

Bio-data

DR. JOHN THOMAS K.
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Academic Record:

Sl. No.	Examination passed	Division with % of marks	Subject	Specialization	Year of passing	Board/ University
1	Ph.D.		Zoology	Mammalian Endocrinology and behaviour	1989	Banaras Hindu University, Varanasi
2	M. Sc.	I class; (66.53%) VI Rank in the University	Zoology	Fish and Fisheries	1983	University of Calicut
3	B.Sc.	I (73.7%)	Zoology Chemistry Botany	Zoology	1981	University of Kerala
4	Pre Degree	II	II group	Biology	1972	University of Calicut
5	S. S.L.C.	II (50.8%)-			1970	Board of public examinations Kerala

Awards and Honours

Recipient of Prof. M.M. Ghani Award for Best College Teacher of Calicut University during the academic year 2006-2007

Professional Excellence

Teaching : 22 years (P.G. and U.G.)
Research : 31 years
Research publications : 40 including 17 International publications
Technical training : Training Programme on DNA marker technologies: Principles & applications.
Current area of research : Cognitive Ethology
Ph. D. Produced : Awarded - 5; Ph. D; Research in progress - 1

Personal Information:

- Name : DR. JOHN THOMAS K.
- Address for communication : Kurishinkal house Arthumkal P.O., Cherthala, Alapuzha PIN. 688530
- Religion : Christian
- Date of Birth : 03/11/1954
- Languages Known : Malayalam; English; Hindi
- Sex : Male
- Marital Status : Married
- Nationality : Indian

Appendix 1: Major Research Projects with extramural funding.

Areas of research: Wetland Ecology and Conservation, Behavioural ecology, Cognitive Ethology, Fish Biology, Taxonomy and breeding techniques

No.	Major projects	Funding agency	Fin. Asst.
1.	Environmental control of Spatial and Social learning in fish: Role of the Neural circuitry of Hippocampal pallium and Amygdalar pallium(Completed)	UGC,New Delhi,May 2007	7,82,600/-
2.	Impacts of land use changes on the ecology of Kol wetlands (part of Vembanad –Kol-A Ramsar Site). (Completed)	Ministry of Environ. Forests, New Delhi,May 2007	7,91,430/-
3.	Development of strategies for seed production and enhancement of larval larval survival in Ompok malabaricus and O. bimaculatus.(Completed)	Kerala State Council for Science,Technologyand Environment, Trivandrum. May 2007	4,27,350/-
4.	Studies on seed production and enhancement of larval survival in some indigenous food fishes of Kerala (Completed)	Department of Science and Technology, New Delhi.April 2004	10,07,105/-
5.	Behavioural Ecology of some important food fishes of Kerala (Completed)	UGC; New Delhi, April 2001	3,45,560/-
6.	Muriyad wetlands: Ecological Changes and Human consequences; (Completed)	KRPLLD; CDS; TVM, November 2001-	2,20,000/-
7.	Olfactory control of reproduction in mammals (Completed)	UGC New Delhi May 1992	30,000/-
	Student projects		
1.	Effect of low level aquatic pollutants on the behaviour of some freshwater fishes of Trichur District (Completed)	Science,Technology and Emt. Dept.Govt. Kerala January 1999	5000/-
2.	Influence of pesticides on the behavioural biology of some freshwater fishes (Completed)	Science,Technology and Emt. Dept.Govt. Kerala, January 2001	5000/-

Appendix 2: List of publications

No.	Title of the paper and authors	Name of journal/book	Year
1	Evaluation of Involvement of Coitally induced 'Mnemonic' in male-induced pregnancy block (the Bruce effect in Laboratory mice. John Thomas K. and C. J. Dominic	Indian J. Exp. Biol., 24; 673-675.	1986

