

Curriculum Vitae

Panakkool Thamban ANEESH

Post-Doctoral Fellow

Department of Aquatic Biology & Fisheries

University of Kerala, Karyavattom

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<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	 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=vzSDXQsAAAAJ&hl=en	 https://www.researchgate.net/profile/Panakkool_Aneesh2	Linz Zoocode Committee
 https://zookeys.pensoft.net/editors/ Subject Editor (Taxonomy & Systematics)	 https://bdj.pensoft.net/editors/ Subject Editor (Taxonomy & Systematics)	 http://keralamarinelife.in/EditorialBoard.html Assistant Editor

1. Personal Details

Date of birth : 16th May, 1985

Sex : Male

Marital status : Married

Permanent Address: Adukkadan Thazhil Veetil,
Thayyeni (P. O.) Kasaragod Dist -670511, Kerala, India.
Telephone: (Home) (+91) 4985 - 213716
(Mob) (+91) 8547513716; (+91) 9020237700
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

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. Water Research Group, North west University, Poachfastroom Campus, South Africa as an Invited Fellow

Duration: 1 month,

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

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.

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 taxonomy, growth and reproduction of parasitic crustaceans infesting the marine fishes of Indian waters. I have started my doctoral research in 2009 on the topic “Studies on Parasitic Crustaceans Infesting the Fishes of Malabar Coast”. I have been awarded PhD degree in 2014 from Kannur University, Kerala, India. In the mean time, I have learned the basics of crustacean taxonomy by reading taxonomic papers, books and through the interaction with several renowned taxonomists world over.

After my doctoral programme I have worked at Sree Narayana College, Kannur and Nehru Arts & Science College, Kanganad, Kerala as a **guest lecturer**; ICAR-Central Institute of Brackishwater Aquaculture (CIBA), Chennai as **Senior Research Fellow** on EHP, a microsporidean 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 was also worked as an **Assistant co-ordinator** (part-time) in IGNOU (Indira Gandhi National Open University) study centre, Kannur. Most recently at the Zoological Survey of India as a **Post-Doctoral Fellow** on the “Taxonomy of Cymothoids”. I have joined the Department of Aquatic Biology & fisheries, University of Kerala in November 2017 as **UGC-DS Kothari post-doctoral fellow**.

The outcome of my research work was published in various reputed international peer reviewed and impact factored journals (36 papers) such as Marine Biodiversity (4 papers), International Journal of Parasitology (1), Aquaculture (1), Aquaculture International (1), Marine Biology Research (4 papers), Zoological Studies (4 papers), Zootaxa (3 papers), Systematic Parasitology, Acta Parasitologica (2 papers), Zookeys (1 paper) etc. Seven papers were published in Proceedings of National/International Symposium/Conference. Published two book chapters, two edited books and two technical reports. Another 19 papers were published in abstract volume of National/International Symposium/Conferences. Apart from this I have presented 3 papers in International and 9 papers in National symposium and he participated 25 various Workshop/ short training/symposium/conferences/seminars (pl see my contributions : https://www.researchgate.net/profile/Panakkool_Aneesh2/contributions).

My research continues to focus on the occurrence, taxonomy, phylogeny, Moults and reproduction of parasitic crustaceans infesting on marine invertebrate and vertebrate hosts of Indian waters. I have described 18 new species, 2 new genera and redescribed nearly 25 species of isopods/copepods, including eight generic revision. My present research focuses on “***Taxonomy, Diversity, Distribution, DNA Barcoding and Phylogeny of Isopods and copepods (Arthropoda: Crustacea) parasitizing marine invertebrate and vertebrates of Coastal waters of India***”. The major focus of work at present is the systematics of the parasitic crustaceans funded by University Grants Commission under Dr. D. S. KOTHARI POST DOCTORAL fellowship scheme.

