

Curriculum Vitae

Panakkool Thamban ANEESH, Ph.D., B.Ed.

Assistant Professor

Graduate School of Integrated Sciences for Life,

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<https://seeds.office.hiroshima-u.ac.jp/profile/en.b6802f05430a4a67520e17560c007669.html>

https://www.researchgate.net/profile/Panakkool_Aneesh2










<http://www.abisys.in>

<http://keralamarinelife.in/EditorialBoard.html>

<https://zookeys.pensoft.net/editors/>

<https://bdj.pensoft.net/editors/>



 http://orcid.org/0000-0002-8506-5107	 Scopus https://www.scopus.com/authid/detail.uri?authorId=55584136800	 WEB OF SCIENCE RESEARCHER ID https://publons.com/researcher/H-6737-2016/
 https://scholar.google.co.in/citations?user=yZSDXQsAAAAJ&hl=en	 https://www.researchgate.net/profile/Panakkool_Aneesh2	<p>Linz Zoocode Committee</p>
 https://zookeys.pensoft.net/editors/ <p>Subject Editor (Taxonomy & Systematics)</p>	 https://bdj.pensoft.net/editors/ <p>Subject Editor (Taxonomy & Systematics)</p>	 http://keralamarinelife.in/EditorialBoard.html <p>Assistant Editor</p>
<p>Japanese Society of Systematic Zoology https://www.systematiczoology.jp/home</p>	 <p>World Association of Copepodologists https://www.monoculus.org/</p>	<p>The Taxonomy Society of Japan https://www.systematiczoology.jp/home</p>

1. Personal Details

Date of birth : 16th May, 1985

Sex : Male

Marital status : Married

Permanent Address: Adukkadan Thazhe Veetil,
 Thayyeni (P. O.) Kasaragod Dist -670511, Kerala, India.
 Telephone: (Home) (+91) 4985 - 213716
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E-mail: anee3716@gmail.com

2. **Educational qualifications:** M. Sc., B. Ed., SET, Ph. D.

I) POST-DOCTORAL LEVEL

a. POST DOCTORAL FELLOW

International Project: “**The Deep-Sea Decapod Crustaceans of Indian Seas: Taxonomy and Biogeography**” based on the MOA between University of Kerala, Department of Aquatic Biology and Fisheries and Lee Kong Chian Natural History Museum, National University of Singapore

Duration: **1 Year, 5 months**

Date of Joining: **01/11/2020 to 31/03/2022**

Host Institute: **Lee Kong Chian Natural History Museum, National University of Singapore and Department of Aquatic Biology & Fisheries, University of Kerala, Kariavattom**

Name of the Mentor: **Dr. A. Biju Kumar** (Professor and Head & Mentor)
Department of Aquatic Biology & Fisheries
University of Kerala
Kariavattom
Thiruvananthapuram - 695 581

b. UGC –DS KOTHARI POST DOCTORAL FELLOW

Project Title: ***Diversity, Distribution, DNA Barcoding and Phylogeny of Isopods (Arthropods: Crustacea) parasitizing Commercially valuable marine fishes along the Kerala coast***

Duration: **3 Years,**

Date of Joining: **01/11/2017**

Host Institute: **Department of Aquatic Biology & Fisheries, University of Kerala, Kariavattom**

Name of the Mentor: **Dr. A. Biju Kumar** (Professor and Head & Mentor)
Department of Aquatic Biology & Fisheries
University of Kerala
Kariavattom
Thiruvananthapuram - 695 581

c. INVITED FELLOW

Host Institute: **Water Research Group, North west University, Poachfastroom Campus, South Africa as an Invited Fellow**

Duration: **1 month,**

Host: **Prof. Nico Smit & Dr. Kerry Hadifield**

Project: As part of a global biodiversity database project on parasitic Cymothoids

d. POST DOCTORAL FELLOW – Zoological Survey of India (MoEF & CC, Govt. of India)

Project Title: ***Diversity, Distribution, and Taxonomy of Parasitic crustaceans infesting the marine fishes of Indian water***

Duration: From **01/11/2017 to 16/10/2017: 1 Years, 2 months and 16 days**

Name of the Mentor: **Dr. Kailash Chandra**

Director, Zoological Survey of India, HQ, Kolkata.

e. Senior Research Fellow (Post Doctoral)

From March 2016 to June 2016 I was worked in ICAR-Central Institute of Brackishwater Aquaculture (CIBA), Chennai on EHP, a microsporidean parasite infesting on shrimps, recently reported from India.

f. Researcher (Post-Doctoral)

Mentor: Dr. Sudha K., Post Graduate Dept. of Zoology & Research Centre,
Sree Narayana College, Kerala, India.

Duration: From **24/10/2014 to 27/02/2016: 1 Years, 4 months**

II. DOCTORAL LEVEL

a. Ph. D. (Zoology) : Thesis entitled “*Studies on parasitic crustaceans infesting the fishes of Malabar coast*”

: (Date of award: 23.10.2014)

Supervising Teacher

: Dr. Sudha K.

Post Graduate Dept. of Zoology & Research Centre,
Sree Narayana College, Kerala, India.

Under the registration of Kannur University

b. B. Ed. : (2007-08) First Class, Kannur University
(Natural Science)

c. M. Sc. (Zoology) : (2005-07) First Class, Annamalai University
(University campus, Chidambaram)

d. B. Sc. (Zoology) : (2002-05) First Class, Payyanur College, Payyanur
Kannur University, Kerala, India.

Details of the Research:

- For the past 12 years, I have been pursuing research on the taxonomy, growth, and reproduction of parasitic crustaceans infesting the marine fishes of Indian waters. I started my doctoral research in 2009 on “Studies on Parasitic Crustaceans Infesting the Fishes of Malabar Coast”. I was awarded a Ph.D. in 2014 from Kannur University, Kerala, India. In the meantime, I have learned the basics of crustacean taxonomy by reading taxonomic papers and books and interacting with several renowned taxonomists worldwide.
- After my doctoral program, I worked at Sree Narayana College, Kannur, and Nehru Arts & Science College, Kanghangad, Kerala as a **guest lecturer**; ICAR-Central Institute of Brackishwater Aquaculture (CIBA), Chennai, as a **Senior Research Fellow** on EHP, a microsporidian parasite infesting on shrimps, recently reported from India, which involves the techniques such as Histopathology, Microscopy, Microbiology, In-situ hybridization, Isolation of Nucleic acids (DNA & RNA), PCR, nested PCR, Real-Time PCR etc. I also worked as an **Assistant coordinator** (part-time) at IGNOU (Indira Gandhi National Open University) study center, Kannur. Later worked at the Zoological Survey of India as a **Post-Doctoral Fellow** on the

“Taxonomy of Cymothoids”. From November 2017 to 2022 March, I worked at the Department of Aquatic Biology & fisheries, the University of Kerala, under two different postdoctoral fellowship programs, such as the **UGC-DS Kothari post-doctoral fellowship and PDF in an International Project: “The Deep-Sea Decapod Crustaceans of Indian Seas: Taxonomy and Biogeography”** based on the MOA between University of Kerala, Department of Aquatic Biology and Fisheries and Lee Kong Chian Natural History Museum, National University of Singapore. From April 2022 onwards, I have been working as an **Assistant Professor** in the Graduate School of Integrated Sciences for Life, **Hiroshima University, Japan.**

