

SCIENTIST D

Marine Aquarium & Regional Centre
Zoological Survey of India
Ministry of Environment Forest and Climate Change
Government of India
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Dr. J. S. YOGESH KUMAR

ACADEMIC QUALIFICATION

- **PhD.**, 2006 - 2012 - Department of Zoology, V.O.C.College, Thoothukudi, Manonmaniam Sundaranar University, Trinaveli, Tamil Nadu, India.
- **M.Phil.**, 2006 - Department of Zoology, V.O.C.College, Thoothukudi, Manonmaniam Sundaranar University, Trinaveli, Tamil Nadu, India.
- **M.Sc.**, 2002 - 2004 - Department of Zoology, V.O.C.College, Thoothukudi, Manonmaniam Sundaranar University, Trinaveli, Tamil Nadu, India.
- **B.Sc.**, 2001 - Department of Zoology, Kamaraj College, Thoothukudi, Manonmaniam Sundaranar University, Trinaveli, Tamil Nadu, India.

PROFESSIONAL EXPERIENCES

- **Post Doctoral Fellow.**, July 2016 to April 2017 in Zoological Survey of India, Head Office, Kolkata, India
- **Young Scientist.**, June, 2013 to July, 2016 – Fast track scheme (DST – SERB) – Zoological Survey of India – Andaman and Nicobar Islands, India.

RESEARCH & WORKING EXPERIENCE: (12 years)

Name of the Office/Instt./Orgn.	Post held	From	To	Nature of duties/ Exp.
Ministry of Environment Forest & Climate Change, Zoological Survey of India, MARC, Digha, Purba Medinipur	Scientist D	7 th April 2017	Still date	Marine Cnidarian (Octocoral Taxonomy) and Associate faunal diversity

District, West Bengal				
Zoological Survey of India, Head Office, Kolkata	Post Doctoral Fellow	13 th July 2016	6 th April 2017	Marine Cnidarian Taxonomy (Octocoral Taxonomy)
Zoological Survey of India (ANRC)	Young Scientist	1 st June 2013	12 th July, 2016	Diversity and distribution of Gorgonian (DST Project)
Andaman and Nicobar Islands	Administrative In-charge	1 st June 2013	31 st July 2015	Coral transplantation and restoration, Jamnagar, Gujarat
Zoological Survey of India (GOK) Gujarat	Research Associate	19 th August 2012	31 st May 2013	Coral Transplantation and Restoration
Zoological Survey of India (ANRC) Andaman and Nicobar Islands	Senior Research Fellow	1 st December 2011	31 st July 2012	Survey and Monitoring of coral reef and associated Faunas
Zoological Survey of India (ANRC) Andaman and Nicobar Islands	Junior Research Fellow	17 th July 2009	30 th November 2011	Survey and Monitoring of coral reef and associated Faunas

Peoples Action for Development (PAD) Thoothukudi	Research Associate	6 th May 2006	10 th July 2009	ICT program and mangrove and Non mangrove plantation with MSSRF
Sugandi Devadasan Marine Research Institute (SDMRI) Thoothukudi	JRF	5 th Jan 2006	5 th May 2006	Coral recruitment and Reproduction project

Ph.D. Thesis : Entitled of “*A Study on the Impact of industrial pollution on the coral reef Islands of Thoothukudi District- Gulf of Mannar Marine Biosphere Reserve, south east coast of India*”. Manonmaniam Sundarnar University. (MSU), Trinelveli, Tamil Nadu, India.

M.Phil Dissertation: Entitled of “*Effect of Gorgonian (Soft Coral) Extract on Test Animals*” (*Penaeus indicus, Penaeus monodan*). Manonmaniam Sundarnar University. (MSU), Trinelveli, Tamil Nadu, India.

PROJECTS LEADING SKILL:

- **Post Doctoral Fellow** : 13th July 2016 to 7th April 2017, Taxonomical study of Octocorals (Cnidaria) and survey and monitoring of marine fauna from Indian water.
- **Young Scientist & Principle Investigator**: 1st June 2013 to 12th July 2016, the project entitled “*Diversity and distribution of Gorgonian octocorals in and around the Andaman and Nicobar Islands – a baseline study for the Management of soft corals*”, DST – SERB funded project. Sanctioned rupees 21 lacks for three years (2013-2016) and received 8 lacks for first year and 5.5 Lacks for second year.
- **Administrative In-charge** (additional charge): 1st June 2013 to 31st July 2015, the project entitled “*Improving the Quality of reefs through transplantation/restoration of corals at Gulf of Kachchh – A community based sustainable approach*”, MNP – ICZM (World Bank) funded project. A total 9 staffs working

under my guidance on this project, of which one Research Associate, 4 Junior Research Fellows, 4 Field Collectors.