- **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. **UGC-DS Kothari-Post-Doctoral Fellowship** (UGC DSK-PDF) offered by University Grants Commission, New Delhi.
2. **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).
3. **Received FINANCIAL ASSISTANCE FOR PUBLISHING BOOKS from University of Kerala (AcE4/FA-01/2019-20; dated: 24/12/2020).**
4. **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).
5. **Junior Research Fellowship**, RKVY Project – Coconut, Kerala Agricultural University, College of Agriculture, Padanekkadu (December 2015) E2/2971/2012.
6. 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).
7. **Junior Research Fellowship**, Kannur University (2009 November).
8. **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)**

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**)
6. Kagoshima University, Japan (**Dr. Daisuke Uyeno**)
7. **Prof. Susumu Otsuka** (Japan)

Taxa Described and redescribed/in press:

3 new genera (2 under review), 18 new species are described, 25 species redescribed

Recently (during 2020-21) described new species/genus

New genus

1. *Brucethoa* **Aneesh**, Hadifield, Smit, Kumar 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1486872&from=rss>

New species

1. *Renocila bijui* **Aneesh** & Bruce, 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1450868>
2. *Elthusa uranoscopus* **Aneesh**, Helna, Kumar & Trilles, 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1453573>
3. *Elthusa pseudorhombus* **Aneesh**, Helna, Kumar & Trilles, 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1453572>
4. *Elthusa fistularia* **Aneesh**, Helna, Kumar & Trilles, 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1453571>
5. *Joryma malabaricus* **Aneesh**, Helna & Trilles, 2019
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1349760>
6. *Acanthochondria krishnai* **Aneesh**, Helna & Kumar, 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1442656>
7. *Chondracanthus kabatai* **Aneesh**, Helna & Kumar, 2020
<http://www.marinespecies.org/aphia.php?p=taxdetails&id=1442661>
8. *Brucethoa* gen. n. *baratha* **Aneesh**, Hadifield, Smit, Kumar 2020
9. <http://www.marinespecies.org/aphia.php?p=taxdetails&id=1486873>
10. *Anilocra grandmaae* **Aneesh**, Hadifield, Smit & Kumar 2021
<https://www.marinespecies.org/aphia.php?p=taxdetails&id=1501401&from=rss>
11. *Lobothorax nicosmiti* **Aneesh**, Bruce & Kumar 2021
12. <https://www.marinespecies.org/aphia.php?p=taxdetails&id=1501424>
13. *Lernaeenicus megalaspis* **Aneesh**, Helna, Kumar & Maran 2021
14. <http://www.marinespecies.org/aphia.php?p=taxdetails&id=1488293>
15. *Renocila trillesi* **Aneesh** & Kumar
16. *Norileca hathai* **Aneesh**, Nashad & Kumar
17. *Lernaeolophus boxshalli* **Aneesh**, Helna, Kumar & Maran
18. *Nemesis santhadevii* Maran, **Aneesh** & Moon

Membership of Professional/Academic bodies/:

1. Linz Zoocode Committee
2. World Association of Copepodologist
3. SEEK (Society for Environmental Education in Kerala).
4. Indian Science Congress

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.

Reviewer of International Journals (77 reviews)

1. **Thalassess An International Journal of Marine Sciences (Springer) (9 reviews).**
2. **Marine Biodiversity (Springer) (4 reviews).**
3. **PeerJ (PloseOne) (2 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) (3 reviews).**
9. **Zookeys (Pensoft) (3 reviews).**
10. **Zoological Studies (Springer) (6 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 (1 reviews).**
21. **Marine biology research (Taylor & Francis) (1 review).**
22. **African Journal of Marine Sciences (Taylor & Francis) (1 reviews).**
23. **PlosOne (1 review).**
24. **Journal of Marine Biological Association of India [MBAI] (1 review).**

RESEARCH PUBLICATIONS

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

2021

1. **Aneesh PT***, Bruce NL, Kumar AB, Bincy MR, Sreenath TM. **2021**. A taxonomic review of the buccal-attaching fish parasite genus *Lobothorax* Bleeker, 1857 (Crustacea: Isopoda: Cymothoidae) with description of a new species from southwestern India. [Zoological Studies, \(BRCAS\) \(IF: 2.058\)](#). 60:13, 1-13. <https://doi.org/10.6620/ZS.2021.60-13>
2. **Aneesh P T***, A K Helna, A Bijukumar, BAV Maran*. **2021**. A new species of parasitic copepod of the genus *Lernaenicus* Le Sueur, 1824 (Siphonostomatoida: Pennellidae) from the Torpedo scad *Megalaspis cordyla* (Linnaeus) off Kerala coast, India. *Marine*