- The outcome of my research work was published in various reputed international peer-reviewed and impact-factored journals (58 papers) such as Marine Biodiversity (4 papers), International Journal of Parasitology (1), Aquaculture (1), Aquaculture International (1), Marine Biology Research (5 papers), Zoological Studies (6 papers), Zootaxa (5 papers), Systematic Parasitology (4), Journal of Natural History (4), Acta Parasitologica (4 papers), Zookeys (1 paper) etc. Ten papers were published in Proceedings of National/International Symposium/Conference. Published two book chapters, two edited books, and two technical reports. Another 29 papers were published in abstract volumes of the National/International Symposium/Conferences. Apart from this, I have presented five papers in International and nine papers in National symposiums, and he participated in 30 various Workshop/ short training/symposiums/conferences/seminars (pl see my contributions: https://www.researchgate.net/profile/Panakkool_Aneesh2/contributions).
- My research focuses on the occurrence, taxonomy, phylogeny, Moults, and reproduction of parasitic crustaceans infesting marine invertebrate and vertebrate hosts of Tropical waters, especially the Japan sea and the Indian Ocean. We have proposed 1 new family (in press) of parasitic copepods, described 18 new species and five new genera, and redescribed nearly 25 species of isopods/copepods, including eight generic revisions. My present research focuses on *“Taxonomy, Diversity, Distribution, DNA Barcoding and Phylogeny of Isopods and copepods (Arthropoda: Crustacea) parasitizing marine invertebrates and vertebrates of Tropical waters.”*
- **Post Doctoral Fellow (PDF), MoEF & CC, Govt. of India:** From June 2016 to October 2017 I have worked in **Zoological Survey of India**, Head quarters, New Alipore, Kolkata as a **Post Doctoral Fellow (PDF) on the topic Crustacean fauna of India.**
- **UGC-DS KOTHARI-Post-Doctoral Fellow:** For the last one year I have been working on **Molecular taxonomy of Parasitic crustaceans along the Kerala Coast**, in the Department of Aquatic Biology & Fisheries, University of Kerala, Karyavattom under UGC-DS KOTHARI-Post-Doctoral Fellow (UGC-DSK-PDF)

Fellowships awarded.

1. Post-Doctoral Fellowship on **“The Deep-Sea Decapod Crustaceans of Indian Seas: Taxonomy and Biogeography”** based on the MOA between University of Kerala,

Department of Aquatic Biology and Fisheries and Lee Kong Chian Natural History Museum, National University of Singapore

2. **UGC-DS Kothari-Post-Doctoral Fellowship** (UGC DSK-PDF) offered by University Grants Commission, New Delhi.
3. **Post-Doctoral Fellowship** (PDF), offered by Zoological Survey of India (ZSI), Ministry of Environment & Forests, Govt. of India, M Block, New Alipore Kolkata-700 053 (July 2016 onwards).
4. **Received FINANCIAL ASSISTANCE FOR PUBLISHING BOOKS from University of Kerala (AcE4/FA-01/2019-20; dated: 24/12/2020).**
5. **Senior Research Fellowship**, NSPAAD Project, Aquatic Animal Health and Environment Division, **ICAR-Central Institute of Brackishwater Aquaculture (CIBA)**, 75 Santhome High Road, Chennai - 600 028 (03/03/2016 – 01/07/2016).
6. **Junior Research Fellowship**, RKVY Project – Coconut, Kerala Agricultural University, College of Agriculture, Padanekkadu (December 2015) E2/2971/2012.
7. Project fellow - **UGC, Major Research Project** (F. No. 38-218/2009(SR) Dated: 24 Dec. 2009) entitled: “**Studies on growth and reproduction of *Pseudocycnus sp.* a crustacean parasite infecting on fishes of Malabar**” under the principal investigator ship of Dr. Sudha K., Associate Professor, P. G. Dept. of Zoology & Research Centre, Sree Narayana College, Kannur (February 2010 – January 2013).
8. **Junior Research Fellowship**, Kannur University (2009 November).
9. **Best Paper Award**, In *International Webinar on CONSERVATION OF LIFE BELOW WATER: Perspectives on Systematics, Sustainable Livelihoods and Citizen Science (COLIBA-2021)*, Organized by Department of Aquatic Biology and Fisheries, University of Kerala, Thiruvananthapuram, India, during 18th to 20th March 2021, for oral presentation on the topic *Taxonomy and Diversity of Deep-Sea Fish Parasitic Crustaceans off Indian Coast: Status and Knowledge Gaps*

Research Projects:

1. Project Title: *Diversity, Distribution, and Taxonomy of Parasitic crustaceans infesting the marine fishes of Indian water* Duration: From **05/16/2016 to 16/10/2017**.
Funding Agency: MoEF &CC, Zoological Survey of India, Kolkata through Post-Doctoral fellowship program.
2. Project Title: *Diversity, Distribution, DNA Barcoding and Phylogeny of Isopods (Arthropods: Crustacea) parasitizing Commercially valuable marine fishes along the Kerala coast,*
Duration: **01/11/2017 to 31/10/2020**
Funding Agency: University Grants Commission (PI, UGC DSK PDF)
3. Project Title: *Diversity, Distribution, DNA Barcoding and Phylogeny of Isopods and copepods (Arthropods: Crustacea) parasitizing the marine organisms.*
Duration: **April 2022 onwards**
Funding Agency: Annual Research Grant, Hiroshima University.
4,80000 Yen/Year (3 years)

International Collaborators

1. University of Montpellier, Montpellier, France (**Prof. Jean Paul Trillies**)
2. Queensland Museum, Brisbane, **Australia** & Extraordinary Professor, Water Research Group, North-West University, **South Africa (Dr. Niel Bruce)**
3. North West University, South Africa (**Prof. Nico Smit**)
4. North West University, South Africa (**Dr. Kerry Hadifield**)

5. Borneo Marine Research Institute, University Malaysia Sabah, Sabah, Malaysia (**Dr. B. A. Venmathi Maran**)

Taxa Described and redescribed/in press:

Taxa Described and redescribed/in press:

1 new family, 9 new genera (1 in press and 2 under review), 26 new species are described, 25 species redescribed

Recently described new Taxa (Family/ genus/ species)

New Family

1. **Uranoscopicolaidae** Aneesh, Helna, Kumar & Maran, 2023
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1717327>

New genus

1. **Brucethoa** Aneesh, Hadifield, Smit, Kumar 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1486872&from=rss>
2. **Hirodai** Aneesh, Helna, Kumar & Maran, 2023
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1717329>
3. **Glyptothoa** Helna, Aneesh, & Kumar, 2023
4. **Gibbothoa** Aneesh, Hadifield, Smit & Kumar
5. **Sandythoa** Aneesh, Bruce, Helna & Kumar, (2024 in press)
6. **Kokeshioides** Aneesh, Ohtsuka, Kondo & Helna, 2024
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1742446>
7. **Avatar** Aneesh, Ohtsuka, Kondo & Helna, 2024
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1742444>

