

CURRICULUM VITAE

Prasad Chandra Tudu

Scientist 'C'

Zoological Survey of India

(Ministry of Environment, Forest and Climate Change)

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SKILL AND EXPERTISE

1. Taxonomy of marine mollusc, intertidal macro-benthic invertebrate fauna and ornamental fishes.
2. Establishment and maintenance of marine aquarium.

EDUCATION

2013 - to date Ph.D. (Zoology, Thesis submitted).

Department of Zoology, **West Bengal State University** (Reg. no. 10014419112000021 of 2013), INDIA

Thesis: *Study of intertidal macro-benthic invertebrate fauna of northern east coast of India.*

Supervisor: Dr Prasanna Yennawar, Former Scientist 'D', Freshwater Biology Regional Centre, Zoological Survey of India, Hyderabad, Telengana- 500048, India.

Co-supervisor: Prof. Narayan Ghorai, Department of Zoology, West Bengal State University, Berunanpukuria, North 24 Pargans, Kolkata- 700126, India.

2012-2013 Ph.D. course work (Zoology)

Department of Zoology, **West Bengal State University** (84.22, 1st division),

INDIA

2008-2010 M.Sc. (Zoology)

Department of Zoology, **Berhampur University** (60.00, 1st division),

INDIA

2003-2006 B.Sc. (Zoology), Honours

Department of Zoology, Rairangpur College, Rairangpur, **North Orissa University** (74.24, 1st division with distinction)

INDIA

RESEARCH EXPERIENCE

- 09.06.2017 to present* **Post held: Scientist C**
Zoological Survey of India,
Marine Aquarium and Regional Centre, Digha,
West Bengal, INDIA
Nature of Duties: Taxonomy of marine mollusc, intertidal benthos and ornamental fishes; Maintenance of marine Aquarium and marine Museum.
Work area: Indian coast.
- 12.11.2013 to 08.06.2017* **Post held: Assistant Zoologist**
Zoological Survey of India,
Marine Aquarium and Regional Centre, Digha,
West Bengal, INDIA
Nature of Duties: Taxonomy of marine mollusc, intertidal benthos and ornamental fishes; Maintenance of marine Aquarium and marine Museum.
Work area: Indian coast.
- 18.02.2008 to 11.11.2013* **Post held: Sr. Zoological Assistant**
Zoological Survey of India,
Marine Aquarium and Regional Centre, Digha,
West Bengal, INDIA
Nature of Duties: Taxonomy of marine mollusc, intertidal benthos and ornamental fishes; Maintenance of marine Aquarium and live organism.
Work area: Indian coast.

RESEARCH PROJECT AS INVESTIGATOR

(As co-investigator)

Completed: (In house)

1. Studies of macro-benthic (invertebrate) fauna around Digha coast (April 2008 – March 2011)
2. Study of macro-benthic (invertebrate) fauna from some coastal areas of Gujarat State (April 2008 – March 2012)
3. Study of behaviour, growth, breeding & survival of marine ornamental fauna under captivity (April 2011-March 2013).
4. Study of the Ornamental fauna of East coast, India: (April 2012-March 2015).

Ongoing: (In house)

1. Taxonomic study of Eels of the order Anguilliformes of the East coast of India (April 2015- March 2018).

FIELD EXPERIENCE

1. Having experience on organising coastal survey for collection of intertidal macrobenthic invertebrate fauna, mollusca and ornamental fishes.

SPECIES DESCRIBED

1. *Gymnothorax visakhaensis* Mohapatra, Smith, Mohanty, Mishra and **Tudu**, 2017 (*Zootaxa*, 4300(2):279-286; <https://doi.org/10.11646/zootaxa.4300.2.9>)
2. *Enchelycore propinqua* Smith, Mohanty, Mishra and **Tudu**, 2017 (*Zootaxa*, 4319(3):595-599; <https://doi.org/10.11646/zootaxa.4319.3.11>)

SPECIES REPORTED NEW TO INDIA

1. *Fulvia nienkaea* ter Poorten, 2012 (*Indian Journal of Geo-Marine Science*, 45(1):145-146.)
2. *Neomerinthe rotunda* Chen, 1981 (*Indian Journal of Geo-Marine Sciences*, 45(6) 749-751.)
3. *Parascorpaena mcadamsi* (Fowler, 1938) (*Journal of Bombay Natural History Society*, 122(2):104-106 <https://doi.org/10.17087/jbnhs/2015/v112i2/104945>)

