

## CURRICULUM VITAE



### GENERAL INFORMATION

- a) Name : ANTONY P.J.
- b) Qualifications : M.Sc., M.Phil, Ph.D.,  
NET, UGC Postdoc
- c) Permanent address : Puthiyath House  
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- d) Present working place address : Assistant Professor  
Department of Zoology  
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### PROFESSIONAL AND RESEARCH EXPERIENCE

1. **Assistant Professor** at Department of Zoology, St. Michael's College, Cherthala since August 2012.
2. **Guest Lecturer** at Department of Zoology, St. Michael's College, Cherthala during June 2011 – March 2012.
3. **Senior Research Fellow** at Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai – 608 502, Tamil Nadu, India during August 2002 – July 2005 in project sponsored by Department of Ocean Development, Govt. of India.
4. **Research Fellow** at Centre for Marine Living Resources & Ecology (CMLRE), Ministry of Earth Sciences, VI Floor, C-Block, Kakkanad, Cochin, Kerala, India during July 2008 – May 2009 in project sponsored by Ministry of Earth Sciences, Govt. of India.
5. **Post Doctoral Fellow** at School of Industrial Fisheries, Cochin University of Science and Technology, Fine Arts Avenue, Cochin-16, Kerala during June 2009 – May 2011 with Individual Project sponsored by University Grants Commission.

## PUBLICATIONS IN JOURNALS

1. **Antony P.J.**, M.M. Rahman, M. Rajkumar, Kamaruzzaman Yunus and S. Ajmal Khan 2014. Relative Growth of *Harpiosquilla Raphidea* (Fabricius, 1798) (Crustacea: Stomatopoda) Male and Female from South India. *Sains Malaysiana*. (Accepted for publication).
2. Parameswaran, Usha V., Abdul Jaleel K. U., Sanjeevan V. N., **Antony P. J.**, & Elizabeth John. 2013. Benthic polychaetes off Edward VIII Plateau in the continental shelf of East Antarctica. *Indian Journal of Geo-Marine Science*. 43 (6) MS:2128/12.
3. Gopalakrishnan, A., M. Rajkumar, M. M. Rahman, J. Sun, **P. J. Antony**, B. A. Venmathimaran and J. P. Trilles. 2014. Length–weight relationship and condition factor of wild, grow-out and ‘loose-shell affected’ giant tiger shrimp, *Penaeus monodon* (Fabricius, 1798) (Decapoda: Penaeidae). *J. Appl. Ichthyol.* 30, 251–253.
4. Murugan, S., **P.J. Antony** and S. Ajmal Khan. 2012. Ecological niche of *Mugil cephalus* – an ecopath with ecosim approach in Vellar estuary (Southeast coast of India), *International J. of Pharma and Biosciences* 3(1): 662-676.
5. **Antony P.J.**, S. Dhanya, P.S. Lyla, B.M. Kurup and S. Ajmal Khan. 2010. Ecological role of stomatopods (mantis shrimps) and potential impacts of trawling in a marine ecosystem of the southeast coast of India, *Ecological Modelling* 221: 2604-2614. 10.1016/j.ecolmodel.2010.07.017
6. Eldose P. Mani, B. Ravikumar and **P.J. Antony**. 2008. Impact of physical disturbances on the community structure of estuarine benthic meiofauna in an estuary. *Asian J. of Sci. Res.* 1(3): 239-245.
7. Rajkumar M., **P.J. Antony** and J.P. Trilles. 2006. Length-weight relationship of Asian Seabass (*Lates Calcarifer* Bloch, 1790) from Pichavaram mangrove waters, Southeast coast of India. *Asian Fisheries Science*. Vol. 19: 171-177.
8. Karuppaiyan, M., M. Rajkumar and **P. J. Antony**. 2005. Distribution of echinoderms along the southeast coast of India, *Aquacult.* Vol. 6 (2): 221-227.
9. Lyla P.S, S. Velvizhi, **P.J Antony** and S. Ajmal Khan. 2004. Reproductive strategy of gammarid amphipods in Parangipettai waters (Southeast coast of India), *J. mar. Biol. Ass. India*. Vol. 46 (2): 141-145.
10. **Antony P.J.**, Eldose P Mani, P.S Lyla and S. Ajmal Khan. 2004. Length weight relationship in mantis shrimp *Harpiosquilla harpax* (De Haan) (Crustacea, Stomatopda), *J. Aqua. Biol.* Vol. 19(2): 79-83.