New species

1. **Anilocra grandmaae** Aneesh, Hadfield, Smit & Kumar 2021
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1501401&from=rss>
2. **Brucethoa baratha** Aneesh, Hadifield, Smit, Kumar 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1486873>
3. **Brucethoa isro** Aneesh, Helna, Kumar, 2024
4. **Elthusa aquabio** Aneesh, Helna, Raj & Kumar, 2023
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1674032>
5. **Elthusa fistularia** Aneesh, Helna, Kumar & Trilles, 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1453571>
6. **Elthusa nemo** Aneesh, Helna, Raj & Kumar, 2023
7. **Elthusa pseudorhombus** Aneesh, Helna, Kumar & Trilles, 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1453572>
8. **Elthusa phoenix** Aneesh, Helna & Ohtsuka, 2024
9. **Elthusa uranoscopus** Aneesh, Helna, Kumar & Trilles, 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1453573>
10. **Glyptothoa sagara** Helna, Aneesh, Kumar & Ohtska, 2023
11. **Joryma malabaricus** Aneesh, Helna & Trilles, 2019
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1349760>
12. **Lobothorax nicosmiti** Aneesh, Bruce & Kumar 2021
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1501424>

13. *Norileca hathai* **Aneesh, Nashad & Kumar 2022**
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1668513>
14. *Renocila bijui* **Aneesh & Bruce, 2020**
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1450868>
15. *Renocila trillesi* **Aneesh & Kumar 2021**
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1575662>
16. *Avatar nishidai* **Aneesh, Ohtsuka, Kondo & Helna, 2024**
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1742445>
17. *Kokeshioides surugaensis* **Aneesh, Ohtsuka, Kondo & Helna, 2024**
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1742447>
18. *Acanthochondria krishnai* **Aneesh, Helna & Kumar, 2020**
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1442656>
19. *Chondracanthus kabatai* **Aneesh, Helna & Kumar, 2020**
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1442661>
20. *Lernaeenicus megalaspis* **Aneesh, Helna, Kumar & Maran 2021**
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1488293>
21. *Nemesis santhadevii* **Maran, Aneesh & Moon 2022**
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1602344>
22. *Hirodai ohtsukai* **Aneesh, Helna, Kumar & Maran, 2023**
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1717331>
23. *Cardiodectes vampire* **Aneesh, Helna, Kumar & Maran, 2023**
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1717467>
24. *Lernaeolophus yoga* **Aneesh, Helna, Kumar & Maran**
25. *Sandithoa tiranga* **Aneesh, Bruce, Helna & Kumar, (2024 in press)**

New combinations

1. *Glyptothoa propinqua* (Richardson, 1904) **comb. nov.**
2. *Glyptothoa myripristae* (Bruce, 1990) **comb. nov.**
3. *Glyptothoa caudata* (Schioedte and Meinert, 1884) **comb. nov.**
4. *Sandythoa arnoglossi* (Trilles and Justine 2006) **comb. nov.**
5. *Sandythoa parabothis* (Trilles and Justine, 2004) **comb. nov.**
6. *Sandythoa samariscii* (Shiino, 1951) **comb. nov.**
7. *Sandythoa moritakii* (Saito and Yamauchi, 2016) **comb. nov.**
8. *Brucethoa alvaradoensis* (Rocha-Ramírez, Chávez-López & Bruce, 2005) **comb. nov.**
9. *Brucethoa epinepheli* (Trilles & Justine, 2010) **comb. nov.**

Membership of Professional/Academic bodies/:

1. Japanese society of systematic zoology, Japan
2. Linz Zoo code Committee
3. World Association of Copepodologist
4. Travancore Nature History Society (TNHS), India
5. SEEK (Society for Environmental Education in Kerala).
6. Indian Science Congress
7. Organizing committee member 15th International Conference On Copepod
<https://icoc15.hiroshima-u.ac.jp/home.html>

Editorial board/subject editor in international peerreviewed journals

1. Assistant editor in [Journal of Aquatic Biology & Fisheries.](#)
2. Subject Editor : Cymothoidae; Siphonostomatoida [Zookeys](#)(Pensoft) IF: 1.55.
3. Subject Editor: Cymothoidae; Poecilostomatoida; Siphonostomatoida; Monstrilloida **Biodiversity Data Journal (Pensoft) IF: 1.25.**

4. Guest Editor in the special volume of the journal **Plankton and Benthos Research** **IF:0.67** <https://icoc15.hiroshima-u.ac.jp/proceedings.html>
5. Review Editor: Frontier in Marine science
6. Frontier in Aquaculture
7. Associate Editor/ Subject Editor in **Innovations in Agriculture (Pensoft)** <https://innovationsagriculture.pensoft.net/editors/>

Reviewer of International Journals (112 reviews as on June 2024)

1. Thalassess An International Journal of Marine Sciences (**Springer**) (15 reviews).
2. Marine Biodiversity (**Springer**) (7 reviews).
3. PeerJ (**PloseOne**) (7 reviews).
4. International Journal of Parasitology, Parasite & Wild life (**Elsevier**) (3 reviews).
5. International Journal of Parasitology (**Elsevier**) (2 reviews).
6. Journal of Parasitic Diseases (**Springer**) (14 reviews).
7. Species Diversity (**Japan**) (4 reviews).
8. Zootaxa (**Magnolia press**) (7 reviews).
9. Zookeys (**Pensoft**) (3 reviews).
10. Zoological Studies (**Springer**) (9 reviews).
11. Indian Journal of Geo-marine Science (4 reviews).
12. Crustacean Research (**Japan**) (3 reviews).
13. Journal of Natural History(**Taylor & Francis**) (3 reviews).
14. Records of Zoological survey of India (3 reviews).
15. Zoology & Ecology (**Taylor & Francis**) (2 reviews).
16. Asian Fisheries Science Journal (2 reviews).
17. Biodiversity Data Journal (**Pensoft**) (1 reviews).
18. Parasitology International (**Elsevier**) (2 reviews).
19. Turkish journal of fisheries and aquatic sciences (2 reviews).
20. Diversity (3 reviews).
21. Marine biology research (**Taylor & Francis**) (1 review).
22. African Journal of Marine Sciences (**Taylor & Francis**) (1 reviews).
23. PlosOne (4 review).
24. Journal of Marine Biological Association of India [MBAI] (1 review).
25. Journal of Marine Biological Association, UK (2 review).

RESEARCH PUBLICATIONS

a. Research Papers published in international peer-reviewed and impact factored Journals

2024

1. **Aneesh PT**, Bruce NL, Helna AK, Kumar AB (**2024 in press**) Description of *Sandythoa* **gen. nov.**, a fish parasitic branchial cymothoids (Crustacea: Isopoda: Cymothoidae) from the Indian Ocean with five species including one new species. *Systematic Parasitology* (**in press**) <https://doi.org/10.1007/s11230-024-10163-2>
2. **Aneesh PT**, Helna AK, Ohtsuka S. (**2024**) *Elthusia phoenix* sp. nov. (Crustacea: Isopoda: Cymothoidae), a branchial fish parasitic isopod, from the Sohachi flounder, *Cleisthenes pinetorum* Jordan and Starks off Sado Island, Japan. *Marine Biology Research* (**Taylor & Francis**). <https://doi.org/10.1080/17451000.2024.2323720>
3. **Aneesh PT**, S Ohtsuka, Kondo Y, Helna AK. (**2024**) Two new genera and species of the parasitic copepod family Chondracanthidae Milne Edwards, 1840 (Copepoda: Cyclopoida) from deep sea fishes off Suruga Bay, Japan. *Acta Parasitologica*, <https://doi.org/10.1007/s11686-024-00820-3>