INTERSTING OBSERVATIONS

1. *Neripteron cornucopia* rediscovered after 180 years in India, from Digha and Bichitrapur mangroves (Published in *Indian Journal of Science Research* 13(1): 208-211)

PUBLICATION HIGHLIGHTS

Journal Publications

1. Anil Mohapatra, David G. Smith, Swarup Ranjan Mohanty, Subhrendu Sekhar Mishra and **Prasad Chandra Tudu**. 2017. *Enchelycore propinqua* sp. nov., a new eel (Anguilliformes: Muraenidae: Muraeninae) from the Indian Coast, *Zootaxa*, 4319(3):595-599. <https://doi.org/10.11646/zootaxa.4319.3.11>
2. Prasanna Yennawar, Anil Mohapatra and **Prasad Chandra Tudu**, 2017. An account of Ichthyofauna of Digha coast, West Bengal, *Rec. zool. Surv. India*: 117(Part-1): 4-21. DOI: [10.26515/rzsi/v117/i1/2017/117289](https://doi.org/10.26515/rzsi/v117/i1/2017/117289)
3. Anil Mohapatra, David G. Smith, Swarup Ranjan Mohanty, Subhrendu Sekhar Mishra and **Prasad Chandra Tudu**. 2017. *Gymnothorax visakhaensis* sp. nov., a new species of elongate unpatterned moray eel (Muraenidae: Muraeninae) from the Indian Coast, *Zootaxa*, 4300(2):279-286. <https://doi.org/10.11646/zootaxa.4300.2.9>
4. **Prasad Chandra Tudu**, Narayan Ghorai, Prasanna Yennawar and Anil Mohapatra. 2017. Rediscover of Nerite snail *Neripteron cornucopia* (Gastropoda: Neritidae) after 180 years in India, *Indian J. Sci. Res.* 13(1): 208-211.
5. **Prasad Chandra Tudu** and Anil Mohapatra. 2016. First record of a Cardiid cockles, *Fulvia nienkaea* ter Poorten, 2012 (Mollusca: Bivalvia: Veneroidea: Cardiidae) from Indian waters, *Indian Journal of Geo-Marine Science*, 45(1):145-146.
6. Anil Mohapatra, **Prasad Chandra Tudu** and Dipanjan Ray. 2016. First record of *Neomerinthe rotunda* Chen, 1981 (Actinopterygii: Scorpaeniformes: Scorpaenidae) from Indian waters. *Indian Journal of Geo-Marine Sciences*, 45(6) 749-751.
7. **Prasad Chandra Tudu**, Narayan Ghorai, Prasanna Yennawar, Anil Mohapatra, 2015. A report of *Armina babai* (Tchang, 1934) (Nudibranchia: Arminoidea: Arminidae) along northern east coast of India. *Rec. zool. Surv. India*: 115(Part-3): 273-275.

