation Corridor),** title, "**C**entre for Odisha Marine Biodiversity and Biotechnology Innovation**".**
Funding Agency: **Department of Science and Technology, Government of Odisha**
Tenure of the Project: **Two years (2025-2027)**
Amount: **3.66 Crores (For First Year)**
Role: Lead Scientist

Post-Doctoral/Doctoral Student/ MSc Student Guidance

1. **Ms. Dilraj Puvala**, **PhD Scholar**; Topic: ***Studies on the fresh water fishes of Western Odisha***, Year of Registration: 2020, Year of Completion/ In-progress: **Awarded (Date of Viva-Voce: 07/11/2024) (Notification Ref. No.: 3455/EC-II (M.Phil./Ph.D.)/ 2024; Date:09/11/2024). (Role: Supervisor)**
2. **Dr. Swarup Ranjan Mohanty** has joined as **National Post Doctoral Fellow (N-PDF)** (**Science & Engineering Research Board (SERB), Department of Science and Technology, Govt. of India). Year of joining: 2024.** Completion/In-Progress: **Completed. (Role: Mentor)**
3. **Mr. Sandeep Kumar Mohapatra**, **PhD Scholar**; Topic: ***Systematics, Evolution of site-specific attachment behaviour and Analysis of shape variation in parasitic Isopods of the family Cymothoidae found along the Odisha coast***, Year of Registration: 2023, Year of Completion/ In-progress: **Awarded (Date of Viva-Voce: 13/10/2025) (Notification Ref. No.: 3210/EC-II (M.Phil./Ph.D.)/ 2025; Date:28/10/2025). (Role: Supervisor)**
4. **Mr. Jayaprakash Malik**, **PhD Scholar**; Topic: ***Study on the Ecology and Genetic Analysis of Free-living Terrestrial Isopods of Northern Part of the Eastern Ghats, India, Year of Registration*: 2024**, Year of Completion/In-Progress: **In-Progress. (Role: Supervisor)**
5. **Mr. Sameer Sura, PhD Scholar**; Topic: ***Unravelling the Diversity and Molecular Characterisation of Siluriformes in the Northern Eastern Ghats Region with special reference to Odisha, India, Year of Registration*: 2024**, Year of Completion/In-Progress: **In-Progress. (Role: Co-Supervisor)**

6. **Mr. Sanmitra Roy, PhD Scholar**; Topic: ***Study on the life cycle, host prevalence and reproductive trade-off of parasitic isopods of the family Cymothoidae in the Chilika Lagoon, Odisha, Year of Registration*: 2024**, Year of Completion/In-Progress: **In-Progress. (Role: Co-Supervisor).**
7. **38 MSc Students** successfully completed their dissertation (**awarded**)

Professional Affiliation

1. Reviewer Indian Journal of Geo-Marine Sconce
2. Reviewer Journal of Fisheries
3. Reviewer Indian Journal of Science and Technologyf
4. Reviewer Thalassas: An International Journal of Marine Sciences
5. Reviewer Records Zoological Survey of India
6. Reviewer Biologia
7. Reviewer Biodiversitas Journal of Biological Diversity
8. Reviewer Parasitology Research
9. Reviewer Heliyon
10. Reviewer Parasitology International
11. Reviewer Regional Studies in Marine Science
12. Reviewer of Marien Biological Association of the United Kingdom