4. **Aneesh PT**, Helna AK, Kumar AB (2024) A new species of branchial fish parasitic deep-sea isopod, *Brucethoa* Aneesh, Hadfield, Smit & Kumar, 2020 (Isopoda: Cymothoidae) from the Indian Ocean, with the transfer of two *Elthusa* Schioedte & Meinert, 1884 species. *Systematic Parasitology*, **101**, 26, 1-27. <https://doi.org/10.1007/s11230-024-10149-0>
5. Helna AK, **Aneesh PT**, Kumar AB, Ohtsuka S., Maran BAV (2024) Site-specific Parasitism of Crustaceans on the Black Pomfret, *Parastromateus niger* (Carangidae) from Indian Waters. **Thalassess**. <https://doi.org/10.1007/s41208-023-00655-1>
6. Kondo Y, S Ohtsuka, M Nawata, Y Nishida, S Komeda, S Iwasaki, **PT Aneesh** and BAV Maran. (2024) Seasonal habitat shift of adults of *Caligus undulatus* (Copepoda: Siphonostomatoida: Caligidae) from host fish to plankton: one example of the flexibly modified life cycle of sea lice. *Diseases of Aquatic Organisms*. <https://doi.org/10.3354/dao03773>

Article in press/revision

7. Nishida Y, **Aneesh PT**, Kondo Y, I M Iwasaki, H Yamashita, T Shirakashi, K Ogawa, K Wakabayashi & S Ohtsuka: Developmental stages of an invasive, non-indigenous sea louse *Caligus sclerotinosus* Roubal, Armitage and Rhode, 1983 (Copepoda: Siphonostomatoida: Caligidae) parasitizing red sea bream *Pagrus major* (Temminck and Schlegel) from Japan: no intermediate hosts for the parasite. *Zoological Studies, (BRCAS)*.
8. **Aneesh PT**, Helna AK. Taxonomic review of fish parasitic copepod family Chondracanthidae Milne Edwards, 1840 (Copepoda: Cyclopoida) of Indian waters with description of two new genera and five new species
9. **Aneesh PT**, S Ohtsuka., Kondo Y. A new species of *Acanthochondria* Oakley, 1930 (Copepoda: Cyclopoida: Chondracanthidae) from *Chlorophthalmus albatrossis* Jordan and Starks, 1904 off the west Pacific: southern Japan
10. **Aneesh PT**, Helna AK. K. A. Hadfield, NL Bruce, NJ Smit Revision of the fish parasitic branchial cymothoid genus *Agarna* Schioedte and Meinert, 1884 (Crustacea: Isopoda: Cymothoidae) with the description of *Gibbothoa* gen. nov.
11. Fukahori S, Y Kondo, K Wakabayashi, K Tomikawa, **PT Aneesh**, S Ohtsuka. Does grass pufferfish migrate upstream in rivers to eliminate ectoparasitic copepods?: likely natural freshwater bathing.
12. Kondo Y, S Ohtsuka, A Jackson, T Ananthan, BAV Maran, **PT Aneesh**, K Tomikawa (2024) The discovery of the male of *Caligus grandiabdominalis* Yamaguti, 1954 (Copepoda: Caligidae) parasitic on redbelly yellowtail fusilier *Caesio cuning* (Bloch, 1791) from Sabah, Malaysia with the redescription of the female of this species.

2023

13. **Aneesh PT**, Helna AK, Raj S, Kumar AB, (2023) Description of *Elthusa aquabio* sp. nov. (Crustacea: Isopoda: Cymothoidae), a branchial fish parasitic isopod from Indian waters. *Journal of Natural History*. 57(21-24): 1193- 1205. <https://doi.org/10.1080/00222933.2023.2242099>
14. Fujita H, **Aneesh PT**, K Kawai, S Kitamura, M Shimomura, T Umino, S Ohtsuka (2023). Redescription and molecular characterization of *Mothocya parvostis* Bruce, 1986 (Crustacea: Isopoda: Cymothoidae) parasitic on Japanese halfbeak, *Hyporhamphus sajori* (Temminck & Schlegel, 1846) (Hemiramphidae) with *Mothocya sajori* Bruce, 1986 placed into synonymy. *Zootaxa* 5277 (2): 259–286 <https://doi.org/10.11646/zootaxa.5277.2.2>

15. Helna AK, **Aneesh PT**, Kumar AB, Ohtsuka S. (2023) Morphological Description and Molecular Characterisation of *Glyptochoa* gen. nov., a Fish Parasitic Deep-sea Cymothoid (Crustacea: Isopoda) from the Indian Ocean, with four species, including one new species. *Zoological Studies(BRCAS)* **62**: (51)1–31. <https://doi.org/10.6620/ZS.2023.62-51>
16. **Aneesh PT**, Helna AK, Kumar AB, Maran BAV (2023). Proposal of a new family for *Hirodai ohtsukai* gen. et sp. nov. (Crustacea: Copepoda) infesting *Uranoscopus guttatus* Cuvier, 1829 (Perciformes: Uranoscopidae) from the southwest coast of India. *Journal of Natural History (Taylor & Francis)* 57:33-36, 1495-1515 <https://doi.org/10.1080/00222933.2023.2259556>.
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80. **Aneesh PT, et** Ohtsuka (2023) Redescription and molecular characterization of *Mothocya parvostis* Bruce, 1986 (Crustacea: Isopoda: Cymothoidae) parasitic on Japanese halfbeak, *Hyporhamphus sajori* (Temminck & Schlegel, 1846) (Hemiramphidae) with *Mothocya sajori* Bruce, 1986 placed into synonymy” *In: the 58th Annual Meeting Program of Japanese Society for Systematic Zoology (JSSZ) on June 3-4, 2023 at Togayashi Museum, Nagoya, Japan.*
81. **Aneesh PT**, 2022. SDGs in tropical waters: an overview in the perspective of deep-sea fish parasitic crustaceans - status and knowledge gaps. *In: International Symposium on the UN's Sustainable Development Goals on September 15, 2022 at School of Applied Biological Science, Hiroshima University, Japan.*
82. **Aneesh PT**, AK Helna, A Bijukumar, B AV Maran, S Ohtsuka. 2022. Tropical fish parasitic crustaceans: parasitic adaptations and emerging paradigms in research. *In Virtual International Conference on Marine Science and Aquaculture (vICOMSA) 2022, 08-10 March 2022, Borneo Marine Research Institute, University of Malaysia Sabah, P. 157.*