RESEARCH ACHIEVEMENTS

- **New findings (2009 – 2018):** 58 Gorgonians, 20 Soft corals, 15 black corals, 66 corals, 88 Fishes, 95 Opisthobranchs.
- **Coral transplantation and restoration (2012-2015):** 1000sq.m in Gulf of Kachchh, Gujarat, India.
- **GIS mapping (2006 – 2009):** 60 coastal villages in Gulf of Mannar and 36 coastal villages in Pondicherry in India.
- **Mangrove restoration (2006-2009):** 1500 ha in Punnakayal and 1000 ha in Vippar, GOM, Tamil Nadu, India.

PUBLICATIONS – (57)

- *Number of Books Published – 6*
- *Number of Book chapters published - 5*
- *Number of Manuscripts Published – 38*
- *Number of Abstract Published - 8*

CONFERENCE / SEMINAR / SYMPOSIUM / WORKSHOP / TRAINING

- **Participation – 7 and Abstract published - 8**

Books Published – 6

1. Satyanarayana, Ch., Chandran, R., Ramkumaran, K., Rajkumar Rajan, Tripathi, B., Kailash Chandra, Venkataraman, K. and **YogeshKumar, J.S.** Shyamal Tikadar, Kamboj, R.D. and Nisha, J.C. (2017). Transplantation / Restoration of extirpated and threatened corals at Gulf of Kachchh- A Marginalized reef region of India with lessons for climate change mitigation. Published by *the Director, Zoological Survey of India, Kolkata*, 1- 112pp.
2. **YogeshKumar, J. S.**, C. Raghunathan, R. Raghuraman, C.R. Sreeraj and Venkataraman, K. (2014). *Handbook on Gorgonians (Octocorallia) of Andaman and Nicobar Islands*. Published by *the Director, Zoological Survey of India, Kolkata*, 1-119pp.
3. Raghunathan, C., Raghuraman, R., Sreeraj, C. R., **YogeshKumar, J. S.**, Tamal mondal and Venkataraman, K. (2014). *Protected marine animals of India*.

- Published by *the Director, Zoological Survey of India, Kolkata* (ISBN 978-81-8171.371-1), 1-214pp.
4. Venkataraman, K., Raghunathan, C., Raghuraman, R., Sivaperuman, C., Sreeraj, C. R., Titus Immanuel and **YogeshKumar, J. S.**, 2012. *Scleractinia of Andaman and Nicobar Islands*. (ISBN 978-81-8171-316-2) *Rec. Zool. Surv. India, No.*, 1-304pp.
 5. Ramakrishna., C.R. Sreeraj., C. Sivaperuman., C. Raghunathan., J.S. **YogeshKumar.**, R. Raghuraman., P.T. Rajan., and Titus Immanuel. (2010). *Guide to Ophisthobranchs of Andaman and Nicobar Islands. Rec. Zool. Surv. India*, ISBN : 81-8171-261-5., 196pp.
 6. Ramakrishna, Titus Immanuel., Sreeraj, C. R., Raghunathan, C., Raghuraman, R., Rajan, P.T. and **YogeshKumar, J.S.** (2010). *An account of additions to the Ichthyofauna of Andaman and Nicobar Islands. Rec. Zool. Surv. India.* 326:1-140pp.
- **Book chapters published - 5**
1. **YogeshKumar, J.S.** 2015. A Lady of the sea (Seacow). Centenary Souvenir 1916-2015, Compiled by Shri R.R.Verma, J. Chitra, Debdulal saha. The Director, Zoological Survey of India, MoEFCC, M-Block, New Alipore, Kolkata – 700053, 253.
 2. **YogeshKumar, J.S.**, Raghunathan, C., and Venkataraman, K. 2014. *Abundance of shallow water octocorals in the Andaman and Nicobar Archipelago, India*. “Marine Faunal Diversity in India, Taxonomy, Ecology and Conservation”, Krishnamoorthy Venkataraman and Chandrakasan Sivaperuman (Eds.). Elsevier’s Science and Technology Rights Department in Oxford, UK. DOI: 10.1016/B978-0-12-801948-1.00003-3; ISBN: 978-0-12-801948-1, Chapter – 2: 15 – 33.
 3. Devi, K., Sadhukhan, K., **YogeshKumar, J.S.** and Kumar Shah, S. 2014. *New records of reef fishes from the Andaman and Nicobar Islands*. “Marine Faunal Diversity in India, Taxonomy, Ecology and Conservation”, Krishnamoorthy Venkataraman and Chandrakasan Sivaperuman (Eds.). Elsevier’s Science and Technology Rights Department in Oxford, UK. DOI: 10.1016/B978-0-12-801948-1.00003-3; ISBN: 978-0-12-801948-1, Chapter – 14: 225 – 234.

