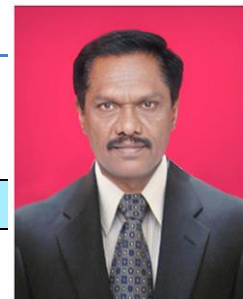




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Resume Details

Personal Information

Name:	Dr. C. KANDEEPAN		
Discipline:	Zoology	Institution:	A.P.A.College of Arts & Culture, Palani
Gender:	Male	Department:	Zoology
Specialization:	Fish Nutrition	Present Position:	Assistant Professor
Address:	No:3 I CROSS., Shanmugapuram, Palani 624 601, Dindigul Dist.Tamilnadu, India	City:	Palani
Email:	kansbiotech@gmail.com ckandeepan@yahoo.co.in	Mobile:	+919150160955, +919976721279
		Res.Phone:	+914545242042

Education History

Year	Degree	Field of Study	Institution/University
1996	PhD,	Animal Science	Madurai Kamaraj University, Madurai.
1990	M.Phil,	Marine Biology & Oceanography	Annamalai University, Annamalai nagar
1989	B.Ed.,	Zoology	Annamalai University, Annamalai nagar.
1988	M.Sc.,	Zoology	Madurai Kamaraj University, Madurai
1986	B.Sc.,	Applied Zoology with Chemistry & Botany	Madurai Kamaraj University, Madurai

Professional Experience

Sl. No.	Classes	College in which taught	From - To	Years	Months	Days
1	Post Graduate	APA College of Arts & Culture, Palani	1-10-2000 to 15-4-2002	1	6	15
2	Under Graduate	APA College of Arts & Culture, Palani	1-10-2000 to 15-4-2002	1	6	15
3	Post Graduate	KSR College of Arts and Science, Tiruchengode	6-6-2003 to 17-6-2004	1	0	11
4	Under Graduate	KSR College of Arts and Science, Tiruchengode	6-6-2003 to 17-6-2004	1	0	11
5	Post Graduate	APA College of Arts & Culture, Palani	21-6-2004 to till date	8	9	19
6	Under Graduate	APA College of Arts & Culture, Palani	21-6-2004 to till date	8	9	19



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Areas expertise

Fish nutrition, Feed technology, Aquatic toxicology

Membership

- INDIAN SCIENCE CONGRESS ASSOCIATION
- International Scientific Association for Probiotics & Prebiotics-Students and Fellows Association
- British Science Association, London.
- Ocean Futures Society, USA
- International Natural Hygiene Society
- World Association of Young Scientists
- Young Professional's Platform for Agricultural Research for Development

Research profile

Areas of research interest and specialization includes aquatic animal nutrition, feed technology, aquaculture systems, fish physiology, aquatic toxicology and freshwater ecosystems. Main research interest is in the nutritional requirements and feeding management of commercially important local freshwater catfish *Mystus vittatus*, *Mystus cavacius*, *Cyprinus carpio* and *Oreochromis mossambicus*. In addition, the use of locally available materials (Chicken intestine waste, Waste silkworm pupae, rice bran & oilcake) as possible



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replacement for fish meal is also of interest whereby studies are conducted in relation to their optimum replacement levels. Other research interests include the influence of mineral (Calcium, Magnesium & Phosphorus) supplementation through practical diets on growth, carcass composition, enzyme activity (GOT, GPT & Lipase), mineral retention and nutrition of fresh water fishes.