83. Helna, AK, **PT Aneesh**, A Bijukumar, B AV Maran, S Ohtsuka. **2022**. A taxonomic review of the copepod family Chondracanthidae Milne Edwards, 1840(Copepoda: Poecilostomatoida) parasitizing the marine fishes from Indian waters. *In* Virtual International Conference on Marine Science and Aquaculture (vICOMSA) 2022, 08-10 March 2022, Borneo Marine Research Institute, University of Malaysia Sabah, P. 158.
84. Maran B AV, **PT Aneesh**, SY Moon. **2022**. A new species of parasitic copepod *Nemesis* RISSO, 1826 (Siphonostomatoida: Eudactylinidae) from the gills of coralcat shark *Atelomycterus marmoratus* (Anonymous [Bennett], 1830) from Malaysia. *In* Virtual International Conference on Marine Science and Aquaculture (vICOMSA) 2022, 08-10 March 2022, Borneo Marine Research Institute, University of Malaysia Sabah, P. 231.
85. Kondo Y, S Komeda , S Ohtsuka, **PT Aneesh**, T Manh Ha, P T Thu, S Toshino, A Iida, and JNishikawa (2022). An account on all copepodid stages of *Paramacrochiron tridentatum* Ohtsuka, Ha & Thu 2020 (Copepoda: Cyclopoida: Macrochironidae) associated with the rhizostome jellyfish *Versurigaana dyoneme* with notes on its affinity to lichomolgoid complex. *In* e-Abstract booklet of 14th International Conference on Copepoda, 25 - 30 July 2022, South Africa, p 117.
86. **Aneesh P.T.**, and A. Biju Kumar (**2021**) Taxonomy and Diversity of Deep-Sea Fish Parasitic Crustaceans off Indian Coast: Status and Knowledge Gaps, *In* *International Webinar on CONSERVATION OF LIFE BELOW WATER: Perspectives on Systematics, Sustainable Livelihoods and Citizen Science* (COLIBA-2021), *Organized by* Department of Aquatic Biology and Fisheries, University of Kerala, Thiruvananthapuram, India, during 18th to 20th March 2021,P 7.
87. Helna A.K., **P.T. Aneesh**, and K. Sudha (**2021**) An Unusual Mode of Moulting and Characterisation of Moulting Stages in a Parasitic Cymothoid *Norileca Indica* (H. Milne Edwards, 1840) (Crustacea: Isopoda),*in* *International Webinar on CONSERVATION OF LIFE BELOW WATER: Perspectives on Systematics, Sustainable Livelihoods and Citizen Science* (COLIBA-2021), *Organized by* Department of Aquatic Biology and Fisheries, University of Kerala, Thiruvananthapuram, India, during 18th to 20th March 2021, p 44.
88. **Aneesh, P.T.**, Helna, A. K., Sudha Kappalli and Anilkumar G. **2015**. Prevalence and host specific occurrence of *Mothocya renardi* (Crustacea, Isopoda, Cymothoidae) parasitizing the belonid fish *Strongylura leiura* from the Malabar coast (Kerala, India). *In*: Joint Mid-Year Meeting of The Crustacean Society and International Association of Astacology, The Crustacean Society, Australian Museum, Sydney 19-23 July 2015.
89. Helna, A. K., **Aneesh, P.T.**, Sudha Kappalli and Anilkumar G. **2015**. Occurrence and adaptations of a pseudocycnid parasite *Cybicola armata* (Crustacea, Copepoda) parasitizing the commercially exploited fish *Scomberomorus commerson* (Scombridae) along the Malabar Coast, India. *In*: Joint Mid-Year Meeting of The Crustacean Society and International Association of Astacology, The Crustacean Society, Australian Museum, Sydney 19-23 July 2015.
90. **Aneesh, P.T.**, Helna, A. K. and Sudha Kappalli. 2013. Infestation by Lernaepodid (Copepoda, Siphonostomatoida) parasites on edible marine fishes along the Malabar Coast. *In*: International Conference on Ecosystem Conservation, Climate Change and Sustainable Development (ECOCASD 2013) 3-5 October 2013. *Organized by* Department of Aquatic Biology & Fisheries, University of

Kerala, Thiruvananthapuram, India and Directorate of Environment & Climate Change, Govt. of Kerala. P- 386

91. Helna A. K., **Aneesh, P.T.** and Sudha Kappalli. 2013. Lernathropid infestation on commercially exploited marine fishes along the Malabar Coast. *In: International Conference on Ecosystem Conservation, Climate Change and Sustainable Development (ECOCASD 2013) 3-5 October 2013. Organized by Department of Aquatic Biology & Fisheries, University of Kerala, Thiruvananthapuram, India and Directorate of Environment & Climate Change, Govt. of Kerala. P- 389.*
92. **Aneesh P.T.**, Sudha Kappalli, Helna A Kottarathil, Arshad Keethadath, Anilkumar Gopinathan and Jean-Paul Trilles. (2013) Occurrence of Multiple Parasitic Crustacean infestation on banded needlefish from the Malabar Coast, India. Summer Meeting of The Crustacean Society (TCS) jointly organized with the Latin American Association of Carcinology (ALCARCINUS) held at San-Jose, Costa Rica during 07-11 July 2013.
93. Arshad Keethadath., Sudha K., **Aneesh P. T.**, Helna A. K., Anilkumar G (2011). DNA fragmentation in irradiated tissues-a comet assay study. International Symposium on Environmental Risk Assessment 2011. 17-19 Oct2011, Bharathiar University,India.
94. **Aneesh P.T.**, Sudha, K., Arshad Keethadath, Helna A. K., G. Anilkumar, and Jean-Paul Trilles. 2011. First host record, *Strongylura strongylura* (Belonidae) for a parasitic cymothoid, *Cymothoa frontalis* Milne Edward, 1840 from the Malabar Coast of India. In International Symposium on Environmental Risk Assessment 2011. Bharathiar University, 17-19 Oct. 2011.
95. Helna A. K., **Aneesh P. T.**, Arshad Keethadath., Sudha K., and Anilkumar G. 2011. Reproductive system of *Pseudocycnus armatus*, a parasitic copepod infesting the seerfish, *Scomberomorus guttatus*. In International Symposium on Environmental Risk Assessment 2011. Bharathiar University, 17-19 Oct. 2011.
96. Sudha Kappalli., **Aneesh P.T.**, Helna A. K., Arshad K., Anilkumar. A Host specific parasitic copepod *Pseudocycnus armatus* infesting Spotted seer fish distributed along the Malabar Coast. In 8th symposium on Diseases in Asian aquaculture being held at Mangalore on 21-25 Nov. 2011.
97. Kappalli, S., **Aneesh, P.T.**, Keethadath, A. & Gopinathan, A. Studies on a Parasitic Copepod infesting edible seer fish population (*Scomberomorus guttatus*) of Malabar (Kerala, India). In VIII International Symposium of Fish Parasites hold at Vina del Mar, Chili during 26-30 September 2011.

ii. National

98. **Aneesh P. T.** & A.B. Kumar (2020) A taxonomic review of the branchial cymothoid genus *Joryma* Bowman & Tareen 1983 (Crustacea: Isopoda: Cymothoidae) parasitizing the marine fishes from Indian Waters ” In *Annual National Conference on Sustainable Ecosystem, Aquaculture, Fisheries and Fisherfolk* Organized by Dept. of Aquatic Biology & Fisheries, University of Kerala, Thiruvananthapuram, held during 9th & 10th January 2020.
99. **Aneesh P. T.**, Helna A. K, Sudha K. (2015). Seasonal fluctuation in the prevalence of cymothoids belongs to the genus *Nerocila* (Crustacea; Isopoda), parasitizing Indian edible marine fishes from the Malabar Coast. In the abstract volume of National Conference on Recent Advances in Animal Sciences, Dept. of Zoology, Mangalore University, during 13-15 February 2015, p - 96.
100. **Aneesh P.T.**, Helna A.K., Sudha K. (2015). Host-parasite interaction of *Cymothoa frontalis* (Crustacea, Isopoda, Cymothoidae), parasitizing the belonid fish,