Conferences/ Seminar Abstract/Poster/Paper Presented /attended/Invited Talk

1. Seth,J.K., "Sunderbans: its diversity and threat", Abstract presented in "National Seminar on Ecotoxicology and Human Heath" organized by P. G. Department of Zoology, Berhampur University, 8^{th}-9^{th} January, 2012.
2. Seth, J. K., Mishra, G., Sahoo, S., "Icthyofauna of Sunderbans and its threat', Abstract presented in "National Seminar on Man and Environment" organized by the P. G. Department of Zoology, Berhampur University, 10^{th} -11^{th} June, 2012.
3. Seth, J.K., Behera, S.,"Behavioural pattern of captive deer (*Axis axis)* in the Zoological Garden of Berhampur University", Abstract presented in "National Seminar on Man and Environment" organized by the P. G. Department of Zoology, Berhampur University. 10^{th} -11^{th} June, 2012.
4. Seth, J.K, Sahoo, S., "Fish diversity at Gopalpur-on-Sea during 2012", Abstract presented in "National Seminar on Marine Biodiversity and Coastal Pollution" organized by P.G. Department of Marine Science, Berhampur University, 25^{th}- 26^{th} March, 2013.
5. Seth, J.K., "Karyomorophology of the pony fishes (Leiognathidae: Perciformes)", Abstract presented in "National Seminar on Current trend on animal science research" organized by P.G. Department of Zoology, North Orissa University University, 21^{st} -22^{nd} March 2014.
6. Seth, J.K., "Adverse Impact of Global Climate Change and Irregular Monsoon, Agriculture, Aquaculture and Capture fishery in Coastal India and its Management", paper presented in "National Seminar on Climate Change and marine fish diversity" organized by AABAHANA in collaboration with Department of Zoology, Berhampur University,Odisha,26^{th} -27^{th} March,2016.
7. Seth, J.K., "People Biodiversity Register and Human Right Protection", Abstract presented in "National Seminar on Violation of human right in contemporary India-challenges and prospective" organized by Department of History, Berhampur University ,18^{th} -19^{th} September, 2017.
8. Seth, J.K and Barik, T.K., "Geometric morphometric" is gaining momentum for morphological analysis in Biological science: a case study", Abstract presented in "National seminar on recent trends in microbiology and biotechnology" organized by MITS School of Biotechnology, Bhubaneswar ,16^{th} -17^{th} March,2018.

9. Seth, J.K and Barik, T.K., "Studies on the shape variation in the pony fishes(family:Leiognthidae) of Gopalpur-on-Sea odisha coast, India", Abstract presented in "National seminar on Perspective of Human Helath, Microbial Biotechnology and Innovation" organized by Vidyasagar University, Midnapore, West Bengal, 27th -29th April,2018.

10. Participated in National Seminar on "Plastic Pollution and Coastal Environment" organized by Zoological Survey of India, Gopalpur-on-Sea, 5th June, 2018.

11. Mohanty, S.R., Seth, J.K and Mohapatra, A., "Taxonomic study of order Beloniformes along Odisha Coast", Poster presented in "National conference on Crossroads of Biological Science and its Applications (CBSA-2109)" organized by P.G.Department of Zoology, Berhampur University, 15th-16th February, 2019.

12. Seth, J.K., Mohapatra, S., Mishra, P. and Behera, Rajashree., "Studies on the invasive alien species yellow crazy ant: *Anoplolepis gracilipes* (Smith 1857) and its impact with special reference to district Ganjam, Odisha,India", Poster presented in "National conference on Science and Technology: Rural Development" Organized by Indian Science Congress Associations, Bhubaneswar chapter, KIIT University,13th -14th December,2019.

13. Seth, J.K., "Cons overshadow the pros while dealing with invasive alien species (IAS): critical analysis is the need of the hour", Abstract presented in "National conference Advances and Challenges in Biological Sciences" organized by P.G.Department of Zoology, Berhampur University, 12th-13th February, 2020.

14. Seth, J.K., "Role of DNA Barcoding in Biodiversity Conservation", **Invited talk** in "National webinar on "Recent trend in Biological Sciences" organized by Department of Botany, Sonepur College, Sonepur on 15th September , 2020.

15.Seth, J.K., "Molecular Systematics: DNA Barcoding", **Resource Person** in "Integrated Marine Conservation and Sea Turtle Biology Internship" under **Accelerate Vigyan Programme of SERB**, Organised by Zoological Survey of India, Gopalpur-on-Sea, 3rd – 4th December 2021.

16. Seth, J.K., "Integrated Taxonomic Approach for Biodiversity Conservation", **Invited Talk** in the International Conference on "Recent Advances in Biological Science-2022 (RABS-2022), Organised by Vikram Dev (Autonomous) College Joypore, Koraput, Odisha, 23rd – 24th December 2022.

17.Seth, J.K., "DNA Barcoding of Marine and Estuarine Isopods and their host fishes", Resource **Person** in the **SERB funded Training and Capacity Building Programme** organised by P.G. Department of Zoology, Berhampur Univeristy, 24th – 25th March 2023.

18. Seth, J.K., "Basic idea on Descriptive Statistics and Data Summarization; and Hypothesis Testing: t test (Hand-on)", **Resource Person** in the Workshop on Research Methodology: Tools and Practices organised by Berhampur University, 4th – 9th September 2023.