- Biology Research* (Taylor & Francis) (IF: 1.3), 17:1, 1-11.
<https://doi.org/10.1080/17451000.2021.1887498>
3. **Aneesh PT**, KA Hadfield, NJ Smith, A Biju Kumar. 2021. Morphological description and molecular characterisation of a new species of *Anilocra* Leach, 1818 (Crustacea: Isopoda: Cymothoidae) from India. *International Journal for Parasitology: Parasites and Wildlife* (Elsevier)(IF: 2.674), 14 (2021) 321–328.
<https://doi.org/10.1016/j.ijppaw.2021.03.007>
 4. **Aneesh PT***, Helna AK, Prabhakaran MP, R Ravinesh, AB Kumar. 2021. Complementary description and range extension of an unusual caligid copepod *Anchicaligus nautili* (Willey, 1896) (Copepoda: Siphonostomatoida) parasitizing the endangered deep-sea cephalopod *Nautilus pompilius* Linnaeus, 1758 from the Indian Ocean. *Thalassas: An International Journal of Marine Sciences* (Springer)(IF: 0.69).
 Publishe online on 03/08/2021. <https://doi.org/10.1007/s41208-021-00331-2>
 5. Jithendran KP, Navaneeth K, **Aneesh PT**, Praveena E, T Bhuvaneswari. 2021. Suceptability of orange chromide, *Ectropus maculatus* (Bloch, 1795) to experimental infectio of *Betanodavirus*. *Aquaculture International* (Springer) (IF: 2.235) 29:697–710. <https://doi.org/10.1007/s10499-021-00648-y>
 6. Navaneeth K, Kannappan S, **Aneesh PT**, Praveena E, Jithendran KP. 2021. Polychaete worm- a passive carrier for *Enterocytozoon hepatopenaei* in shrimp. *Aquaculture*(Elsevier)(IF: 4.242), 545: 737187: 1–13.
<https://doi.org/10.1016/j.aquaculture.2021.737187>
 7. Dubois A, **Aneesh, PT**, Bauer AM, Ceríaco LMP, Daniel GM, Dellapé P, Engel MS, F Frétey, T Löbl, I Lorvelec, O Marinov, M Ohler, A Schmitt, M Whittington, A Young M, Aescht, E. (2021) Optical discs in zoological nomenclature: problems and proposed solution. *Bionomina*, 24:1–8. [8 November]
<https://doi.org/10.11646/bionomina.24.1>
 8. Nashad M, **Aneesh PT***, AB Kumar, KK Bineesh. A new species of branchial fish parasitic isopod, *Norileca* Bruce, 1990 (Crustacea: Isopoda: Cymothoidae), from the Andaman Islands, India. *Marine Biology Research* (Taylor & Francis) (IF: 1.3), *In Press* (Accepted on 22/11/2021).
<https://doi.org/10.1080/17451000.2021.2011321>
 9. **Aneesh PT***, Nashad M, AB Kumar, KK Bineesh, AA M Hatha. Review on the global distribution and hosts of the external fish parasitic isopod genus *Renocila* Miers, 1880, (Crustacea: Cymothoidae), with the description of a new species from Andaman Islands, India, and notes on new host record of *Renocila bijui* Aneesh & Bruce 2020. *Journal of Natural History*(Taylor & Francis) (IF: 1.05). *In Press* (Accepted on Dec 13, 2021) <https://doi.org/10.1080/00222933.2021.2019341>
 10. **Aneesh PT***, A K Helna, A Bijukumar. Simultaneous co-occurrence of two species of cymothoids from two different genera on a single host fish. *Nauplius* (IF: 0.65) *In Press*. (Accepted on Dec 16, 2021).