- Strongylura strongylura* from the Malabar coast (Kerala, India). In the abstract volume of National Conference on Recent Advances in Animal Sciences, Dept. of Zoology, Mangalore University, during 13-15 February 2015, p – 98
101. Helna A.K. **Aneesh P.T.**, Sudha K.(2015). Occurrence of Multiple Parasitic crustacean infestation on belonid fish *Strongylura strongylura*. In the abstract volume of National Conference on Recent Advances in Animal Sciences, Dept. of Zoology, Mangalore University, during 13-15 February 2015, p - 97.
 102. Helna A. K., Sudha K., **Aneesh P. T.**, and Anilkumar G. 2013. Parasitic crustaceans – host specific parasitization in Scombridaen fishes of Malabar Coast. *In* Biological conference 2013, University of Calicut, March 11-13, 2013. P- 37-38.
 103. Arshad K., Sudha K., **Aneesh P. T.**, Helna A. K., · Anilkumar G. 2013. Effect of Dose-dependent electron beam irradiation and cold storage on the nutrient value of the crab meat. *In* Biological conference 2013, University of Calicut, March 11-13, 2013. P- 36-37.
 104. **Aneesh P.T.**, Sudha, K., A. Keethadath, Helna A. K , G. Anilkumar, Jean-Paul Trilles. 2011. *Mothocya renardi* (Bleeker,1857), a parasitic cymothoid Parasitizing the Banded needlefish, *Strongylura leiura* (Belonidae) from the Malabar Coast, India. In 9th Indian Fisheries Forum hold at Chennai on 19-23 Dec. 2011.
 105. **Aneesh P.T**, K. Sudha, Arshad K., G. Anilkumar, J.P.Trilles (2011) Studies on the occurrence of *Norileca indica* (Milne Edwards), a parasitic cymothoid, parasitizing the Indian mackerel, *Rastrelliger kanagurta* (Scomberidae) from the Malabar coast of Kerala. Abstract volume of National conference on emerging trends in Biological research, Chennai
 106. **Aneesh P.T**, K. Sudha, Arshad K., G. Anilkumar, Jean Paul Trilles (2011) Parasitic isopod belonging to the genus *Nerocila* parasitizing edible marine fishes from the Malabar coast, India, Proceedings of 23rd Kerala Science Congress, Thiruvananthapuram.
 107. **Aneesh P.T**, K. Sudha, Arshad K., G. Anilkumar, Jean Paul Trilles (2010) Parasitic isopod parasitizing edible marine fishes from Malabar coast, India Proceedings of 20th Swedeshi Science Congress, CMFRI, Kochi.

Paper presented/delivered invited talk in National / International symposia

b. Invited talk

1. Delivered an invited lecture on a paper a paper entitled “**Morphological Description and Molecular Characterisation of *Glyptothoa* gen. nov., a Fish Parasitic Deep-sea Cymothoid (Crustacea: Isopoda) from the Indian Ocean, with four species, including one new species**” *In*: plenary section of the 59th Annual Meeting Program of *Japanese Society for Systematic Zoology (JSSZ)* on June 14-15, 2023 at Tottori Museum, Tottori, Japan.
2. Delivered an invited lecture on “**Parasitic Crustaceans: An overview in the Perspective of Taxonomy, Diversity & Adaptations**” Taxocon 2024, organized by TNHS, Trivandrum during 26-28 Jan 2024
3. Delivered an invited lecture on “**Parasitic Crustaceans: An integral part of Tropical Marine Biodiversity**” as part of **National Science Day Celebration at MSM College Kayamkulam**, on 29th Jan 2024.
4. **Scientific Interaction with young minds** at Department of Aquatic Biology & Fisheries, University of Kerala, Trivandrum, India on 30th Jan 2024
5. Delivered a lecture on “**Redescription and molecular characterization of *Mothocya parvostis* Bruce, 1986 (Crustacea: Isopoda: Cymothoidae) parasitic on**

Japanese halfbeak, *Hyporhamphus sajori* (Temminck & Schlegel, 1846) (Hemiramphidae) with *Mothocya sajori* Bruce, 1986 placed into synonymy” In: the 58th Annual Meeting Program of *Japanese Society for Systematic Zoology (JSSZ)* on June 3-4, 2023 at Togayashi Museum, Nagoya, Japan.

6. Delivered a lecture on **“SDGs in tropical waters: an overview in the perspective of deep-sea fish parasitic crustaceans - status and knowledge gaps”**In: International Symposium on the UN's Sustainable Development Goals on September 15, 2022 at School of Applied Biological Science, Hiroshima University, Japan.
7. Delivered a lecture on **“Tropical fish parasitic crustaceans: an overview in perspective of diversity and parasitic adaptation”** in the National Seminar on *Marine Benthos and Fish Parasitology* during 12th and 13th August 2022 at **St. Stephen’s college**, Pathanapuram.
8. Delivered a lecture on **“Parasitic Crustaceans Infesting the Marine Fishes From Indian Waters: Taxonomy, Physiology of Growth and Reproduction, Host-Parasite interaction”** in the Publication Day meeting of Water Research Group (WRG), North West University: Potchefastroom, 2520, South Africa on 1st February 2019.

c. Presented -International

1. A paper a paper entitled **“Two new genera and species of the parasitic copepod family Chondracanthidae Milne Edwards, 1840 (Copepoda: Cyclopoida) from deep-sea fishes off Suruga Bay, Japan”**. In: 15th ICOC, Hiroshima, Japan, 2-7 June 2024.
2. A paper a paper entitled **“Tropical fish parasitic crustaceans: parasitic adaptations and emerging paradigms in research”** In Virtual International Conference on Marine Science and Aquaculture (vICOMSA) 2022, 08-10 March 2022, Borneo Marine Research Institute, University of Malaysia Sabah.
3. A paper a paper entitled **“Taxonomy and Diversity of Deep-Sea Fish Parasitic Crustaceans off Indian Coast: Status and Knowledge Gaps”** In *International Webinar on CONSERVATION OF LIFE BELOW WATER: Perspectives on Systematics, Sustainable Livelihoods and Citizen Science (COLIBA-2021)*, Organized by Department of Aquatic Biology and Fisheries, University of Kerala, Thiruvananthapuram, India, during 18th to 20th March 2021.
4. A paper a paper entitled **“Prevalence and host specific occurrence of *Mothocya renardi* (Crustacea, Isopoda, Cymothoidae) parasitizing the belonid fish *Strongylura leiura* from the Malabar coast (Kerala, India)”**. In Joint Mid-Year Meeting of The Crustacean Society and International Association of Astacology, The Crustacean Society being held at Australian Museum, Sydney 19-23 July 2015.
5. Presented a paper entitled **“Infestation by Lernaepodid (Copepoda, Siphonostomatoida) parasites on edible marine fishes along the Malabar Coast”**. In: International Conference on Ecosystem Conservation, Climate Change and Sustainable Development (ECOCASD 2013) 3-5 October 2013. Organized by Department of Aquatic Biology & Fisheries, University of Kerala, Thiruvananthapuram, India and Directorate of Environment & Climate Change, Govt. of Kerala.
6. Presented a paper entitled **“First host record, *Strongylura strongylura* (Belonidae) for a parasitic cymothoid, *Cymothoa frontalis* Milne Edward,1840 from the Malabar Coast of India”** in an International Symposium on Environmental Risk Assessment 2011. Bharathiar University. 17-19 Oct. 2011.