8. Anil Mohapatra, **Prasad Chandra Tudu**, Dipanjan Ray, 2015. First report of Mcadam's scorpionfish *Parascorpaena mcadamsi* (Fowler, 1938) from Indian waters. *Journal of Bombay Natural History Society*, **122**(2):104-106
<https://doi.org/10.17087/jbnhs/2015/v112i2/104945>
9. Dipanjan Ray, **Prasad Chandra Tudu** & Anil Mohapatra. 2014. First report of three Surgeon fishes (Family: Acanthuridae) from the north of east coast of India. *Journal of Bombay Natural History Society*. **111** (1): 54-57.
<https://doi.org/10.17087/bnhs/2014/v111i1/56539>
10. Prasanna Yennawar & **Prasad Chandra Tudu**. 2014. Study of macro-benthic (Invertebrates) fauna around Digha coast, *Rec. zool. Surv. India*: **114**(Part-2): 341-356.
11. Anil Mohapatra, Dipanjan Ray, **Prasad Chandra Tudu** & Subhrendu Sekhar Mishra. 2014. Range extension and first report of *Monodactylus kottelati* (Perciformes: Monodactylidae) from Chilka Lagoon, east coast of India, *Marine Biodiversity Records* Vol. **7**; e11. doi:10.1017/S1755267214000013. (Online)
12. **Prasad Chandra Tudu** and Dipanjan Ray. 2014. New records of ornamental gastropod Major Harp, *Harpa major* (Mollusca: Neogastropoda: Harpidae) from offshore coast of Odisha, *Bionotes*, **16**(1):20
13. Anil Mohapatra, Dipanjan Ray & **Prasad Chandra Tudu**. 2014. New record of Convict Surgeonfish *Acanthurus triostegus* (Linnaeus, 1758) from Chilka lake, *Rec. zool. Surv. India*: **113**(Part-4): 75-77.
14. Anil Mohapatra, **Prasad Chandra Tudu**, Dipanjan Ray & Prasanna Yennawar. 2013. First report on the occurrence of four fishes of family: Nemipteridae from Digha on the east coast of India. *Rec. zool. Surv. India*: **113**(Part-1): 145-149.
15. Prasanna Yennawar, **Prasad Chandra Tudu**, Dipanjan Ray & Anil Mohapatra. 2013. Occurrence of two reef fishes *Gymnothorax reticularis*, Bloch, 1795, (Family: Muraenidae) and *Scarus ghobban* Forskal, 1775, (Family: Scaridae) from West Bengal coast, India. *Rec. zool. Surv. India*: **113**(Part-1): 129-135.
16. **Prasad Chandra Tudu**, Dipanjan Ray & Anil Mohapatra. 2013. First record of Turrid shell, *Gemmula vagata* from northern east coast of India (Mollusca: Littorimorpha: Turridae), *Bionotes*, **15**(2):58. (ISSN 0972-1800)
17. Anil Mohapatra, **Prasad Chandra Tudu** & Prasanna Yennawar. 2012. A note on occurrence of Yellow -wing flying fish, *Cypselurus poecilopterus* (Valencies, 1857) from Digha, east coast of India. *Rec. zool. Surv. India*. **112** (3): 119-120.
18. Prasanna Yennawar, **Prasad Chandra Tudu** & Anil Mohapatra. 2012. First report of stargazer *Ichthyscopus lebeck* (Schneider in Block & Schneider, 1801) from Digha coast, India. *Rec. zool. Surv. India*. **112** (3): 117-118.

19. Anil Mohapatra, **Prasad Chandra Tudu** & Prasanna Yennawar. 2012. First report of a fish from family: Antennariidae (*Antennarius hispidus*) from Digha coastal waters, on the east coast of India. *Rec. zool. Surv. India.* **112** (2): 123-124.
20. Prasanna Yennawar and **Prasad Chandra Tudu**. 2012. New records of *Argyrops bleekeri* (Family: Sparidae) in Indian waters, *Rec. zool. Surv. India.* **112**(2):121-122.
21. **Prasad Chandra Tudu** & Anil Mohapatra. 2012. New Records of a Top shell, *Trochus maculatus* from Odisha coast (Mollusca: Trochidae). *Bionotes*, **14**(4): 125.
22. Prasanna Yennawar, **Prasad Chandra Tudu** & Anil Mohapatra. 2011. New records of occurrence of two species of eels of Genus *Gymnothorax* (Muraenidae) on Digha coast of India. *Journal of Bombay Natural History Society.* **108** (3): 234-235.
23. Prasanna Yennawar, **Prasad Chandra Tudu** & Anil Mohapatra, 2011, Occurrence of three red listed species of *Epinephelus* (Perciformes: Serranidae) on Digha coast, India, *Journal of Threatened Taxa* **3** (10), p. 2150-2152.
24. Prasanna Yennawar & **Prasad Chandra Tudu**. 2011. Mutualism of spider Crab, *Doclea ovis* (Herbst, 1790) in Indian water, *Current Science*, vol- **100**, No-3, p. 281.
25. Prasanna Yennawar & **Prasad Chandra Tudu**. 2010. New records of occurrence of Indian Yellow Boxfish: *Ostracion cubicus* (Linnaeus, 1758) from Digha, Northern East coast of India, *Rec. zool. Surv. India:* **110**(Part-1). 115-118.