In press

11. Venmathi Maran BA, **Aneesh PT** & SY Moon. A new species of parasitic copepod *Nemesis* Risso, 1826 (Siphonostomatoida: Eudactylinidae) from the gills of Coralcat shark *Atelomycterus marmoratus* (Anonymous [Bennett], 1830) From Kota Kinabalu, Malaysia. *Diversity*.
12. **Aneesh PT***, A K Helna, A Bijukumar. Redescription and further report of two tongue replacing fish parasites from the genus *Ceratothoa* Dana, 1852 and *Cymothoa* Fabricius, 1793 (Crustacea: Isopoda: Cymothoidae) with a new record of *Ceratothoa carinata* (Bianconi, 1869) from the southern India Ocean. *Zootaxa*.

2020

13. **Aneesh PT***, KA Hadfield, NJ Smith, A Biju Kumar. 2020. A new genus and species of fish parasitic cymothoid isopod (Crustacea) from Indian waters, with a key to the branchial-attaching cymothoid genera. *Marine Biology Research (Taylor & Francis)*, (IF: 1.3) 16:8-9, 565-584.
<https://doi.org/10.1080/17451000.2020.1851032> .
 14. **Aneesh PT**, Helna AK, Kumar AB, Trilles J-P (2020) A taxonomic review of the branchial fish parasitic genus *Elthusa* Schioedte & Meinert, 1884 (Crustacea: Isopoda: Cymothoidae) from Indian waters with the description of three new species. *Marine Biodiversity (Springer)* (IF. 1.533), 50, 65: 1-38.
<https://doi.org/10.1007/s12526-020-01084-6>
 15. **Aneesh PT**, Bruce, N.L., M. Bineesh, Nashad, A A Mohamed Hatha. 2020. A new species of parasitic cymothoid of the genus *Renocila* Miers, 1880 (Crustacea: Isopoda) parasitizing the body surface of coral reef fish *Acanthurus triostegus* (Linnaeus) from Andaman Island, India. *Marine Biology Research (Taylor & Francis)* (IF: 1.3), 16:5, 396-410 <https://doi.org/10.1080/17451000.2020.1761028>
 16. **Aneesh PT**, AK Helna, A Bijukumar. 2020. New species of *Acanthochondria* Oakley, 1930 and *Chondracanthus* Delaroche, 1811 (Copepoda: Poecilostomatoida: Chondracanthidae) parasitizing marine fishes in Indian coast, with a review on the family Chondracanthidae Milne Edwards, 1840 from India. *Nauplies (Brazilian Crustacean Society (SBC))* (IF: 1.38) , 28: 1-21.
<https://doi.org/10.1590/2358-2936e2020014> .
 17. **Aneesh PT & S Kappalli**. 2020. Occurrence of Life Cycle Dependent Monophasic and Biphasic Molting in a Parasitic Isopod, *Mothocya renardi*. *Thalassas: An International Journal of Marine Sciences (Springer)*(IF: 0.69). 36, 115–124.
<https://doi.org/10.1007/s41208-019-00188-6> (IF: 0.62). NAAS Score: 6. 54.
 18. **Aneesh PT & S Kappalli**. 2020. Protandrous Hermaphroditic Reproductive System in the Adult Phases of *Mothocya renardi* (Bleeker, 1857) (Cymothoidae: Isopoda: Crustacea) – Light and Electron Microscopy Study. *Zoological Studies, (BRCAS)* (IF: 2.058). 59:61:, 1-15. <https://doi.org/10.6620/ZS.2020.59-61>
- 2019**
19. **Aneesh PT***, A K Helna, A Bijukumar. 2019. Redescription and neotype designation for the poorly known fish parasitic cymothoid *Joryma brachysoma* (Pillai, 1964) (Crustacea: Isopoda) from India. *Folia Parasitologica, (Institute of Parasitology, Biology Centre CAS)* (IF: 2.122) 66(014), 1-6.
<https://doi.org/10.14411/fp.2019.014>
 20. **Aneesh PT***, Valarmathi K., Santanu M. 2019: Redescription of *Nerocila recurvispina* Schiödt and Meinert 1881: (Crustacea: isopoda) from the Hooghly River, Kolkata, India. *Marine Biodiversity (Springer)* (IF. 1.76), 49: 301-313.
<https://doi.org/10.1007/s12526-017-0799-8> .
 21. **Aneesh PT**, Helna A.K., Trilles J.P., Chandra K. 2019. Occurrence and redescription of *Anilocra leptosoma* Bleeker, 1857 (Crustacea: isopoda: Cymothoidae) parasitizing the clupeid fish *Tenuulosa toli* (Valenciennes) from the Arabian Sea, India. *Marine Biodiversity (Springer)* (IF. 1.76), 49:443–450.
<https://doi.org/10.1007/s12526-017-0828-7>
 22. **Aneesh PT***, AK Helna, JP Trilles, K Chandra. 2019. A taxonomic review of the genus *Joryma* Bowman and Tareen, 1983 (Crustacea: Isopoda: Cymothoidae) parasitizing the marine fishes from Indian waters, with a description of three new species. *Marine Biodiversity (Springer)* (IF. 1.76), 49:1449–1478.
<https://doi.org/10.1007/s12526-018-0920-7>
- 2018**
23. **Aneesh PT***, A K Helna, A Bijukumar, BAV Maran (2018). Redescription of *Lernaenicus stromatei* Gnanamuthu, 1953 (Copepoda: Siphonostomatida:

Pennellidae) infesting the Black Pomfret *Parastromateus niger* (Bloch) from Indian waters. *Zootaxa* (Magnolia Press), (IF: 1.091), 4482 (2): 375-382. <https://doi.org/10.11646/zootaxa.4482.2.9>

24. **Aneesh PT**, AK Helna, K Sudha, G Anilkumar (2018). *Agarna malayi* Tiwari 1952 (Crustacea: Isopoda: Cymothoidae) parasitising the marine fish, *Tenualosa toli* (Clupeidae) from India: re-description/description, life cycle and pattern of parasitic occurrence. *Zoological Studies*, (BRCAS) (IF: 2.058). 57: 25 (2018) <https://doi.org/10.6620/ZS.2018.57-25>
25. Helna AK, K Sudha, **Aneesh PT**, and G Anilkumar (2018). *Caligus cybii* (Caligidae, Copepoda) parasitising the commercially exploited seer fish, 2 *Scomberomorus commerson*, from the Malabar Coast (India) - occurrence and adaptations. *Turkish Journal of Fisheries and Aquatic Sciences*. 18(3) 445-455. https://doi.org/10.4194/1303-2712-v18_3_10 (IF: 1.264), 18(3),445-455,ISSN: 1303 - 2712 E-ISSN: 2149 - 181X,2018

2017

26. **Aneesh PT***, AK Helna, K Valarmathi, K Chandra, M Santanu (2017) Redescription of *Nerocila exocoeti* Pillai, 1954 (Crustacea: Isopoda: Cymothoidae) parasitic on beloniform (Exocoetidae and Hemiramphidae) hosts with *Nerocila madrasensis* Ramakrishna & Ramaniah, 1978 placed into synonymy. *Zootaxa* (Magnolia Press), (IF: 1.092), 4356(3),385-394 <https://doi.org/10.11646/zootaxa.4365.3.7> Zootaxa,4356(3),385-394,ISSN 1175-5326 (Print Edition) & ISSN 1175-5334
27. **Aneesh PT**, AK Helna, K Sudha, and G Anilkumar (2017) First record of *Glossobius auritus* Bovallius 1885 and *Glossobius hemiramphi* Williams and Williams 1985 (Crustacea: Isopoda: Cymothoidae) parasitizing the marine fishes from Indian Coast. *Thalassas: An International Journal of Marine Sciences* (Springer)(IF: 0.62). 34,173–189. <https://doi.org/10.1007/s41208-017-0050-1>

2016

28. **Aneesh, P. T.**, K. Sudha, A. K. Helna and G. Anilkumar (2016) *Mothocya renardi* (Bleeker, 1857) (Crustacea: Isopoda: Cymothoidae) parasitising *Strongylura leiura* (Bleeker) (Belonidae) off the Malabar coast of India: Redescription, occurrence and life-cycle. *Systematic Parasitology*, (Springer) (IF. 1.431), 93(6), 583-599. <https://doi.org/10.1007/s11230-016-9646-8> .
29. Helna A. K., K. Sudha, **Aneesh P. T.**, Wojciech Piasecki and G. Anilkumar (2016). A case of persisting massive infection of *Scomberomorus commerson*, a commercially exploited scombrid fish, with *Cybicola armatus* (Copepoda: Siphonostomatoida: Pseudocycnidae). *Acta parasitologica*, (Springer) (IF. 1.26), 61(4) 836-848. <https://doi.org/10.1515/ap-2016-0116> .