List of Research Publications

1. **Kandeepan,C** and P.S.Navaraj, 1990. *Effect of crystal violet Dye Effluent on the Biochemical Constituents of Channa striatus (Bloch). The Second Indian Fisheries Forum Proceedings May 27-31-1990, Mangalore, India p.217-218.*
2. **Kandeepan,C** and K.Balasubramanian, 1992. *Toxicity evaluation of water – soluble fraction, of diesel to Nereis (Polychaetae). J. Ecotoxicol Environ. Monit. 2(2):153-155.*
3. **Kandeepan,C** and K.Balasubramanian, 1993. *Salinity tolerance of Nereis (Ceratoneis) burmensis monro (Annelida: Polychaetae) Environment and Ecology 11(1) : 78-79.*
4. **Kandeepan,C** and K.Balasubramanian, 1993. *Substrate preference of Nereis (Ceratoneis) burmensis monro J. Ecobiol. 5(4) : 307-309.*
5. **Kandeepan,C** and P.S.Navaraj, 1993. *Adaptive changes in respiratory metabolism of an air breathing fish Channa striatus (Bloch) exposed to crystal violet dye effluent. J. Ecotoxicol, Environ. Monit.3 (1): 27-30.*
6. **Kandeepan,C** and K.Balasubramanian, 1998. *Length – weight relationship of a polychaete Nereis (Ceratoneis) burmensis (Monro). J.Mar.Bio. Assoc. India. 39(1&2):197 – 198.*
7. **Kandeepan,C** and S.Arunachalam, 2003. *Phosphorus supplementation to fish diet containing silk worm*



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- pupae as a protein source. Proc., of Int. Sem. Recent Adv. In Bio-Technology, 24th and 25th Feb. 2003 P.R.College, Tanjore. India p.48-55.*
8. **Kandeepan, C** and S.Arunachalam, 2005. Dietary phosphorus requirement of *Oreochromis mossambicus*. *Journal of Ecobiology*. 17(6): 571 – 579.
 9. Poongulali, C and **C.Kandeepan**, 2008. Dietary calcium requirement of the catfish *Mystus vittatus*. *Journal of Ecobiology*. 23(2): 187 – 195.
 10. **Kandeepan, C** and C. Poongulali, 2009. Effect of Endohyper on biochemical constituents of freshwater fish *Mystus vittatus*. *Journal of Natural Science and Technology – Life sciences and Bio-informatics*, 1 : 48 – 53.
 11. **Kandeepan, C** and C. Poongulali, 2009. Dietary Magnesium requirement of *Oreochromis mossambicus*. *Journal of Natural Science and Technology – Life sciences and Bio-informatics*, 1 : 67 – 72.
 12. Meenakshi, S.A, Madumathy, P and **C.Kandeepan**, 2009. DNA Finger printing analysis of heavy metal induced genetic variations in *Oryza sativa*. *Journal of Natural Science and Technology – Life sciences and Bio-informatics*, 1 : 75 – 77.
 13. Muthukumar, P and **C.Kandeepan**, 2009. Effects of diets containing different proportions of chicken intestine waste on growth of *Mystus vittatus*. *Journal of Natural Science and Technology – Life sciences and Bio-informatics*, 1 : 78 – 80.
 14. Meenakshi, S.A, Sugunabai, J and **C.Kandeepan**, 2009. A study of relative binding affinities of matrix metalloproteinase inhibitors using computer aided drug designing. *Online Journal of Biotechnology research*, 1(3):93-95.
 15. Jayakumar, K and **C.Kandeepan**, 2009. Impact of Synthetic insecticides on biochemical constituents of the non-target organism *Bufo Bufo* tadpoles. *J. Ecotoxicol. Environ. Monit.* 19(5):487-495.
 16. Jayakumar, K and **C.Kandeepan**, 2009. Effect of pesticides on growth and oxygen consumption in the tadpoles of *Bufo Bufo* *J. Ecobiol.* 25(2):111-119.
 17. Jayakumar, K and **C.Kandeepan**, 2009. Protein – Carbohydrate ratio in the tadpoles of *Bufo Bufo* as an index of toxic stress. *J. Ecotoxicol. Environ. Monit.* 19(5):487-495.