4. **YogeshKumar, J. S.,** S. Geetha, C. Raghunathan, and K. Venkataraman, 2014. *An assessment of faunal diversity and its conservation in shipwrecks in Indian seas*. “Marine Faunal Diversity in India, Taxonomy, Ecology and Conservation”, Krishnamoorthy Venkataraman and Chandrakasan Sivaperuman (Eds.). Elsevier’s Science and Technology Rights Department in Oxford, UK. DOI: 10.1016/B978-0-12-801948-1.00003-3; ISBN: 978-0-12-801948-1, Chapter - 25: 441 – 452.
5. **YogeshKumar J.S.,** Geetha S. and Sornaraj R. (2013). *Diversity and distribution of reef fishes in Gulf of Mannar Islands, India*. In K.Venkataraman., C.Sivaperuman, C. Raghunathan (eds.) *Ecology and Conservation of Tropical Marine Faunal Communities*. ISBN 978-3-642-38199-7, Springer, 297- 310.

NUMBER OF MANUSCRIPT PUBLISHED - 38

- **2018 published manuscript - 3**
 1. **YogeshKumar, J. S.,** Geetha, S., Raghunathan, C. and Sornaraj, R. (2018) Diversity and distribution of gorgonians (Octocorallia) in the Long Island and it’s adjacent areas in Middle Andaman, India. *Indian Journal of Geo Marine Sciences* 47(1): pp. 96-102.
 2. **YogeshKumar, J. S.,** Geetha, S., Raghunathan, C. and Sornaraj, R. (2018). A note on shallow water octocorallia from Nicobar Islands, India. *Indian Journal of Geo Marine Sciences* 47(1): pp. 60-66.
 3. Marimuthu, N., Verma, A. K., **YogeshKumar, J.S.,** Adhavan, D. and Ch. Satyanarayana. (2018). Integrated coastal zone Management Project funded coral restoration processes in the Gulf of Kachchh-A present scenario. . *Indian Journal of Geo Marine Sciences* 47(1): pp. 15-19.
- **2017 published manuscript - 4**
 4. **YogeshKumar, J.S.,** Satyanarayana, Ch., Venkataraman, K. and Chandra K. (2017). Studies on survival and growth rate of transplanted Acroporidae in Gulf of Kachchh Marine National Park, India. *Journal of Coastal Conservation* 21 (1): 23-34.
 5. **YogeshKumar, J.S.,** Satyanarayana, Ch., Venkataraman, K., Beleem, I.B., Arun, G., Chandran, R., Ramkumaran, K. and Kamboj, R.D. (2017). Coral reefs transplantation and restoration experience in Pirotan Island, Marine National