21. Seth, J.K., "Genetic diversity of *W. attu* (Bloch and Schneider, 1801) based on mitochondrial D-loop region collected from different riverine system of Odisha" in the National conference on Biological Sciences in Post-genomic Era (NCBSPGE-2023) organised jointly by Department of Biotechnology and Zoology, Berhampur University (Sponsored by OHEPEE, Govt. of Odisha), 3rd-4th November 2023.

19. Seth, J.K., "Role of DNA Barcoding in Biosystematics", **Resource Person** in the Seminar organised by Gopalpur College, Ganjam, Odiha on16th December 2023.

20. Seth, J.K., "DNA Barcoding of Marine and Estuarine Isopods and their host fishes-Phase II", Resource **Person** in the **SERB funded Training and Capacity Building Programme** organised by P.G. Department of Zoology, Berhampur Univeristy, 23rd – 24th March 2024.

22. Seth, J.K., "Unveiling Lesser-Known Invertebrates: A Multidimensional Exploration of Cymothoid Species", **Invited Speaker** in the International Conference "GREEN ALTERNATIVES AND BIOLOGICAL SUSTAINABILITY" (ICGAABS-2025) organised by Government Science College, Chatrapur, Ganjam, Odisha, 5th-6th March 2025.

23. Seth, J.K. "Insight into the biology of cymothoid species", Invited Speaker in the National Conference "Role of Zoological Research in Achieving Sustainable Development Goals" organised by Department of Zoology, Maharaja Sriram Chandra Bhanja Deo University., Baripada, Odisha, 2nd–3rd May 2025.

Refreshers Courses/ Short-term Courses/Workshops attended/ Faculty Development Programme

1. "Monitoring / Estimation of Tigers, Co-Predators/ prey and habitat at Sunderbans", Organized by Sunderban Tiger Reserve, West Bengal, India, 4th -8th March, 2010.
2. "IX refresher course on collection and preservation Technique of Zoological specimens", Organized by Zoological Survey of India (MoEF), 16th -19th March, 2010.
3. "National Training workshop on conservation and management of Mangroves", organized by GEER foundation Gujrat in collaboration with MoEF, 1st -5th April, 2010.
4. "Exhibition cum seminar on "Climate change: Global warming and sustainable development" held at Sunderban MahaVidyalaya, Kakdwip, West Bengal, 19th -21st January, 2011.
5. "Workshop cum training programme on "Biotechnology and Bioinformatics Tools and techniques", organized by Bioinformatics Infrastructure Facility centre, Berhampur University, Odisha, 21st -22nd March,2012.
6. "Orientation Course", at Academic Staff College, Sambalpur University, 23rd July -19th August, 2012.
7. "Workshop-cum-Training Programme on "Application of Bioinformatics tools in Biological Science teaching and Research", organized by Bioinformatics Infrastructure Facility centre, Berhampur University, Odisha, 22nd -24th March,2013.
8. Training programme on "Forest Ecosystem, Biodiversity and Climate change: Vulnerable and Adaption Strategies" at ICFRE, Dehradun, 9th -13th December, 2013.
9. National Workshop on "Bioinformatics and Biodiversity Conservation", organized by Ganapati Sabat Foundation at Youth Hostel, Gopalpur-on-Sea, 1st February, 2014.
10. "UGC sponsored short term course on use of SPSS in data analysis" at Academic staff college, Sambalpur University, 19th -21st April, 2014.
11. National Workshop on "Biotechnology for Economic Enhancement of Rural Community in Southern Region of Odisha" organized by Post Graduate Department of Zoology, Berhampur University, Berhampur, Odisha Sponsored by DBT and in association with Socio Cultural Development Centre, 11th September, 2015.
12. National Workshop on "Workshop cum Training on Recent Development and future trends of Bioinformatics in Biological science" organized by Post Graduate Department of Zoology, Berhampur University,Berhampur, Odisha Sponsored by DBT, 26th -27th December, 2016.
13. DBT Sponsored 21 days Refresher cum training on "Application of metagenomics and proteomics Approaches in the crossroad of Biological Science" organized by Department of Microbiolgy, Vidyasagar University, 25th October-18th November, 2017.
14. Workshop on Basic aspects and application on NMR spectroscopy Organized by IISER Berhampur and National Magnetic Resonance Society India, 24th -26th September,2018.
15. Five days training on "Molecular Biology, Next Generation Sequencing and Bioinformatics" at Yaazh Xenomics, 326, 1 st Floor, Thadagam Road, Near GCT College, Coimbatore-641013, Tamil Nadu, India, 16th -20th October,2018.