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18. Muthukumar, P and **C.Kandeepan**, 2009. *Supplementation of four protein percentage to the basal diet of catfish (Mystus cavacius) fingerlings to analyses the optimum level of protein and body composition of fish. J. Aquatic feed science and nutrition. Journal of Aquaculture Feed Science and Nutrition: Volume: 1(4): 84-89*
19. Charulatha.R, S.Prabhakar, S. Puratchimani, P.Sivamani, **C.Kandeepan** and V. Thiagarajan. 2012. *Serotyping of Salmonella strains isolated in and around Madurai, India. INT Journal of Current Science. Vol.3:57-60. 20*
20. Charulatha.R, S.Prabhakar, P.Sivamani, **C.Kandeepan** and V. Thiagarajan. 2012. *Characterization and clinical application of extracellular lipase by microorganisms from soil. INT Journal of Current Science. Vol.3:61-66.*
21. Dhanapal.R, Babitha.J, **Kandeepan.C** and Murugaian. P, 2012. *Testicular Antifertility action of Cassia angustifolia in Male Albino Rates, Adv Bio Tech : 12 (07S):59-62.*
22. **Kandeepan,C.** 2013. *Dietary Magnesium requirement of Mystus vittatus. Int.J.curr.microbiol.App.Sci. 2(5):8-17.*
23. **Kandeepan,C.** 2013. *Dietary Magnesium requirement of Cyprinus carpio Var communis. Indian Journal Of Natural Sciences. Vol.3 (16): 1236-1243*
24. **Kandeepan,C.** 2013. *Dietary Calcium requirement of Oreochromis mossambicus. Int.J.curr.microbiol.App.Sci. (Accepted for publication*



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Specialisation and Special training if any with periods and Subject

Sl. No.	Name of the Training	Place	Period	Sponsor/Conducted by	Specialisation	Application of Training
1	Recombinant DNA Technology	Madurai	21/12/2002 to 31/12/2002	CFBTR, Palkalai Nagar, Madurai	Bio-Technology	Project Guidance to Students
2	International Training course on Bio-Technological Tools in Plant Improvement	KSRCAS, Tiruchengode	7/9/2003 to 20/9/2003	ICRO, EMBO, UNESCO & KSRCAS	Plant Bio-Technology	Improve the Plant Molecular Techniques
3	Sericulture Technology Transfer to Farmers of SC/ST population	Kongunadu Arts and Science College, Coimbatore	29/9/2004 to 30/9/2004	UGC	Sericulture Workshop	Sericulture Technology
4	Workshop on guidance and Counselling	KSRCAS, Tiruchengode	20/10/03 to 22/10/03	Ministry of HRD	Educational and career guidance	Quality improvement programme
5	Workshop on Nano particles	A.P.A. College Palani	12/3/2008	Dept of Chemistry, A.P.A.College, Palani.	Nano particles	Nano technology

Thesis Details

Sl. No.	Name Degree	Title	University/Institution	Year
1	Ph.D.	Mineral supplementation to fish diet on growth and nutrition of freshwater fishes	Madurai Kamaraj University	1996
2	M.Phil.	Studies on an intertidal polychaete <i>Nereis(Ceratonereis) burmensis</i> (Monro) from Vellar Estuary	CAS in Marine biology, Annamalai University	1990
3	M.Sc.	Effect of dye effluent on the respiratory metabolism and the biochemical constituents of the fish <i>Channa striatus</i>	Madurai Kamaraj University	1988



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Research Guidance

List of Research Guidance - M.Phil Degree Awarded

Sl. No	Name of the Candidate	Title of the Dissertation	Year	University
1	G.MATHUBALA	Disappearance of three leaves species placed in bags in a tropical lake.	2007	Bharathidasan University
2	B.VIJAYALAKSHMI	Effective and efficient signature pattern for HIV-1 sub type A and C	2007	Bharathidasan University
3	P.CHITHRA	Decomposition of three types of leaves in Tiruparankundram lake, Madurai	2007	Bharathidasan University
4	K.SUGANYA DEVI	Biomonitoring potential of Aquatic insects of Kodai hill Stream	2007	Bharathidasan University
5	N. KANDHAVEL	Effect of stress on Hematological parameters of Air-breathing Loach, <i>Lepidocephalus thermalis</i> (CUV AND VAL).	2008	Manonmanium Sundaranar University, Tirunelveli.
6	S.NAGARATHINAM	Toxic and sub lethal effects of endohyper on <i>Mystus vittatus</i>	2008	Annamalai University.
7	M.S. MONICA SAHAYA NARMATHA	A Study of Biochemical Characterization of MI-Eng1, A family 5 Endoglucanase secreted by the root-knot nematode <i>Meloidogyne incognita</i>	2008	Vinayaka Missions University, Salem.
8	P. CAROLINEALICE	Preliminary studies on cellulose production by <i>Acinetobacter anitratus</i> and <i>branhamella</i> sp.	2008	Vinayaka Missions University, Salem.
9	R. SANGEETHA	A Study of Cellulolytic fugi and the bio-conversation of fibre from <i>Agave sisalana</i>	2008	Vinayaka Missions University, Salem.
10	A.R. RAJENDRAN	A Study on Proteomic on <i>Plasmodium falciparum</i> erythrocyte membrane protein – Secondary structure prediction 3D structure prediction and molecular modeling.	2008	Vinayaka Missions University, Salem.
11	E. SOBIGARANI	Challenges in Developing successful formulated feed for culture of crustaceans	2008	Vinayaka Missions University, Salem.
12	G.	Drugs from the seas current status and	2008	Vinayaka