Conference Proceedings

1. **Prasad Chandra Tudu**, Dipanjan Ray and Anil Mohapatra, 2017. An account of molluscan fauna of Digha coast, Bay of Bengal, UGC sponsored *National Seminar on Role of biodiversity and natural resources in sustainable development*: 56-72. ISBN-978-93-84241-25-4 (Organised by Bajkul Milani Mahavidyalaya, Bajkul).
2. **Prasad Chandra Tudu**, Narayan Ghorai, Prasanna Yennawar & Anil Mohapatra, 2016. Molluscan diversity of northern east coast of India, UGC sponsored *National Seminar on Role of biodiversity and natural resources in sustainable development* held on 19th Jan 2016, organised by Bajkul Milani Mahavidyalaya, Bajkul (WB).
3. **Prasad Chandra Tudu** & Anil Mohapatra, 2016. Mass destruction of Sea cucumber at Digha coast as fish trash by shore scene nets, UGC sponsored *National Seminar on 'Conservation of Biodiversity and Natural resources in sustainable Development'* held on 6th – 7th September 2016, organised by Department of Zoology, Archarya Prafulla Chandra College, New Barrackpore, Kolkata – 700131.

Book(s)/ Book Chapter(s)

1. Anil Mohapatra & **Prasad Chandra Tudu**, 2017. *Guide on some Marine Aquarium Fauna*, Zoological Survey of India, 1-85.
2. Prasanna Yennawar, Anil Mohapatra, Dipanjan Ray & **Prasad Chandra Tudu**, 2015. Ichthyofauna of Digha coast, *In: Venkataramn, K. and Sivaperuman, C. (Eds), Marine faunal diversity in India, Taxonomy, Ecology and Conservation: 235-248*. DOI: 10.1016/B978-0-12-801948-1.00015-X

Accepted Papers

1. **Prasad Chandra Tudu**, Dipanjan Ray, Anil Mohapatra, Checklist of the Sea pens (Order: Pennatulacea) of India, *Indian Journal of Geo-Marine Science*. (IJMS/MS3324)
2. **Prasad Chandra Tudu**, Prasanna Yennawar, Narayan Ghorai, Basudev Tripathy, Anil Mohapatra, An updated checklist of marine and estuarine mollusc of Odisha coast, *Indian Journal of Geo-Marine Science*. (IJMS/MS3494)

Communicated Papers

1. **Prasad Chandra Tudu**, Narayan Ghorai, Prasanna Yennawar, and S. Balakrishnan, Marine and estuarine mollusc of West Bengal coast: An overview, *Records Zoological Survey of India*. (#120799)
2. **Prasad Chandra Tudu**, Prasanna Yennawar and Anil Mohapatra, First report of two Ark shells, *Anadara consociata* (E.A. Smith, 1885) and *Anadara troscheli* (Dunker, 1882) (Arcidae: Anadarinae) from Indian waters with notes on morpho-taxonomy of some related species from East coast of India, *Zoological Survey of India*.
3. **Prasad Chandra Tudu**, Prasanna Yennawar, Narayan Ghorai, Basudev Tripathy and Anil Mohapatra, First report of two species of genus *Monotygma* G.B. Sowerby II, 1839 (Gastropoda: Pyramidellidae) from Indian Ocean, *Journal of Threatened Taxa*. (#3137)
4. Prasanna Yennawar, **Prasad Chandra Tudu** and Anil Mohapatra, Macro-benthic (Invertebrate) fauna of coastal Gujarat, *Records Zoological Survey of India*.

Reviewed manuscripts for Journals as Reviewer:

1. Records of Zoological Survey of India

PROFESSIONAL TRAINING ATTENDED

1. Participated in the **17th Foundation Training Programme for Scientist and Technologist** held at Indian Institute of Public Administration, New Delhi from 22nd January 2018 to 16th March 2018.
2. Participated in the national training programme on **The Future of Digha: Tackling the Oceans along the West Bengal coast** organized by Digha Shankarpur Development Authority from 14th and 15th of September 2017.
3. Training course on “**Advances in Wildlife Research and Conservation**” at Wildlife Institute of India, Dehradun from 9th to 14th August 2017.
4. Training course on **e-Granthalaya**, facilitated by National Informatics Centre, New Delhi and Zoological Survey of India, Ministry of Environment and Forests, Govt. of India, during 19-20th April 2010 at Western Ghat Regional Centre, Calicut, Kerala.
5. Training on ‘**Concept of Information Technology and Office Suite**’ during 13-18 July 2009 organized by CMC Limited, Kolkata.
6. **Eleventh leadership course on environmental awareness and wildlife conservation**, during 24-27, March 2009 organized by Zoological Survey of India, Kolkata.
7. **Fifteenth training course on collection, preservation and Identification of insects and mites of economic importance**, during 16-19, December 2008 organized by Zoological Survey of India, Kolkata.