16. One day workshop on "Role of IPRs and Innovation Management in University Ecosystems" at Khalikote University, Berhampur Organized by National Research Development Corporation and Khalikote University, 30th October,2018.
17. One day workshop on "Faunal diversity of Chilika Lagoon" Organised by EBRC, Zoological Survey of India, 26th July,2019.
18. Six-days workshop on "Tangled Bank" Organised by Indian National Young Academy of Science and Department of Botany, Punjab Central University, 31st May- 5th June, 2020.
19. Three-days virtual workshop on "Blue Planet" Organised by Indian National Young Academy of Science and Department of Geology, Punjab Central University, 7th -9th June, 2020.
20. **Five-days Faculty Development Programme** on "Mathematics for Biological Sciences" Organised by Faculty Development Centre, UGC-MHRD, Savitribai Phule Pune University, 15th -20th June, 2020.
21. Seven-days virtual workshop on "Science Leadership" Organised by Indian Science Academies and Punjab Central University, 22nd -28th June, 2020.
22. **Seven-days Faculty Development Programme** on "Earth & Environment Responses During COVID - 19" Organised by Faculty Development Centre, UGC-MHRD, Savitribai Phule Pune University, 11th -17th July, 2020.
23. **Twenty-One** days **Faculty Development Programme** on"Adopting to Online Teaching Learning Technologies" Organised jointly by Dr B R Ambedkar University Delhi and Dr B R Ambedkar University Srikakulum, 16th November to 07th December 2020.
24. **SWAYAM ARPIT ONLINE COURSE on "Leadership and Governance In Higher Education. Level 2"** From 1st Dec 2020 to 31st March 2021, With a Grade "A" in the proctored examination held on 21/08/2021
25. Nine Days Programme on " **Flipper Tagging of Olive Ridley Sea Turtles along Odisha Coast**" carried out by **Zoological Survey of India**, during Arribada (**26th March-3rd April 2022**).
26. Two days International Workshop on "**Molecular Phylogenetics form Basic to Advance Applications**", organised by the Quaxon Bio & IT Solutions, India, 7th -8th October 2023.
27. **Eight Days Refresher Course** on "**NEP 2020 Orientation & Sensitization Programme**" under **Malaviya Mission Teacher Training Programme (MM-TTP)** of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre (MMTTC), Berhampur University, from 18th – 25th January 2024 (Programme ID: MMC-111 -2024-JAN-B-00621).
28. **12-week FDP programme on "Conservation Economics"** by NPTEL, IIT Madras (course offered by IIT Kanpur) January-April 2024.
29. **12-week FDP programme on "Wildlife Ecology"** by NPTEL, IIT Madras (course offered by IIT Kanpur) July-October 2024.

Research Publications **(* Corresponding Author)**

1. ***Seth, J. K.** and Sahoo, S. 2013.First record of *Pempheris vanicolensis* Cuvier, 1831 from the Odisha coast, India. ***International Journal of Advanced life Science***, *6(3):258-260*.
2. ***Seth, J. K.**, Sahoo, S. and S. Mitra. 2014. First record of isopod parasite, *Nerocila phaeopleura* on the host fish *Rastrelliger kanagurta* collected from Bay of Bengal, Odisha coast, India. ***International Journal of Current Research***, 6(4):6092-6093.
3. ***Seth, J. K.** and Sahoo, S. 2014.First record of *Diagramma pictum* (Thunberg, 1792) from the Odisha coast, India. ***Indian Journal of Geo-Marine Science***, 43(6):971-973.
4. Gokul, A and **Seth, J.K.**2017. Preliminary studies on the faunal diversity in the fish landing centre of Sunderbans.2017. ***Records Zoological Survey of India***, 117(2): 122- 130.
5. ***Seth, J. K.,** Barik, T.K. and Choudhury, R.C. 2018. Karyomorophometry of two pony fishes, *Secutor insidiator* (Bloch, 1787*)* and *Leiognathus equulus* (Forsskal, 1775) (Leiognathidae) from the Odisha Coast, Bay of Bengal. ***Indian Journal of Geo-Marine Science***, 47(02):469-474.
6. Rout, A. K., Mohapatro, D., **Seth, J.K**., Sahoo, D.K., Karna, S.K., Guru, B.C and Panda, S.2018. Length–weight relationship of three *Cynoglossus* species (C. puncticeps, C. lingua and C. lida) from Chilika lagoon, India. ***Journal of Applied Icthyology***, 34:988-989.
7. ***Seth, J.K**., Barik, T.K. and Mishra, S.S. 2019. First Record of *Gazza dentex* (Leiognathidae) from Odisha Coast, India and Assessment of its Length-weight Relationship**. *Journal of Ichthyology***, 59(2): 266–270.