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	UMAMAHESHWARI	Microbiological Implications		Missions University, Salem.
13	V. NAGARAJAN	A Study on effect of Medicinal plant extracts on the Antimicrobial sensitivity against Ornamental fish pathogens	2008	Vinayaka Missions University, Salem.
14	A. NIVEDHA	The B-Glucosidase in the gut content of the Snail Achatina energy dependant modification	2008	Vinayaka Missions University, Salem.
15	V. VINITA VINCY	A study on Efficiency of the Earth worm, "Eudrilus eugeniae" in degrading the pollutants in the dye house effluent and enriching the soil.	2010	Vinayaka Missions University, Salem.
16	A. JABARSAHILA	A Studies on The compositional quality of raw cow's Milk produced by some dairy farms in places around Karur	2010	Vinayaka Missions University, Salem.
17	A.LILY SAHAYA MARY	A Studies on Physico-Chemical and Heavy metal Analysis in Orathupalayam dam, Erode District	2010	Vinayaka Missions University, Salem.

Current Research Interest

Effect of Probiotics on Growth, Bio Chemical composition and immunity response on fresh water fishes.

Ph.D Guideship approved

1. Manonmaniam Sundaranar University, Tirunelveli.
2. Madurai kamaraj University, Madurai.



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Conference Attended

Sl.No.	Conference Name	Place	Date
1	Second Indian fisheries Forum	Mangalore	May 27-31,1990
2	International conference& workshop in medical microbiology	MICROLABS - VELLORE	15/06/2008
3	International conference& workshop in Immunological Techniques	MICROLABS - VELLORE	3/01/2010
4	Tamil Science National Conference	M.S. University	Oct 7-8,2010
5	International conference& workshop in Blood banking	MICROLABS - VELLORE	15/4/2012
6	International conference& workshop in Computer Lab Technologists	MICROLABS - VELLORE	14/1/2012
7	State Level Seminar on Biotechnology	YADAVA COLLEGE FOR MEN	01-03-2007
8	International Conference & Workshop in Medical Microbiology	MICROLABS - VELLORE	12-06-2008 to 19-06-2008
9	Recent Advances in Life Sciences	H.H. The Rajah's College, Pudukkotai	28 & 29 December 2011

Subjects taught in the Last seven academic years

Sl. No.	Academic Year	UG LEVEL		PG LEVEL	
		Name of the Course	Name of the Subject	Name of the Course	Name of the Subject
1	2000	BSc.(Zoology)	Genetics	M.Sc.(Zoology)	Bio Physics
2	2001	B.Sc.(Zoology)	Physiology	M.Sc.(Zoology)	Physiology
3	2002	B.Sc.(Zoology)	Cell biology	M.Sc.(Zoology)	Bio-Technology
4	2003	B.Sc.(BioTech)	Molecular Biology	M.Sc.(BioTech)	Animal Cell Science & Technology
5	2003	B.Sc.(BioTech)	Molecular Biology & Genetics	M.Sc.(Bio-Informatics)	Molecular Biology
6	2004	B.Sc.(BioTech)	Animal Biotechnology	M.Sc.(BioTech)	Molecular Biology



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7	Since 2004	B.Sc.(Zoology)	Bio-chemistry	M.Sc.(Zoology)	Molecular Biology of Cell and Gene
8	Since 2004	B.Sc.(Zoology)	Bio-technology	M.Sc.(Zoology)	Bio-technology
9	Since 2004	B.Sc.(Zoology)	Evolution	M.Sc.(Zoology)	Genetics