TRAINING ATTENDED AS RESOURCE PERSON

1. Resource Person of Vacation hobby camp for school student of **Ramakrishna Vivekananda International School**, Chakulia, Jharkhand, Organized by **Digha Science Centre** at Digha beach on 6th May 2017.
2. Resource Person of **National Nature Camp Programme (NNCP)** for under privileged school student of West Bengal; Organized by **WWF (West Bengal)** and **Digha Science Centre** at Digha beach during 17th and 18th January 2017.
3. Resource Person of **Nature and Exposure Camp** for school student, Organised by **Aranya (NGO)** and **Digha Science Centre** at Digha beach during 6th and 8th January 2017.
4. Resource Person of National Nature Camp Programme (NNCP) for under privileged school student, Organised by **WWF (West Bengal)**, **Indian Museum**, Kolkata and **Digha Science Centre** at Tajpur and Digha beach during 16th and 17th December 2016.

5. Resource Person of 1st International Science Centre and Science Museum Day on 10th November 2016 at **Digha Science Centre** and National Science Camp for the school student.
6. Resource Person of 4th training (field) on Integrated Coastal Zone Management Project for **Government Officers** of West Bengal to Mondarmoni, Shankarpur, Digha, Udaypur, Talsari and Khadibil Mangrove, organized by Marine Aquarium and Regional Centre, Zoological Survey of India, Digha during 27th and 28th September, 2015.
7. Resource Person of 4th training (field) on Integrated Coastal Zone Management Project for **Community People** of West Bengal to Mondarmoni, Shankarpur, Digha, Udaypur, Talsari and Khadibil Mangrove, organized by Marine Aquarium and Regional Centre, Zoological Survey of India, Digha during 8th and 9th December, 2015.
8. Resource Person of 3rd training (field) on Integrated Coastal Zone Management Project for **Government Officers** of West Bengal to Mondarmoni, Shankarpur, Digha, Udaypur, Talsari and Khadibil Mangrove, organized by Marine Aquarium and Regional Centre, Zoological Survey of India, Digha during 7th and 8th January, 2014.
9. Resource Person of 3rd training (field) on Integrated Coastal Zone Management Project for **Community People** of West Bengal to Mondarmoni, Shankarpur, Digha, Udaypur, Talsari and Khadibil Mangrove, organized by Marine Aquarium and Regional Centre, Zoological Survey of India, Digha during 11th and 12th February 2014.
10. Attended a field trip as Resource Person to Study of beach ecosystem of Vacation Hobby camp organized by the **Digha Science Centre** and National Science Camp on 21.11.2013 for the school student.
11. Resource Person of 2nd training (field) on Integrated Coastal Zone Management Project for **Community People** of West Bengal to Mondarmoni, Shankarpur, Digha, Udaypur, Talsari and Khadibil Mangrove, organized by Marine Aquarium and Regional Centre, Zoological Survey of India, Digha during 28th and 29th February 2013.
12. Resource Person of 2nd training (field) on Integrated Coastal Zone Management Project for **Government Officers** of West Bengal to Mondarmoni, Shankarpur, Digha, Udaypur, Talsari and Khadibil Mangrove, organized by Marine Aquarium and Regional Centre, Zoological Survey of India, Digha during 15th and 16th December 2012.
13. Resource Person of 1st training (field) on Integrated Coastal Zone Management Project for **Government Officers** of West Bengal to Mondarmoni, Shankarpur,

Digha, Udaypur, Talsari and Khadibil Mangrove, organized by Marine Aquarium and Regional Centre, Zoological Survey of India, Digha during 28th and 29th February 2012.