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30. **Aneesh, P. T.**, K. Sudha, A. K. Helna, G. Anilkumar, and J. P. Trilles (2015) *Cymothoa frontalis*, a cymothoid isopod parasitizing the belonid fish, *Strongylura strongylura* from the Malabar coast (Kerala, India) :redescription, prevalence and life cycle. *Zoological Studies*, (BRCAS) (IF: 2.058). 54:42. <https://doi.org/10.1186/s40555-015-0118-7> .
31. Arshad, K. Sudha, A. A. Mohamed Hatha, **P. T. Aneesh**, A. K. Helna1 and G. Anilkumar (2015) Effect by Gamma Irradiation and Low Temperature Storage on Bacteriological Profile of Edible Estuarine Crab *Scylla serrata*. *Journal of Food Processing and Preservation*. 39, 2473–2484 (IF: 1.4). NAAS Score: 7.16, id. J205.
32. **Aneesh P. T.**, A. K. Helna and K. Sudha (2015) Branchial Cymothoids Infesting the Marine Food Fishes of Malabar Coast, *Journal of Parasitic Diseases*

(Springer) (IF. NIL), 40(4):1270-1277. <https://doi.org/10.1007/s12639-015-0666-0>.

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33. **Aneesh, P. T.**, K. Sudha, A. K. Helna, G. Anilkumar, and J. P. Trilles (2014) Multiple parasitic crustacean infestation on belonid fish *Strongylura strongylura*. *ZooKeys (Pen Soft)* (IF. 1.5), 457: 339–353. <https://doi.org/10.3897/zookeys.457.6817>.

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34. Helna A. K., **Aneesh P. T.**, Arshad K., Sudha K. (2013) Occurrence of Caligus sp. a parasitic copepod (Crustacea) infesting the commercially exploited fishes along the Malabar coast. *Journal of Basic and Applied Biology*. Vol. 7, No.3, 2013, pp. 28-30.
35. **Aneesh P.T.**, Sudha K., Helna A.K., Arshad K., Anilkumar, G. and Trilles J.P. (2013) Simultaneous multiple parasitic crustacean infestation on banded needlefish, *Strongylura leiura* (Belonidae) from the Malabar Coast, India. *International Journal of Scientific and Research Publications*. 3(7) 367-375. (IF: NIL).
36. **Aneesh P.T.**, Sudha K., Arshad K., Anilkumar, G. and Trilles, J.P. (2013) Seasonal fluctuation of the prevalence of cymothoids representing the genus *Nerocila* (Crustacea, Isopoda), parasitizing commercially exploited marine fishes from the Malabar Coast, India. *Acta parasitologica, (Springer)* (IF. 1.26), 58(1), 80-90.

2012

37. Arshad Keethadath, Sudha Kappalli, A. A. Mohamed Hatha, **P.T. Aneesh**, A. K. Helna and G. Anilkumar (2012) Comparative Assessment of microbial load of the dose depended irradiated crab meat under cold preservation. *Journal of Biotechnology & Biomaterials* 2012 2:6 – 314 (Special issue Proceedings of 3rd world congress on Biotechnology being held at HICC, Hyderabad, India during September 13-15, 2012).

b. Book/ Edited Books

38. Pramod, KRB, **Aneesh PT**, AB Kumar (2020) Editors of Book of Abstracts, International Conference on Rivers for Future (RFF 2020), *Organized by* Department of Aquatic Biology and Fisheries, University of Kerala, Thiruvananthapuram, India, 5th to 7th February, 2020. p148.
39. Kumar AB, Suvarna DS, **Aneesh PT** & R. Ravinesh (2021) Editors of Book of Abstracts, *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 91.