d. National

7. Presented a paper entitled “A taxonomic review of the branchial cymothoid genus *Joryma* Bowman & Tareen 1983 (Crustacea: Isopoda: Cymothoidae) parasitizing the marine fishes from Indian Waters” In *Annual National Conference on Sustainable Ecosystem, Aquaculture, Fisheries and Fisherfolk* Organized by Dept. of Aquatic Biology & Fisheries, University of Kerala, Thiruvananthapuram, held during 9th & 10th January 2020.
8. Presented a paper entitled “Host-parasite interaction of *Cymothoa frontalis* (Crustacea, Isopoda, Cymothoidae), parasitizing the belonid fish, *Strongylura strongylura* from the Malabar coast (Kerala, India)”. In National Conference on Recent Advances in Animal Sciences, Dept. of Zoology, Mangalore University, during 13-15 February 2015, p – 98
9. Presented a paper entitled. **Infestation of Parasitic copepods on Black Pomfret, *Parastromateus niger* (Carangidae) from the Malabar Coast, India.** In National Conference on Aquatic Animal Health and Management M-2012, 14-15Sept. 2012.
10. Presented a paper entitled ***Mothocya renardi* (Bleeker,1857), a parasitic cymothoid Parasitizing the Banded needlefish, *Strongylura leiura* (Belonidae) from the Malabar Coast, India.** In 9th Indian Fisheries Forum hold at Chennai. 19-23 Dec. 2011.
11. Presented a paper entitled **Studies on the occurrence of *Norileca indica* (Milne Edwards), a parasitic cymothoid, parasitizing the Indian mackerel, *Rastrelliger kanagaruta* (Scomberidae) from the Malabar Coast of Kerala** in National conference on emerging trends in Biological research, University of Madras, Chennai.
12. Presented a paper entitled **Diversity of Parasitic copepods infesting the Fishes of Malabar.** In National seminar on Faunal Diversity of Kerala. 23-24 march 2012.
13. Presented a paper entitled **Parasitic isopod belonging to the genus *Nerocila* parasitizing edible marine fishes from the Malabar coast, India,** in 23rd Kerala Science Congress, Thiruvananthapuram.
14. Presented a paper entitled **Parasitic isopod parasitizing edible marine fishes from Malabar coast, India** in 20th Swedeshi Science Congress, CMFRI, Kochi.

Workshop/ short training/symposia/conferences/seminars Participated

1. **25th International Conference on Physical Organic Chemistry**, Hiroshima City Bunka Koryu Kaikan, Hiroshima, Japan, July 10-15, 2022.
2. Talk on **Parasite and diseases of Fishes**, organized by Association of fisheries graduation on 23rd October 2021.
3. Webinar on ***Firefly, Ecology & Environment*** organized by Environmental Management & Policy Research Institute, Bengaluru, India on 22nd July 2022.
4. National workshop on ***Integrative Taxonomy of Freshwater Fishes.*** Kerala University of Fisheries and Ocean Studies, Panangad, Kochi. 1st to 4th Dec. 2015.
5. National Conference on ***Recent Advances in Animal Sciences***, Dept. of Zoology, Mangalore University, during 13-15 February 2015.
6. **27th Kerala Science Congress**, Alapuzha, Jan 27-29 2015.
7. Participated in two days ***Orientation programme for academic councilors***, IGNOU Regional Center, Vatakara, during 13-14, Aug. 2014.
8. Played a commendable role as a member for organizing UGC sponsored ‘***Seminar on Technological Advances in Modern Biology***’ organized by Post Graduate Dept. of Zoology & Research Centre, Sree Narayana College, Kannur during 2014, March 13-14.

9. Played a commendable role as a member for organizing ***INSPIRE Internship Science Camp*** launched by ***Department of Science and Technology***, Government of India at Sree Narayana College, Kannur, Kerala, India during December 23-28, **2013**.
10. Participated in the “***Science Academies’ Lecture Workshop on Cell Differentiation in the Context of Cancer and Stem Cell Biology***” from 8th & 9th October 2013. Sponsored by IAS, INSA & NAS. Organized by Chinmaya Arts & Science College for women, Chala, Kannur.
11. International Conference on Ecosystem Conservation, Climate Change and Sustainable Development (ECOCASD 2013) 3-5 October 2013. *Organized by* Department of Aquatic Biology & Fisheries, University of Kerala, Thiruvananthapuram, India and Directorate of Environment & Climate Change, Govt. of Kerala.
12. Played a commendable role as a member for organizing ***INSPIRE Internship Science Camp***, launched by ***Department of Science and Technology***, Government of India at Sree Narayana College, Kannur, Kerala, India during December 23-28, **2012**.
13. National Conference on Aquatic Animal Health and Management M-2012, organized by CAS in Marine Biology, Annamalai University. 14-15 September 2012.
14. National seminar on Faunal Diversity of Kerala. Organized by Department of Zoology PRNSS College, Mattanur, 23-24 march 2012.
15. **9th Indian Fisheries Forum** hold at Chennai. 19-23 Dec. 2011.
16. **8th symposiums on Diseases in Asian aquaculture** hold at Mangalore on 21-25 Nov. 2011.
17. International Symposium on Environmental Risk Assessment 2011. Bharathiar University. 17-19 Oct. 2011.
18. Played a commendable role as a member for organizing ***INSPIRE Internship Science Camp*** launched by ***Department of Science and Technology***, Government of India at Sree Narayana College, Kannur, Kerala, India during May 21-26, **2011**.
19. Played a commendable role as a member for organizing Inspire Internship Science Camp launched by Department of Science and Technology, Government of India at Sree Narayana College, Kannur, Kerala, India during May 21-26, 2011.
20. **23rd Kerala Science Congress**, Thiruvananthapuram Feb 2011.
21. Participated in the “**Short Term Course for Research Methodology in Science** from 16/08/2010-19/08/2010. Sponsored by UGC and Academic Staff College, Kannur University
22. **20th Swadeshi Science Congress**, CMFRI, Kochi
23. Seminar on “**Human Genome Study: Impacts and Implications**” held on 05/06/2010. Organized by Dept. of Molecular Biology, Dr. P.K. Rajan memorial campus , Nileshwaram.
24. National Symposium on “**Recent Immunological Advancement in HIV & Opportunistic Infections**” “ Organized by Annamalai University ,Chidambaram, T.N. Sponsored by **DBT & CSIR New Delhi** During 24th -25th March 2007
25. National Seminar on “**Bioinformatics & Computational Biology** “Organized by Annamalai University, Chidambaram, T.N. Sponsored by DBT & CSIR New Delhi, during 21th-22th March 2007.
26. Participated in National Seminar on Trends Problems and Prospects of Industries in India under the Agenda of reforms. Sree Narayana College Kannur, March 2010.

27. Participated in the 'Nature Education Camp' organized by Kerala Forest & Wild Life Department at Chinnar Wild Life Sanctuary .from 18/01/05 to 20/01/05.
28. Participated in National conference on emerging trends in Biological research, Dept. of Zoology, University of Madras, Chennai. March 2011. March 2011.

Training Obtained:

1. Training obtained from North west University, South Africa – 1 month on molecular and classical taxonomy.
2. “*International Workshop on Modern Techniques for Molecular and Morphological Characterization of Crustaceans*” held on 25 June – 6 July– reg (two weeks).
3. Hands on training programme on ‘*Molecular Techniques for Identification of Crustaceans*’ held at RGCA, Sirkali, TN
4. Training Workshop on ‘*Modern Approaches in Biodiversity Studies*’ held at Zoological Survey of India, Kolkata
5. National level Training workshop on *Integrative Taxonomy of Freshwater Fishes*. Kerala University of Fisheries and Ocean Studies, Panangad, Kochi. 1st to 4th Dec. 2015.
6. *Orientation programme for academic councilors*, IGNOU Regional Center, Vatakara, during 13-14, Aug. 2014.
7. *Science Academies’ Lecture Workshop on Cell Differentiation in the Context of Cancer and Stem Cell Biology* from 8th & 9th October 2013. Sponsored by IAS, INSA & NAS. Organized by Chinmaya Arts & Science College for women, Chala, Kannur
8. **Short Term Course for Research Methodology in Science** from 16/08/2010-19/08/2010. Sponsored by UGC and Academic Staff College, Kannur University.