## OTHER PUBLICATIONS

1. Madhusoodana Kurup, B. **Antony P.J.** and Sreedevi, C. 2013. Expected impact of changing climatic parameters on commercial fisheries resource of Kerala coast. **In:** Pearl - Platinum Jubilee Souvenir. Biju Kumar, A, (**ed.**) Department of Aquatic Biology and Fisheries, University of Kerala, Thiruvananthapuram, pp. 33-38.
2. Kurup B. M. and **P.J. Antony.** 2010. Indigenous ornamental fish germplasm inventory of India with reference to the need for a paradigm shift of the industry from wild caught to farmed stock. **In:** Kurup et al. (Ed.), Souvenir, Ornamentals Kerala 2010. Dept. of Fisheries, Govt. of Kerala, 47-59.
3. **Antony P.J.**, B. Ravikumar, P.S Lyla and S. Ajmal Khan. 2006. Socioeconomic status of the fisherfolks in Pazhayar fishing village, India. **In:** Kurup, B.M. and K. Ravindran, 2006, Sustain Fish, School of Industrial Fisheries, CUSAT, 773-780.

## PAPER PRESENTATIONS

1. **Antony P.J.**, B. Madhusoodana Kurup and Sreedevi, C. 2014. Effect of Climate change on fish biology and phenology. – presented at national Seminar on ‘Impact of climate change fish and fisheries’ held at Sree Narayana College, Cherthala during 26<sup>th</sup> and 27<sup>th</sup> June 2014.
2. Elizabeth, J., Asha Devi C. R., Jayalakshmi K. J., Sabu P., Padmakumar K. B., Bhuvanewari V. P., **Antony P. J.** and Sanjeevan V. N., Mesozooplankton distribution in the south western Indian Ocean and Southern Ocean along 57.5°E and 48°E with special reference to pelagic amphipods during late austral summer 2009. –presented at Symposium on Indian Ocean Marine Living Resources held at CMLRE, MoES during 2-3 December, 2010.
3. Bhuvanewari, V. P., Abdul Jaleel, K. U., Elizabeth, J., **Antony, P. J.**, Sanjeevan, V. N. Composition of benthic polychaetes off Edward VIII Plateau in the continental shelf of East Antarctica. –presented at Symposium on Indian Ocean Marine Living Resources held at CMLRE, MoES during 2-3 December, 2010.
4. Eldose, P. Mani, **Antony P.J.**, Lyla, P.S., Ajmal Khan, S. Prediction of demersal fisheries using meiofaunal biomass. –presented at Symposium on Indian Ocean Marine Living Resources held at CMLRE, MoES during 2-3 December, 2010.
5. Dhanya Sethunarayanan, **P.J. Antony** and S. Rajagopal. Maturity and breeding of the alligator pipefish, *Syngnathoides biaculeatus* (Bloch, 1785) from the southeast coast of India. 2010: presented at 20<sup>th</sup> Swadeshi Science Congress held at Central Marine Fisheries Research Institute, Kochi during 6-8 November, 2010.
6. **Antony, P.J.** and B. Madhsoodana Kurup. Possible negative effect of stomatopod (mantis shrimp) discards from shrimp trawlers in India. 2010: presented at symposium Ecosystems

- 2010: Global progress on ecosystem based fisheries management held at University of Alaska, Fairbanks, Alaska, USA during 8-11 November, 2010.
7. Gopalakrishnan, A., M. Rajkumar, Jun Sun, **P.J. Antony**, B. A. Venmathi Maran, J. P. Trilles. Length-weight relationship of wild, grow-out and loose-shell affected giant tiger prawn *Penaeus monodon* (Decapoda: Penaeidae). 2010: presented at the 7<sup>th</sup> International Crustacean Congress (ICC7) held at Institute of Oceanology, Chinese Academy of Sciences, 7 Nanhai Road, Qingdao 266071, P.R. China during 20-25 June, 2010.
  8. Madhusoodana Kurup B. and **P.J. Antony**. Indigenous ornamental fish germplasm inventory of India with reference to the need for a paradigm shift of the industry from wild caught to farmed stock. 2010: presented in Ornamentals Kerala 2010, International seminar on ornamental fish breeding, farming and trade held at Cochin during 13<sup>th</sup> -14<sup>th</sup> February 2010.
  9. **Antony, P.J.** and B. Madhusoodan Kurup. Need and importance of generating vessel log database for the management of coastal fisheries, 2009: p 70.- poster presented in National seminar on Conservation and sustainability of coastal living resources of India held at Cochin during 1<sup>st</sup> – 3<sup>rd</sup> December, 2009.
  10. Shanmugaraj, T., Sundaramurthy, S., Kankara, R.S., Chippy, K., Vinu, J., Shyam, K., **Antony, P.J.**, Thomy, R., Sanjeevan, V.N. and B.R. Subramanian. Status of coral reefs in the Gulf of Katchhh (India), 2008: p 40. – presented in National conference on coral reef ecosystem held at Thoothukudi during 18<sup>th</sup> -19<sup>th</sup> Spetember, 2008.
  11. **Antony P.J.**, B. Ravikumar, P.S Lyla and S. Ajmal Khan. Socioeconomic status of the fisherfolks in Pazhayar fishing village (Southeast coast of India), 2005: p 220. – presented in International Symposium on Sustain fish 2005 held at Cochin during 16<sup>th</sup> -18<sup>th</sup> March, 2005.
  12. **Antony P.J.**, Eldose P Mani, P.S Lyla and S. Ajmal Khan. By-catch utilization Squilla – a non-conventional fishery resource, 2005: p 239. – presented in International Symposium on Sustain fish 2005 held at Cochin during 16<sup>th</sup> -18<sup>th</sup> March, 2005.
  13. Eldose P Mani, **P.J Antony**, P.S Lyla and S. Ajmal Khan, Studies on the abundance and vertical distribution of estuarine benthic meiofauna from a physically disturbed site in the Vellar estuary (Southeast coast of India), 2004: p 43 – presented in National Seminar on Ecological balancing and Sethusamudram Canal held at Thondi campus during 1<sup>st</sup> – 3<sup>rd</sup> October, 2004.