- Park, Gulf of Kachchh, India. *Indian Journal of Geo Marine Sciences*, 46(2): 299-303.
6. **YogeshKumar, J.S.**, Satyanarayana, Ch. And Venkataraman, K. (2017). A new scleractinian coral *Lobophyllia hemprichii* (Family: Mussidae) reported first time from the Marine National Park, Gulf of Kachchh, India. *Indian Journal of Geo Marine Sciences*.46 (4) pp. 738-741.
 7. Marimuthu, N., **YogeshKumar, J.S.**, Raghunathan, C., Vinithkumar, N.V., Kirubakaran, R., Sivakumar, K. and Venkataraman, K. (2017). North-South gradient of incidence, distribution and variations of coral reef communities in the Andaman and Nicobar Islands, India. *Journal of Coastal Conservation* (2):289 - 301.
- 2016 Published Manuscript – 1**
8. **Yogesh Kumar, J.S.**, Geetha, S. and Sornaraj R. (2016). Study of the shallow water octocorals from the coast of Gulf of Mannar, India. *Scholars Academic Journal of Biosciences* , 4(11):1045-1053.
- **2015 Published Manuscript – 4**
9. **YogeshKumar, J.S.** and Raghunathan, C. (2015). Check List of Indian Gorgonians with A New Report of *Melithaea variabilis* (Family : Melithaeidae) From **Andaman and Nicobar Island**, India. . *Scholars Academic Journal of Biosciences*, 3(9):804-813.
 10. **Yogesh Kumar. J.S.**, Raghunathan, C. and Venkataraman, K. (2015). *A report on some symbiotic (Crustacea: Decapoda) from the Andaman and Nicobar Islands, India.* . *Scholars Academic Journal of Biosciences*, 3(1B): 113-119.
 11. Ramkumaran, K., **Yogeshkumar, J.S.**, Chandran, R., Arun, G., Satyanarayana, Ch. and Venkataraman, K. (2015). *Biodiversity indices of terrestrial fauna associated with the Gulf of Kachchh Marine National Park – a case study in Pirotan Island.* *Global Journal of Bio-Science and Biotechnology* (ISSN 2250 – 3560).
 12. Chandran, R., **Yogeshkumar, J.S.**, Arun, G., Ramkumaran, K., Satyanarayana, Ch. and Venkataraman, K. (2015). *Re-Colonizing soft corals on the degraded coral reefs of Gulf of Kachchh Marine National Park in India – A positive sign of*

Resilience and Recovery. International Journal of Recent Research in Life Sciences (ISSN 2349-7823), 2 (2) 64-69.

• **2014 Published Manuscript – 10**

13. Ramkumaran, K., Chandran, R., **Yogesh Kumar, J.S.**, Arun, G., Imtiyaz, B., Ruban Prabakaran, J., Satyanarayana, Ch., Venkataraman, K. and Kamboj, R.D., 2014. *Weed Plant (Prosopis Juliflora) Threats to the Biodiversity of Pirotan Island - Gulf of Kachchh Marine National Park, India. IJPAES, 4 (3): 618-620.*
14. Beleem, I.B., **Yogesh Kumar, J.S.**, Satyanarayana, Ch., Venkataraman, K. and Kamboj, R.D. (2014). *Distribution of Marine crabs from the Marine National Park, Gulf of Kachchh. Scholars Academic Journal of Biosciences* (ISSN 2321-6883), 2(7): 419 – 427pp.
15. Raghunathan, C., Raghuraman, R., **Yogesh Kumar, J.S.** and Venkataraman, K. (2014). *Gorgonian diversity of Andaman and Nicobar Islands. International Day for Biological Diversity (Island Biodiversity) Uttar Pradesh State Biodiversity Board, 14 – 22pp.*
16. **Yogesh Kumar, J.S.**, Geetha, S., Satyanarayana, Ch., Venkataraman, K. and Kamboj, R.D. (2014). *Observations on coral diseases in Marine National Park, Gulf of Kachchh. Scholars Academic Journal of Biosciences* ISSN: 2321- 6883, 2(6):370-373.
17. **Yogesh Kumar, J.S.**, Geetha,S., Satyanarayana, Ch., Venkataraman, K. and Kamboj, R.D. (2014). *New Species of soft corals (Octocorallia) on the reef of Marine National Park, Gulf of Kachchh. Journal of Pharmaceutical and Biological Research* ISSN: 2347-8330, 2(1): 50-55.
18. Geetha, S., **YogeshKumar, J.S.** and Sornaraj, R. (2014). *Status of Gorgoniidae (Octocorallia) from the Gulf of Mannar Biosphere Reserve, Tamil Nadu, South India. American Journal of Pharmacy and Health Research* ISSN: 2321-3647, 2 (6) 88 – 97.
19. **Yogesh Kumar, J.S.**, Raghunathan, C. and Venkataraman K. (2014). *New records of Octocorallia (Order: Pennatulacea) from Indian waters. International Journal of Applied Biology and Pharmaceutical Technology* ISSN: 0976-4550, (5) 2; 52-56.