Details of Practical Experience in Biological Techniques:

a. From Sree Narayana College, Kannur (Kannur University)

1. Microtomy
2. Histology and Histochemistry
3. Biochemical methods for quantitation of protein, Lipid and carbohydrates.
4. Microscopy: Simple, Compound, Stereo and Fluorescent Microscopy.
5. Electrophoresis and Chromatography.
5. Statistics : Statistical Test like ANOVA, t-test, z-test, Tukey’s test etc. using software such as Graphpad, R-Studio and MS Excel and interpretation of results.
6. Zoology : Taxonomy of metazoan groups such as Insects, Parasitic Crustaceans infesting the fishes, free living Crustaceans (Crabs, Shrimps, etc), Marine, estuarine and freshwater fishes.
7. Botany : Taxonomic identification of Medicinal plants and other herbs, shrubs and tree species of Kerala

b. From NIMHANS Bangalore

1. Electron Microscopy - Sample processing and ultra-microtomy for Transmission Electron Microscopy

e. From ICAR-Central Institute of Brackishwater Aquaculture (CIBA), Chennai

1. Molecular Biology: Extraction of Nucleic acids (DNA & RNA), PCR, nested PCR, RT-PCR, Colony PCR, Quantification of Nucleic acids, Purification of DNA.
 2. Electrophoresis.
 3. Gel documentation and Gel elution.
 4. Detection of bacterial, Viral and Parasitic diseases in cultural systems by PCR method.
 5. Extraction of Nucleic acids from Soil samples.
 6. Histopathology
 7. Microbiology
- f. From Zoological Survey of India, Kolkatta**
- a. Electron Microscopy – Scanning Electron Microscopy
 - b. Microscopy – Multi focusing microscopes
 - c. Taxonomy _ DELTA
 - d. Taxonomic illustrations and Digital inking
- g. from North west University, South Africa**
- a. Taxonomy _ DELTA
 - b. Taxonomic illustrations and Digital inking
 - c. Molecular taxonomy of parasitic cymothoids
- h. Computer Proficiency:** MS Office, Statistical Tools (R-Studio, Graphpad), Photoshop, Coral-draw, Adobe Illustrator etc.
- i. Micro/macro photography**
- j. From Hiroshima University:** Electron Microscopy SEM

Teaching/Research/Administrative experiences

	<u>Experience</u>		<u>Position held</u>	<u>Institute</u>	<u>Period</u>	<u>Total</u>
1	International Teaching & Research		Assistant Professor	Graduate School of Integrated Sciences for Life, Hiroshima University, 5-8-1 Minato-machi, Takehara, Hiroshima, 725-0024, Japan.	01/04/2022 onwards	
2	Research	Post - Doctoral level	Post-Doctoral Fellow	International Project: “ <i>The Deep-Sea Decapod Crustaceans of Indian Seas: Taxonomy and Biogeography</i> ” based on the MOA between Lee Kong Chian Natural History Museum, National University of Singapore and Department of Aquatic Biology & Fisheries, University of Kerala, Karyavattom, Thiruvananthapuram-695 581, Kerala, India	01/11/2020 31/03/2022	1 year 5 months
			UGC-DS Kothari Post-Doctoral Fellow	Department of Aquatic Biology & Fisheries University of Kerala, Karyavattom Thiruvananthapuram-695 581, Kerala, India	01/11/2017 31/10/2020	3, years,
			Invited Fellow	Water Research Group, North west University, Poachfastroom	22/01/2019 To	1 month

				Campus, South Africa	25/02/2019	
			Post-Doctoral Fellow (MoEF & CC, Govt of India)	Zoological Survey of India (ZSI) Ministry of Environment & Forests Govt. of India M Block, New Alipore Kolkata	05/07/2016 to 16/10/2017	1 year, 3 months, 11 days
			Senior Research Fellow	ICAR-Central Institute of Brackishwater Aquaculture (CIBA), Chennai	03/03/2016 to 30/06/2016	4 months
			Researcher (Post PhD)	Sree Narayana College, Kannur, Kerala	23/10/2014 to 26/02/2016	1 year & 4 months
		Doctoral level	Research Scholar	Sree Narayana College, Kannur, Kerala	19/11/2009 to 21/10/2014	4 years & 11 months
3	Teaching	<i>PG & UG level</i>	Guest Lecturer	Sree Narayana College, Kannur	14/07/2014 to 31/03/2015	1 Academic year
		<i>UG level</i>	Guest Lecturer	Nehru Arts & Science College, Kanhangad	30/07/2015 to 27/11/2015	4 months
		<i>Higher Secondary level</i>	HSST Junior	GHSS Paivalike Nagar, Kasaragod	28/07/2008 to 27/02/2009	1 Academic year
			HSST Junior	GHSS Bellur, Kasaragod	14/08/2008 to 27/02/2009	
			HSST Junior	GHSS Mulleria, Kasaragod	10/11/2008 to 28/02/2009	
			HSST Senior	ST. Joseph's HSSS Cherupuzhia, Kannur	01/06/2009 to 13/11/2009	6 months
			HSST Senior	GHSS Maloth Kasaba, Kasaragod	01/06/2014 to 11/07/2014	2 months
		<i>High School level</i>	HST	GHSS Mathamangalam, Kannur	18/06/2008 to 25/07/2008	2 months
4	Administrative	Assistant Co-ordinator		IGNOU, Study Centre , 1405 – Sree Narayana College, Kannur	5 th November 2012 – 28 th Feb. 2016	3 year & 3 Months

Extracurricular activities

1. NCC - "A", "B", & "C" Certificates holder. Served in NCC for Six years and attending 14 camps (1997-1999 in JD & 2002-2005 in SD).
2. Served in NSS as an active volunteer during P. G. Course in University Campus, Annamalai University, Chidambaram (2005-207).
3. **Sports – Individual Champion** (Kannur University Dept. of Teacher Education Mananthavady, Annual Sports meet -2008).

4. College Union Leadership (**General Secretary**, Kannur University Dept. of Teacher Education – Mananthavady, 2007-08).
5. Played a commendable role as a member for organizing **INSPIRE Internship Science Camp** launched by **Department of Science and Technology**, Government of India at Sree Narayana College, Kannur, Kerala, India for four consecutive years (2011 May, 2012 December, 2013 December and 2014 December).
6. Played a commendable role as a member for organizing UGC sponsored '**Seminar on Technological Advances in Modern Biology**' organized by Post Graduate Dept. of Zoology & Research Centre, Sree Narayana College, Kannur during 2014, March 13-14.
7. **Supervised 5 Master and 13 undergraduate students for their dissertation.**

I do hereby declare that all the above statements made are true and correct to the best of my knowledge and believe.

Place: Hiroshima, Japan

Date: 22/06/2024

Sincerely yours,



(ANEESH P. T.)

References

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