## ONBOARD EXPERIENCE

1. Participated in Cruise No. 216 of FORV Sagar Sampada covering a distance of 1100 nautical miles in the entire east cost of India for 20 days to study the benthic productivity at 200 to 1000 m depth in the Indian EEZ of Bay of Bengal.

2. Participated in ‘**SOUTHERN OCEAN EXPEDITION 2009 TO ANTARCTICA**’ onboard Russian Research Vessel Akademik Boris Petrov for 63 days from 12.02.09 to 14.04.09, to study the biological productivity of the Southern Ocean. Samples were collected for analysing phytoplankton, micro and mesozooplankton and benthos. During the entire cruise stood seaworthy in very rough weather and sea conditions.

## **RESOURCE PERSON**

1. Served as resource person in the Department of Biological Oceanography, Kerala University of Fisheries and Ocean Studies (KUFOS) on 29<sup>th</sup> April, 16<sup>th</sup> and 19<sup>th</sup> May, 2014 to deliver lectures and giving trainings on Ecosystem based fisheries management and Ecopath with Ecosim statistical software for students of M.Sc. Biological Oceanography and Biodiversity.
2. Served as resource person to train the research scholars of Centre of Advanced Study in Marine Biology, Annamalai University.

## **ORGANIZING EXPERIENCE**

1. Performed as organizing **committee member** in conducting State Level Seminar on ‘Lifestyle and Cancer’ on 28<sup>th</sup> June 2012 at St. Michael’s College, Cherthala.
2. Performed as **Committee Member** in organizing Three day Orientation Programme on ‘Informatics’ sponsored by Kerala State Higher Education Council, Thiruvananthapuram, held at St. Michael’s College, Cherthala, Kerala during 24 -26 August, 2011.
3. Performed as **Co-convener** in organizing Two day International Workshop on ‘Towards A Green Fisheries and Aquaculture Economy’- Revisiting Technology, Management and Governance (TAGFAEC) at School of Industrial Fisheries, Cochin University of Science & Technology, conducted under the Seventh Framework Programme of the European Commission Marie Curie Actions – Partnership for Sustainable Shrimp Aquaculture (PASSA) held during 8 - 9 March, 2011.
4. Performed as **Sub-committee Member** in organizing International Seminar on ‘Ornamental Fish Breeding, Farming and Trade’ held at International Hotel, Cochin during 13-15 February, 2010.

## **TRAININGS / WORKSHOPS ATTENDED**

1. One day workshop on ‘Organic farming’ organized by Ashoka Trust for Research in Ecology and Environment (ATREE) on 24<sup>th</sup> August 2013.

2. Two day International Workshop on 'Towards A Green Fisheries and Aquaculture Economy'- Revisiting Technology, Management and Governance (TAGFAEC) organized by School of Industrial Fisheries, Cochin University of Science & Technology, conducted under the Seventh Framework Programme of the European Commission Marie Curie Actions – Partnership for Sustainable Shrimp Aquaculture (PASSA) held during 8 - 9 March, 2011.
3. Indo-European Workshop on 'Waste Management in Aquaculture and Fisheries' (WAMAFISH 2010) organized by School of Industrial Fisheries, Cochin University of Science and Technology, Cochin in association with Università del Salento, Italy and National Institute of Oceanography, Goa held during 10-11 February, 2010.
4. National Training on 'Acoustic Techniques for Fish and Plankton Biomass Estimation' conducted at Centre for Marine Living Resources and Ecology, Ministry of Earth Sciences, Kochi and onboard 'FORV Sagar Sampada' during 23-27 September, 2008.
5. **Winter School** on 'Towards Ecosystem based Management of Marine Fisheries- Building Mass Balance Trophic and Simulation Models' conducted at Central Marine Fisheries Research Institute, Cochin, Kerala during 30.9.2004- 20.10.2004.
6. UGC Workshop on 'Statistical Methods in biology' conducted at Department of Statistics, Annamalai University, Annamalinagar, TamilNadu held during 11-12 March, 2004.