8. ***Seth, J.K**., Barik, T.K. and Mishra, S.S. 2019. Geometric morphometric approach to understand the body shape variation in the pony fishes (Teleostei: Leiognathidae) of Odisha Coast, India. ***Iranian Journal of Ichthyology***, 59: 266– 270.

9. ***Seth, J.K**., Mohapatra, S., Mishra, P. and Behera, R. and Lingam, D.S.2019.Native species displacement by invasive alien species yellow crazy ant: *Anoplolepis gracilipes* (Smith 1857) (Hymenoptera: Formicidae). ***Indian Journal of Ecology***, 46(4): 867-870.
10. Mohanty, S.R., **Seth, J.K**. and Mohapatra, A. and Mishra, S.S.2020. Note on occurrence of Lutke's halfbeak Hemiramphus lutkei Valenciennes, 1847 (Beloniformes: Hemiramphidae), along Odisha Coast. ***Journal of Fisheries*,8(2):865-867**.
11. ***Seth, J.K**., Behera, A.K., Mohanty, S.R. and Mohapatra, A.2020. Extension of host range for *Anilocra dimidiata*, *Nerocila sigani* and first record of *Nerocila depressa* (Isopod: Cymothiod) from Odisha coast, India. ***Indian Journal of Geo-Marine Science***, 49 (08): 1498-1500.
12. ***Seth, J.K**., Chakraborty,S., Roy, S. and Mohapatra, A.2020. New host record of *Joryma malabaricus*, *Joryma hilsae* and first record of *Joryma sawayah* (Isopoda: Cymothoidae) from Odisha coast, India. ***Indian Journal of Geo-Marine Science***, 49 (08): 1501-1504.
13. Mohapatra, A., Mohanty, S.R., Ray, D., Mishra, S.S. and **Seth, J.K**. 2021. A new species of the genus Cirrhimuraena (Anguilliformes: Ophichthidae) from Bay of Bengal, India. ***Journal of Fish Biology***. DOI: 10.1111/jfb.14671.
14. Mohapatra, S.K., Mohanty, S.R., Behera, R.K., ***Seth, J.K**. and Mohapatra, A.2021. First record of *Mothocya renardi* and *Mothocya collettei* (Isopoda: Cymothoidae) from northern part of East Coast of India and new host record of *Mothocya collettei*. ***Journal of Parasitic Diseases***. https://doi.org/10.1007/s12639-021-01348-3.
15. ***Seth, J.K**., Mohapatra, S.K., Mohanty, S.R., Behera, R.K. and Mohapatra, A.2021. Confirmation on the occurrence of *Cymothoa indica*, and first record of *Norileca indica,* with a note on new host records of *Nerocila arres*, and *Nerocila depressa* (Isopoda: Cymothoidae) from Odisha coast, India. ***Journal of Parasitic Diseases***. https://doi.org/10.1007/s12639-021-01382-1
16. ***Seth, J.K**., Mohanty, S.R., Behera, A.K.,Murmu, L.K. and Mohapatra, A.2021. First record of *Lobothorax typus* from Odisha coast, India, with molecular characterization and observation of its biphasic moulting. ***Journal of Parasitic Diseases***. https://doi.org/10.1007/s12639-021-01405-x.
17. Mohapatra, S., Mishra, P., Behera, R. and ***Seth, J.K**.2021. Invasive Alien Species Yellow Crazy Ant-Hemipterans Mutualism and Assessment of Unicoloniality. ***Indian Journal of Ecology***, 48(3): 728-730.
18. ***Seth, J.K.** and Barik, T.K.2021. DNA Barcoding of the Family: Leiognathidae in the Water of Bay of Bengal, Odisha Coast, India Based on 16s rRNA and COI Gene Sequences. ***Thalassas: An International Journal of Marine Sciences***. https://doi.org/10.1007/s41208-021-00324-1.
19. Panda, D., Biswal, I., **Seth, J.K**. and Barik.T.K. 2021.Wing Morphometric and DNA Barcoding Analysis of Two Different Public Health Important Anopheles Mosquito Species. ***Journal of the Entomological Research Society***. https://doi.org/10.51963/jers.v23i3.2026.
20. Ray.D., Mohapatra, P., Ghorai, N., **Seth, J.K.** and Mohapatra, A .2022. Infection of the parasitic isopods on commercial fishes of the northern part of the east coast of India. ***Journal of Parasitic Disease***. https://doi.org/10.1007/s12639-021-01463-1.
21. Mohapatra, S.K., Acharya,S., Sura, S., Mohanty, S.R., Behera, R.K., ***Seth, J.K**., Tripathy, B. and Mohapatra.A. 2022.First report of parasitic isopod *Nerocila orbignyi* (Cymothoidae) from India with its molecular characterization. ***Journal of Parasitic Disease***. https://doi.org/10.1007/s12639-022-01469-3
22. Tripathy, P.K., ***Seth, J.K.** and Dixit, P.K. 2022.Geometric morphometric analysis of flatfishes of Gopalpur on Sea, Odisha coast, India. ***Proceedings of the Indian National Science Academy***. https://doi.org/10.1007/s43538-021-00061-2.
23. Gouda, S., Pattnaik, S., Biswal, I., **Seth, J.K.,** Hazra, R.K., Panda, B.B., Poopath, S. and Bharathi.A. 2022. New record of a mosquito *Aedes mcintoshi* (Huang) from India. ***Indian Journal of Entomology***.Ref. No. e21257. DoI. No.: 10.55446/IJE.2022.518.
24. Gouda, S., Pattnaik, S., Biswal, I., Das, P., Biswal, I., **Seth, J.K.,** Hazra, R.K., Panda, B.B. 2022. Record of mosquito C*oquillettidia xanthogaster* (edwards) from India. ***Indian Journal of Entomology***. Ref. No. e22420 DoI. No.: 10.55446/IJE.2022.686.
25. Roy, S., Mohapatra, S.K., Mitra, S., **Seth. J.K.**, Tripathy, B. and Mohaptra, A.2022.First Report of Cymothoid Isopod *Nerocila kisra* Bowman and Tareen, 1983 (Family: Cymothoid) from India. ***National Academy Science Letter***. https://doi.org/10.1007/s40009-022-01154-2