20. **Yogesh Kumar, J.S.**, Raghunathan, C., Geetha, S. and Venkataraman K. (2014). *New species of soft corals (Octocorallia: Alcyonacea) on the coral reef of Andaman and Nicobar Islands. International Journal of Integrative Sciences, Innovation and Technology* eISSN 2278 – 1145, (3) 1, 8-11.
21. **Yogesh Kumar, J.S.**, Geetha, S. and Sornaraj R. (2014). *Seasonal Changes of Sedimentation rates and sediment characteristics status in the Gulf of Mannar coral Island, India. International letter of Natural Science* ISSN 2300-9675, (1) 8-24.
22. **YogeshKumar, J.S.**, Marimuthu N., Geetha S., Satyanarayana C.H., Venkataraman K. and Kamboj R.D. (2014). *Longitudinal variations of coral reef features in the Marine National Park, Gulf of Kachchh. Journal of Coastal Conservation, Springer* – 18:167-175.
- **2013 published manuscripts – 3**
23. Geetha S., **YogeshKumar, J.S.**, and Sornaraj, R. (2013). *Observation of Pennatulacea (Order) From Gulf of Mannar Biosphere Reserve, India. ISSN 2321-6883; Scholars Academic Journal of Bioscience.* 1(6):309-312.
24. **YogeshKumar, J. S.**, Naseef V.T., Thiyagarajan D., Soni Gunjan M., Belim Intiyaz, Govindharajan P., Satyanarayan Ch. and Venkataraman K.(2013). *Observation of endanger marine mammal (Dugong dugon) along the west coast of India. International Journal of Integrative Sciences, Innovation and Technology.* Vol. 2, (1): 55- 58.
25. **YogeshKumar, J.S.** and Geetha S. (2013). *Distribution and new additions to the class: Holothuroidea in the Gulf of Mannar Islands, India. International Journal of Advanced Biological Research.* Vol. 3(1): 116 -122.
- **2012 published manuscripts - 10**
26. **YogeshKumar, J.S.**, Raghunathan C. and Venkataraman K. (2012). *“Observation of Antipatharian corals from the Andaman and Nicobar coast of India” Records of Zoological Survey of India, A Journal of Indian Zoology;* Vol.112 (1), 1-10 p.
27. **YogeshKumar, J. S.** and Geetha, S. (2012). *Fouling communities on ship wreck site in the Gulf of Mannar, India. International Journal of Applied Biology and Pharmaceutical Technology,* (ISSN 0976- 4550), Vol. 3(3), 259 to 264.

28. **YogeshKumar, J. S.** and Geetha, S. (2012). *A new species of Hippocampus montebelloensis (family: Syngnathidae) from the south east coast of India. International journal of Plant, Animal and Environmental Sciences*, (ISSN 2231- 4490), Vol. 2(3) 56-58p
29. **YogeshKumar, J.S.** and Geetha, S. (2012). *Seasonal variations of trace metal accumulation on coral reef in Gulf of Mannar, India. International Journal of Applied Biology and Pharmaceutical Technology*, (ISSN 0976- 4550), Vol. 3(3), 61 – 88.
30. **YogeshKumar, J.S.**, Raghunathan, C. and Venkataraman, K. (2012). *Studies on new findings of Gorgoniidae from Ritchie’s Archipelago Andaman and Nicobar Islands. International Journal of Science and Nature* (ISSN 2229 – 6441), Vol. 3(2), 395-405.
31. **YogeshKumar, J.S.** and Geetha, S. (2012). *Seasonal changes of hydrographic properties in sea water of coral reef Islands, Gulf of Mannar, India. International Journal of Plant, Animal and Environmental Sciences*, (ISSN 2231 – 4490) Vol. 2(2), 135-159.
32. **YogeshKumar, J.S.** and Raghunathan, C. (2012). *Recovery status of scleractinian corals and associated fauna in the Andaman and Nicobar islands. Phuket marine biological Center Research Bulletin, 71: 63–70.*
33. Geetha, S. and **YogeshKumar, J.S.** (2012). *Status of corals (Order: Sclerectinia) and associated fauna of Thoothukudi and Vembar group of Islands, Gulf of Mannar, India. International Journal of Science and Nature*, (ISSN 2229 – 6441), Vol. 3(2), 340-349.
34. Sornaraj, R., **J.S. YogeshKumar**, R. Balasubramanian and S.Subburaman. (2012). *Distribution of Heavy metal Pollution in Punnakayal Coastal Sediments, Southeast Coast of India. Journal of Applied Geochemistry*, (ISSN 0972 – 1967), Special Issue, 1-6.
35. Chandra, K. Raghunathan, C. Sivaperuman, C. Kamala, D. Rajan, P.T. Shah, S.K., Sreeraj, C.R., Sadhukan, K., Mandal, T. **YogeshKumar, J.S.**, Raghuraman, R., Kumarlingam, S., and Rajeshkumar, S. 2012. *Faunal Diversity of Andaman and Nicobar Islands-Threats and Management. ENVIS Newsletter*, vol. no. 18(1&2):2-13.