#### **ORIENTATION PROGRAMMES ATTENDED**

1. Orientation Programme on 'Research Methodology in Science' organized by the Research Promotion Council, St. Michael's College, Cherthala and sponsored by Kerala State Higher Education Council, Thiruvananthapuram during 18-19 August, 2011.
2. Orientation Programme on 'General Informatics' organized by the Informatic Centre St. Michael's College, Cherthala and sponsored by Kerala State Higher Education Council, Thiruvananthapuram during 24-26 August, 2011.

#### **SEMINARS/ SYMPOSIA ATTENDED**

1. Two day National seminar on 'Impact of climate change on fish and fisheries' during 26<sup>th</sup> and 27<sup>th</sup> June 2014 at SN College, Cherthala
2. One day Seminar on 'Bioinformatics' on 17<sup>th</sup> December 2013 held at Govt. College, Kottayam
3. National Seminar on Recent advances in Photochemistry' during 5<sup>th</sup> – 6<sup>th</sup> December 2013 held at St. Michael's College, Cherthala
4. Awareness programme on 'Applications of 8 quality management principles and accelerated learning process in educational institution' on 12<sup>th</sup> July, 2013 at Cherthala.

5. International Seminar on 'Climate solutions through sustainable development' on 4<sup>th</sup> December 2012 at St. Michael's College, Cherthala
6. National Seminar on Biodiversity held on 17<sup>th</sup> December, 2010 at School of Marine Sciences, Cochin University of Science and Technology, Cochin.
7. Symposium on Indian Ocean Marine Living Resources held during 2-3 December, 2010 at Centre for Marine Living Resources and Ecology, Ministry of Earth Sciences, Cochin.
8. 20<sup>th</sup> Swadeshi Science Congress held during 6-8 November, 2010 at Central Marine Fisheries Research Institute, Cochin.
9. National Symposium on 'Impact of Climate Change on Aquatic Ecosystems' (NSICCAE 2010) with the theme 'Biodiversity and Climate Change' held during 18-19 February, 2010 at School of Marine Sciences, CUSAT, Cochin-16.
10. International Seminar on 'Ornamental fish breeding, farming and trade' (Ornamentals Kerala 2010) organized by Department of Fisheries, Govt. of Kerala as part of 'India International Aquashow 2010' held during 13-14 February, 2010 at Cochin.
11. International Symposium on 'Improved Sustainability of Fish Production Systems and Appropriate Technologies for Utilization' (Sustain Fish 2005) organized by Cochin University of Science and Technology, held during 16-18 March, 2005 at Cochin.
12. National Symposium on 'Recent Trends in Fisheries Educations and Research' organized by Fisheries College and Research Institute, TamilNadu Veterinary and Animal Sciences University, held on 4<sup>th</sup> December, 2004 at Thoothukudi, TamilNadu.
13. Workshop-cum-discussion and Brainstorming session organized in connection with drafting of 'National Biodiversity Strategy and Action Plan for east coast eco-region of India' held on 24<sup>th</sup> February, 2001 at Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai, TamilNadu.

## **HONOURS AND AWARDS**

1. Food and Agricultural Organization (FAO) has awarded financial grant through Alaska Seagrant for travel to Anchorage, Alaska, USA to present a research paper at 'Ecosystems 2010: Global progress on ecosystem based fisheries management held at University of Alaska Fairbanks during 8-11 November, 2010
2. University Grants Commission (UGC), Govt. of India has awarded Dr. D.S. Kothari Postdoctoral Fellowship for Independent Research on 05.05.2009.
3. Annamalai University has awarded Dr. Rajah Sir M.A. Muthiah Chettiar Silver Jubilee CAS in MB Prize for Second Highest Mark in M.Sc. Coastal Aquaculture at Annamalai University, Annamalainagar, TamilNadu on 05.08.2001.

## **MEMBERSHIP IN AUTHORITIES AND COMMITTEES**

1. Life Time Member of 'Marine Biological Association of India'.
2. Executive member of registered non-governmental organization 'Sustainable Fisheries Research Foundation (SUSFISH)', Muvattupuzha.
3. Committee member for the Faculty of Fisheries of Kerala University of Fisheries and Ocean Studies (KUFOS) from 01.06.2011 onwards for starting UG, PG and Ph.D. programmes, the design of curricular structure, course conduct etc.

## **OTHER TRAININGS ATTENDED**

1. Attended classes and learned 'Simplified Yoga exercises and Meditation practices' taught by Vethathiri Maharishi Foundation held at Centre for Yoga and Meditation Research, Annamalai University, Parangipettai, Tamil Nadu from 12.02.2001 to 12.04.2001.