26. Sahoo,S., Mishra,G., **Seth,J.K**., Murumu, L.K. and Gouda S. 2022.Functional capabilities of spiders in support of sustainable agriculture. ***Indian Journal of Entomology***. Ref. No. e22557 DoI. No.: 10.55446/IJE.2022.68.

27. Mohapatra, S., Sura,S and ***Seth.J.K**.2022.Overlapping and partitioning of niche among different life stages of the parasitic isopod Cymothoa indica in the host *Glossoglobius guiris* collected from the Chilika lagoon, India. ***Parasitology Research***. https://doi.org/10.1007/s00436-022-07641-1.
28. Mohanty, S.R., Behera, R.K., Acharya, S., Patnaik, L., Ray, D**., Seth, J.K**., Patro, S., Mishra, S.S. and Mohapatra. A. 2023. Morphological and molecular clue resolves confusion in *Pisodonophis boro* complex with re-description of *Pisodonophis boro* (Hamilton, 1822) from type locality and description of a new species from India. ***Marine Biodiversity***. https://doi.org/10.1007/s12526-023-01339-y.
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1. Barik, T.K. and **Seth, J.K**.2019. Understanding the process of evolution and the future of biodiversity under a changing climate with special reference to infectious. ***Biodiversity and Conservation***. APPLE ACADEMIC PRESS, 341-359.
2. **Seth, J.K**. 2021. Invasive Alien Fish Species in the Inland Water Bodies of India. ***Research Trends in Fisheries and Aquatic Sciences***. AkiNik Publications. Vol:10, page: 105-117.
3. **Seth, J.K.,** Mohapatra,A., Mohnaty, S.R. and Roy. S. 2022. Microsatellite Markers for Fish Conservation. ***Advances in Fisheries Biotechnology.*** pp 175–181. https://doi.org/10.1007/978-981-16-3215-0_12.
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Awards and Recognition:

- ✓ **CSIR NET,2006; GATE-2005, 2006**
- ✓ **"Discovery Award- 2023" from Berhampur University**
- ✓ **First Prize under MRIP Faulty Category in the Odisha Research Scholar Conlave-2025**