c. Articles published in Book chapters

1. .Marimuthu N.*, **P.T. ANEESH*** and K. Paamasivam* (2020) Stomatopods. In: *Faunal Diversity of Biogeographic Zones : Coasts of India : 347-354. (Published by the Director, Zool. Surv. India, Kolkata)* ISBN 978-81-8171-543-2.
2. **Aneesh PT**, Helna AK, AB Kumar (2021) Diversity Of Parasitic Cymothoids Infesting The Deep-Sea And Open Waters Fishes Of India; *In Deep-Sea Faunal Diversity in India. (Published by the Director, Zool. Surv. India, Kolkata)* on 25/02/2021. ISBN 978-81-8171-569-2.

d. Technical Reports

3. **Aneesh PT (2017)** 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. Funding Agency: MoEF &CC, Zoological Survey of India, Kolkata through Post-Doctoral fellowship program.
4. **Aneesh PT (2020)** Project Title: *Diversity, Distribution, DNA Barcoding and Phylogeny of Isopods (Arthropods: Crustacea) parasitizing Commercially valuable marine fishes along the Kerala coast*, UGC-DSK PDF final report.

e. Articles published in Proceedings

5. **Aneesh, P. T., K. Sudha, A. K. Helna and G. Anilkumar.** 2016. New geographical record and new host record of four species of cymothoids (Crustacea, Isopoda, Cymothoidae) infesting the marine fishes off Malabar Coast, India. *In Proceedings of National seminar*, Madhura Kamaraj University, T.N, India.
6. Helna A. K., **Aneesh P. T.** and K. Sudha (2016). Parasitization By Caligids (Crustacea, Copepoda) On The Commercially Exploited Scombrid Fish Species Along The Malabar Coast. *In Proceedings of National seminar*, Madhura Kamaraj University, T.N, India.
7. **Aneesh P. T.,** Sudha Kappalli , Helna A. K., Arshad K., Anilkumar G. 2012. Infestation of Parasitic copepods on Black Pomfret, *Parastromateus niger* (Carangidae) from the Malabar Coast, India. *In Proceedings of National Conference on Aquatic Animal Health and Management M-2012*, 14-15 Sept. 2012. P 48-49.
8. Sudha K., **Aneesh P. T.,** Helna A. K., Arshad K., Anilkumar G. 2012. Parasitic copepods belonging to the genus *Lernathropus* De Blainville 1822, parasitizing the edible marine fishes from the Malabar Coast, India. *In Proceedings of National Conference on Aquatic Animal Health and Management - M-2012*, 14-15 Sept. 2012.
9. Helna A.K., Sudha K., **Aneesh P.T.,** Arshad K., Anilkumar G. 2012. Diversity of *Bomolochus* sp. (Copepoda, Bomolochidae) infesting the edible marine Fishes along the Malabar Coast. *In: Proceedings of National Conference on Aquatic Animal Health and Management -2012(NCAAHM - 2012)*, 14-15 September, 2012. Centre of Advanced Study in Marine biology, Annamalai University, Parangipettai, 52-53.
10. **Aneesh P. T.,** Helna A. K., Sudha K., Arshad Keethadath., and Anilkumar G. 2012. Diversity of Parasitic copepods infesting the Fishes of Malabar. *In Proceedings of National seminar on Faunal Diversity of Kerala.* 23-24 march 2012.
11. **Aneesh P.T.,** Sudha, K., A. Keethadath, Helna A. K, G. anilkumar, Jean-Paul Trilles. 2012. Female reproductive system of *Mothocya renardi* (Bleeker, 1857), a protandrically hermaphroditic cymothoid Parasitizing the slender needlefish. *In Proceedings of 99th Indian Science Congress held at Bhubaneswar* 2- 6 jan. 2012. P 81.
12. Arshad Keethadath., Sudha K, **Aneesh P. T.,** Helna A.K., Anilkumar G. 2011. Combined effect of dose-depended electron beam irradiation and cold storage on the lipid profile of the mud crab meat. *In Proceedings of 99th Indian Science Congress being held at Bhubaneswar.* 2- 6, Jan. 2012. P 81.

f. Papers published in Abstract volume of National/International Symposia/Conference

i. International

13. **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.
14. 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.
15. **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.
16. 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.
17. **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
18. 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.
19. **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.