- **2011 published manuscripts - 2**
36. **YogeshKumar, J.S.**, C R Sreeraj, R Sornaraj, (2011). *Opisthobranchs of the Gulf of Mannar Biosphere Reserve, Tamil Nadu, India. Indian Journal of Fisheries*, 58 (4): 101-104pp.
 37. Padmakumar, K., R.Chandran, **J.S.Yogesh Kumar** and R.Sornaraj. (2011). *Carijoa riisei* (Cnidaria: Octocorallia: Clavulariidae) a newly observed thread to *Gulf of Mannar coral biodiversity? Current Science*. 100 (1):35-37.
- **2010 published manuscripts - 1**
38. **YogeshKumar, J.S.**, R. Sornaraj., N. Gladwin Gnana Asir., V. Madhan Chakkaravarthy and T.S. Christopher Roy. (2010). *Scleractinian Diversity of Keelakarai Group of Islands In Gulf of Mannar Biosphere Reserve, Tamilnadu” International Journal of Biological Science*, (1), 59-66pp.
- **ABSTRACT PUBLISHED - CONFERENCE/ SEMINAR / SYMPOSIUM (8)**
1. Satyanarayana, C., Chandran, R., Chandra, K., Tikadar, S. and **YogeshKumar, J.S.** 2016. Restoration of extirpated Scleractinian corals in turbid environment at Gulf of Kachchh, India – A Success Story. 13th International coral reef Symposium 19-24 June, 2016 at Honolulu, Hawaii. Abstract book (Abstract ID: 28656) 306pp.
 2. **YogeshKumar, J.S.**, Satyanarayana, Ch. And Venkataraman, K. (2016) Recovery status of *Porites compressa* coral in turbid environment from Marine National Park, Gulf of Kachchh. National Seminar on “Life on edge: Concerns, Causes and Conservation”. 18th & 19th February, 2016., 25 pp.
 3. **YogeshKumar, J.S.**, Raghunathan, C. and Geetha, S. (2016). A note on shallow water octocorallia from Nicobar Islands, India. National Seminar on “Life on edge: Concerns, Causes and Conservation”. 18th & 19th February, 2016., 43 pp.
 4. Geetha S., **YogeshKumar, J.S.** and Sornaraj, R. (2016). A note on shallow water Octocorallia from Gulf of Mannar, South East Coast of India. National Seminar on “Life on edge: Concerns, Causes and Conservation”. 18th & 19th February, 2016., 24 pp.
 5. **YogeshKumar, J.S.**, Geetha, S., Sornaraj, R. and Revathi, K. (2012). Diversity and distribution of reef fishes in Gulf of Mannar Islands, India. Proceedings of the

- National conference on Biodiversity assessment, conservation and utilization. 9th to 11th Feb. Pune, 16 pp.
6. **YogeshKumar, J.S.** and C. Raghunathan, C. (2011). Shipwreck as an artificial reef and its comparison with natural reef from, Car Nicobar Island, India. In:R.K. Gautam *et al.*,(Eds.), Book of Abstracts, International Conference on Tropical Island Ecosystem- Issues related to Livelihood, Sustainable development and Climate change. CARI, Port Blair, 140 pp.
 7. Roy, T.S.C., **YogeshKumar, J.S.** and Peter, D.M. (2010). Identification of alternate commercially important lobster species from the waters of Ritchie's archipelago, Andamans. Poster presentation during the International Conference on Recent Advances in Lobster Biology Aquaculture and Management (RALBAM 2010) held at NIOT, Chennai, India from 5th-8th January 2010 (Abstract, p. 87).
 8. **YogeshKumar, J.S.**, C.R.Sreeraj, S.Subburaman and R.Sornaraj. (2010). Shipwreck as artificial reef and it comparison with natural reef from Goa India. National Symposium on Parasite Taxonomy, Biodiversity and Fish health: Environmental impacts March 12-13, 2010.