AQUARIUM DEVELOPMENT AND MAINTENANCE

1. In-charge of Marine Aquarium of Marine Aquarium and Regional Centre, Digha since April 2014 to till date which involves the day to day maintenance of Marine Aquarium including monitoring of livestock, feeding, treatment of disease animals, maintenance of aquascaping, aeration system, maintenance of filtration system and purchase/liberation of new animals etc.
2. Active participation in the developmental work, like renovation of tanks with black granite, installation of canister filter, multidirectional wave maker, metal halide light, protein skimmer with other bio-media filter etc. CO₂ diffuser and Calcium reactor was installed in the tank with Mollusc fauna and planted tank respectively. Regular maintenance involves the liberation of fishes, preparation of information label, monitoring feeding, replacement of water, shifting of corals, maintenance of aqua scaping, healthy maintenance physical and chemical properties of sea water for better survival of aquatic animal.

MUSEUM DEVELOPMENT WORK

1. Active participation in the collection, digging and fixing of 42 feet Bride's Whale skeleton at Marine Aquarium and Regional Centre, Digha during 2012 to 2017. The whale skeleton was displayed at campus of Marine Aquarium and Regional Centre, Digha, West Bengal.
2. Active participation in the development of walk through Sundarban diorama at Marine Aquarium and Regional Centre, Digha during 2017, which having artificial mangrove plants and fibre glass model of Bengal tiger, salt water crocodile, king fisher, jungle fowl, fiddler crab, molluscan shell etc; and diorama of Sundarban fisherman community with boat, net, cooking utensils etc.
3. Active participation in the development of Instrumentation Museum at Marine Aquarium and Regional Centre, Digha during 2017 to display more than 50 variety of equipment including HPLC, Atomic Absorption Spectrophotometer, Amino Acid Analyser, Environmental Test Chamber, etc used in the marine science research.
4. Active participation in the development of Marine Museum at Marine Aquarium and Regional Centre, Digha during 2012 to 2015 where more than 500 species of marine fish both cartilaginous and bony fish, sea snake, crabs, anemone, horseshoe

crab, echinoderms, lobsters etc. and 200 species of marine mollusc and corals are displayed for mass education purpose. The museum also equipped with several awareness posters of marine species like Dugong, Red crab, Dolphins of India, Whales of India, Crabs, Prawns, Sea Shells, Sea Pens, Coastal birds etc. The Museum also having the life size models of 5 types of Marine sea turtles available in India. This museum is helpful for the students and public; for the purpose of awareness and marine science study on marine faunal diversity conservations as well as serve as a very good platform for the students having interest on marine biology from all over India. The museum was inaugurated and opened for the public on 03.02.2016 by Shri Hem Pande, Honourable Special Secretary, MoEFCC, Shri Sisir Adhikari, MP, Contai in presence of Dr. Kailash Chandra, Director, Zoological Survey of India & Dr. Paramjit Singh, Director, Botanical Survey of India.

OTHER OFFICIAL WORK UNDERTAKEN

1. In-charge of Marine Aquarium of Marine Aquarium and Regional Centre, Digha from November 2013 to date.
2. In-charge of Library, Staff Quarters and Specimen Gallery of Marine Aquarium and Regional Centre, Digha from October 2017 to date.
3. Member of official purchase committee from October 2017 to date.
4. Chairman of official purchase committee during May 2016 to April 2017.
5. Member of purchase committee of ICZM Project during 2012 to 2017.
6. In-charge of Store & Stationeries of Marine Aquarium and Regional Centre, Digha from May 2016 to April 2017.
7. In-charge of Office Vehicle of Marine Aquarium and Regional Centre, Digha from May 2016 to till date.
8. In-charge of Library of Marine Aquarium and Regional Centre, Digha from April 2014 to April 2017.
9. Assisting in the maintenance of Marine Aquarium of Marine Aquarium and Regional Centre, Digha from 2008 to March 2014.
10. Assisting in the record keeping and maintenance of store and stationeries of Marine Aquarium and Regional Centre, Digha from 2008 to November 2013.
11. Assisting in the record keeping and maintenance of library of Marine Aquarium and Regional Centre, Digha from 2008 to November 2013.

EXPERTISE ON INSTRUMENTS & SOFTWARES

Instruments

- ❖ Water quality analyser (Salinity, turbidity, pH, DO, BOD)
- ❖ Operation of Corer, Grave and Dredge etc.

Software

- ❖ Having command on image editing software Adobe Photoshop
- ❖ Having command on drawing software CorelDraw X7
- ❖ Having command on mapping software Generic Mapping Tools (GMT).