20. 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 Oct 2011, Bharathiar University, India.
21. **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.
22. 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.
23. Sudha Kappalli., **Aneesh P.T.**, Helna A. K., Arshad K., ²G. 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.
24. 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

25. **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.
26. **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.
27. **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
28. 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.
29. 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.
30. 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.

31. **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.
32. **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
33. **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.
34. **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 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

2. 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.
3. 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.
4. 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

5. 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.

6. 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
7. 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.
8. 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.
9. Presented a paper entitled **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** in National conference on emerging trends in Biological research, University of Madras, Chennai.
10. 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.
11. 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.
12. 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. National workshop on ***Integrative Taxonomy of Freshwater Fishes***. Kerala University of Fisheries and Ocean Studies, Panangad, Kochi. 1st to 4th Dec. 2015.
2. National Conference on ***Recent Advances in Animal Sciences***, Dept. of Zoology, Mangalore University, during 13-15 February 2015.
3. **27th Kerala Science Congress**, Alapuzha, Jan 27-29 2015.
4. Participated in two days ***Orientation programme for academic councilors***, IGNOU Regional Center, Vatakara, during 13-14, Aug. 2014.
5. 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.
6. 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**.
7. 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.
8. 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.
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, **2012**.
 10. National Conference on Aquatic Animal Health and Management M-2012, organized by CAS in Marine Biology, Annamalai University. 14-15 September 2012.
 11. National seminar on Faunal Diversity of Kerala. Organized by Department of Zoology PRNSS College, Mattanur, 23-24 march 2012.
 12. **9th Indian Fisheries Forum** hold at Chennai. 19-23 Dec. 2011.
 13. **8th symposiums on Diseases in Asian aquaculture** hold at Mangalore on 21-25 Nov. 2011.
 14. International Symposium on Environmental Risk Assessment 2011. Bharathiar University. 17-19 Oct. 2011.
 15. 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**.
 16. 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.
 17. **23rd Kerala Science Congress**, Thiruvananthapuram Feb 2011.
 18. 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
 19. **20th Swadeshi Science Congress**, CMFRI, Kochi
 20. 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.
 21. 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
 22. National Seminar on “**Bioinformatics & Computational Biology** “Organized by Annamalai University, Chidambaram, T.N. Sponsored by DBT & CSIR New Delhi, during 21th-22th March 2007.
 23. Participated in National Seminar on Trends Problems and Prospects of Industries in India under the Agenda of reforms. Sree Narayana College Kannur, March 2010.
 24. 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.
 25. 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

Teaching/Research/Administrative experiences

	<u>Experience</u>		<u>Position held</u>	<u>Institute</u>	<u>Period</u>	<u>Total</u>
<u>1</u>	Resear ch	Post - Doctor al 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 onwards	1 year as on 01/11/20 21
			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 Campus, South Africa	22/01/2019 To 25/02/2019	1 month
			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
	Doctor al level	Research Scholar	Sree Narayana College, Kannur, Kerala	19/11/2009 to 21/10/2014	4 years & 11 months	
<u>2</u>	Teachi	PG &	Guest Lecturer	Sree Narayana College, Kannur	14/07/2014	1

	ng	<i>UG level</i>			to 31/03/2015	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		
3	Administrative	Assistant Co-ordinator	IGNOU, Study Centre , 1405 – Sree Narayana College, Kannur	5 th November 2012 – 28th 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 (2005-2007).
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.

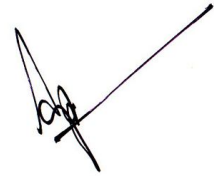
7. Supervised 2 Master and 10 undergraduate students for their dissertation.

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

Place: Karyavattom

Date: 03/12/2021

Sincerely yours,



(ANEESH P. T.)

References

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