CERTIFICATIONS AND AWARDS RECEIVED

- **PADI CERTIFIED DIVE MASTER** (DM 494151) – December 2007
- **DST YOUNG SCIENTIST** - 1st June 2013 to 12th July 2016
- **ZSI POST DOCTORAL FELLOW** - July 2016 to April 2017

CERTIFICATE RECEIVED FROM EXTRA CURRICULAR ACTIVITIES

- ❖ **ALL INDIA TREKKING EXPEDITION** at NCC, Goa on 27th November to 10th December 1992.
- ❖ **ANNUAL TRAINING CAMP**, at NCC, Nagamalai, Madurai, Tamil Nadu on 27th September to 6th October 1992.
- ❖ **NCC "A" CERTIFICATE** at Naval Unit NCC, Tuticorin on 1992 to 1993.
- ❖ **BASKET BALL WINNER** in Republic Day Sports at Caldwell Hr. Sec. School, Tuticorin in 1995.

- ❖ **SUMMER LEADERSHIP CAMP** at Pearl City Junior Chamber Space on 5th to 31st May 1994.
- ❖ **SUMMER LEADERSHIP CAMP** at Pearl City Junior Chamber Space on 15th to 30th May 1995.
- ❖ **TRAFFIC SAFETY FORCE** in Tuticorin on 1995 to 1996.
- ❖ **BLOOD DONATION** Certificate of Appreciation from Blood Donor's Club, Kamaraj College, Tuticorin, Tamil Nadu in 2000.
- ❖ **FIRST PRIZE CERTIFICATE** of inter college "**Cooking Competition**" University level at Rose Mary College for Women, Palayamkottai, Manonmaniam Sundaranar University, Tirunelveli on 19th March, 2003.
- ❖ **CRAB AND LOBSTER FATTENING TRAINER**, 2008 Fisheries College, Thoothukudi, Tamil Nadu, India.

SCUBA DIVING SKILLS

- ✓ **Open Water** and **Advance open water** SCUBA., 2006 Barracuda Dive Centre, Goa, India.
- ✓ **Rescue Diver** and Emergency First Responder (EFR), 2007, Goa, India.
- ✓ **Dive Master/ DM - 494151** (PADI), 2007 Barracuda dive Centre, Goa, India.
- ✓ **Coral reef conservation and Awareness Program** on Earth Day at People's Action for Development, Vembar, Tuticorin, Tamil Nadu on April 2007.
- ✓ **Underwater cleaning Awareness Program** on Earth Day at Barracuda Diving India on 27th April 2008.
- ✓ Underwater Photo and Videographer.
- ✓ Underwater benthic assessment using LIT and quadrat.

OTHER PARTICIPATORY SKILLS

- **Participatory Rural Appraisal (PRA)** training and disaster preparedness planning at coastal villages from Rameswaram to Tuticorin and Pondichery coastal villages, People's Action for Development during 2006 to 2009.
- **Early warning and fishing information** – ICT training program, MSSRF and People's Action for Development during 2006 to 2009.
- **Mangrove and Non-Mangrove restoration** at Punnakayal, Vippar and Rochma Nagar completed, People's Action for Development during 2006 to 2009.

TECHNICAL QUALIFICATION

- Soft coral, Hard coral, and Black coral Taxonomical identification
- Live corals transplantation and restoration skill
- Monitoring and linear growth assessment skill
- Marine Mammal identification and monitoring and also tracking skills
- SPSS, PAST, Arc view software's
- Scanning Electron Microscope (SEM)
- PGDCA. 2002 –ICT computer education, Thoothukudi, Tamil Nadu, India.
- Heavy metal analysis of seawater and sediment
- Seawater quality analysis
- Isolation of bioactive compounds from marine organism
- Column Chromatography

Dr. J.S.Yogesh Kumar
Scientist D, ZSI