2	Male-induced implantation failure (The Bruce Effect) in Laboratory mice: Investigations on the olfactory memory of the newly inseminated female. John Thomas K and C. J. Dominic	Arch. Biol., (Bruxelles) 98: 263-272.	1987
3	Evaluation of the role of the stud male in preventing male-induced implantation failure (the Bruce Effect) in laboratory mice John Thomas K and C. J. Dominic	Anim. Behv. (U.K.) 35; 1257-1260	1987
4	Induction of pseudopregnancy in pregnancy-blocked mice by re-exposure to stud males. John Thomas K and C. J. Dominic	Physiol. Behav. (USA) 41:515-517.	1987
5	Individual recognition of stud male by female mice: Role of pheromones and of the olfactory-vomer nasal systems. John Thomas K and C. J. Dominic	Biol. Behav. (France) 13: 164-174.	1988
6	Failure of familiar male to prevent alien male induced implantation block (the Bruce effect) in laboratory mice. John Thomas K and C. J. Dominic	Indian J. Exp. Biol. 27: 996-997.	1989
7	Failure of immediate post copulatory exposure to alien males to induced implantation block (the Bruce effect) in Laboratory mice. John Thomas K and C. J. Dominic	Biol. Behav. (France) 14: 290-296.	1989
8	Effect of lead on the behaviour of <i>Oreochromis mossambicus</i> . Sindhu N.V. and K. John Thomas	J. Ecotoxicol. Environ, Monit. 12 (3): 167-175.	2002
9	The climbing perch (<i>Anabas testudineus</i> Bloch), a freshwater fish, prefers larger unfamiliar shoals to smaller familiar Shoals. Binoy V.V. and K. John Thomas.	Current Science, Vol, 86: No.1, 207-211	2004
10	Metamorphosis of Muriyad Kayal within Vembanad-Kol wetland system due to human intervention. Sreekumar S. and K. John Thomas	Nature Environment and Pollution Technology, Vol, 3: No.2, 179-184.	2004.
11	The influence of dicofol on the behaviour of the climbing perch, <i>Anabas testudineus</i> . Binoy, V.V., Nishitha Job and K. John Thomas	Indian Journal of Fisheries 51, No. 3, pp.345-351	2004
12	The influence of Methyl parathion (Metacid) on the behaviour of the climbing perch (<i>Anabas testudineus</i> Bloch). Binoy V.V., Smitha Menon and K. John Thomas	Pollution Research 24 (2): 253-259	2005
13	Mate selection in the Siamese fighting fish John Thomas K., V.V. Binoy and Geo Baby	J. Ecobiol. 17 (6) 537-544	2005
14	Macrophytes of Muriyad wetlands: Ecological role in relation to rice cultivation and fishing. Sanilkumar M.G. and K. John Thomas	In: Aquatic Ecosystems, Conservation and Restoration . T.V. Ramachandran Ahalya and C. Rajasekara Murthy (eds.) pp. 174-179. Capital Publishing company New Delhi (Book)	2005
15	Impacts of developmental interventions on the ecology and fish diversity of Muriyad wetland (Trissur, Kerala). John Thomas K., S. Sreekumar and K. Subhash Babu.	In: Aquatic Ecosystems, Conservation and Restoration . T.V. Ramachandran Ahalya and C. Rajasekara Murthy (eds.). pp.180-187 Capital Publishing company, New Delhi (Book)	2005
16	Climbing perch (<i>Anabas testudineus</i> Bloch) recognizes members of familiar shoals. Binoy V.V. and K. John Thomas	Current Science, Vol. 90 No.3. 288-289 10 February	2006
17	Observations on the morphological abnormalities in the larvae of some freshwater fishes. Teji K.T. and K. John Thomas	Indian J. Fisheries. 53 (3): 353-358	2006

18	Diversity and seasonal variation of algae in muriyad wetland (part of Vembanad –Kol wetlands-A Ramsar site). Sanilkumar M.G. and K. John Thomas	J. Econo. Taxon. Bot. 30: 656-666	2006
19	Freshwater cladocera (Crustacea; branchiopoda) from Muriyad wetlands, Trichur, Kerala Subash Babu K.K. and K. John Thomas	In: Perspectives in animal ecology and reproduction. Eds. V.K. Gupta and Anil K.Verma pp.35-52. Daya Publishing house New Delhi(Book)	2007
20	Fringe plants of muriyad wetlands (Part of Vembanad-Kol Ramsar Site) and its economic importance. Sanilkumar M.G. and K. John Thomas.	J. Econo. Taxon. Bot. 31: 123-132	2007
21	Nuptial colouration and courtship behaviour during induced breeding of the swamp barb <i>Puntius chola</i> , a freshwater fish. Moncey Vincent and K. John Thomas	Current Science ,94: 922-925	2008
22	The influence of hunger on food-stocking behaviour of climbing perch <i>Anabas testudineus</i> . V. V. Binoy and K. John Thomas	Journal of Fish Biology 73, 1053–1057	2008
23	Observations on the foraging behaviour of a subterranean fish <i>Monopterus digressus</i> (Synbranchiformes: Synbranchidae) Moncey Vincent and John Thomas	Ichthyological Research (Japan) 58 (1): 95-98 DOI: 10.1007/s10228-010-0194-y (Springer)	2011
24	<i>Kryptoglanis shajii</i> , an enigmatic subterranean-spring catfish (Siluriformes, <i>Incertae sedis</i>) from Kerala, India Moncey Vincent and John Thomas	Ichthyological Research (Japan) 58 (2): 161–165 DOI 10.1007/s10228-011-0206-6 (Springer)	2011
25	Factors influencing shoaling preference in <i>Puntius sarana subnasutus</i> Jilna Alex & John K Thomas	Current Science 100 (5): 633-634	2011
26	Influence of habitat complexity on route learning among different populations of climbing perch (<i>Anabas testudineus</i> Bloch, 1792) K.K. Sheenaja & K. John Thomas	Marine and Freshwater Behaviour and Physiology DOI:10.1080/10236244.2011.642503	2011
27	The population difference in sequential learning, value transfer ability of climbing perch (<i>Anabas Testudineus</i> -Bloch) K. K. Sheenaja, V. B. Rakesh and K. John Thomas	Advances in Applied Science Research 2 (4):512-520.	2011
28	Effect of early rearing and hatchery enrichment on route learning ability of climbing perch K.K. Sheenaja & K. John Thomas	International Journal of Advanced Research Volume 1, Issue 7, 36-43.	2013
29	Induced breeding and hatchery development of <i>Anabas testudineus</i> (Bloch) K.K. Sheenaja & K. John Thomas	Annals of Basic and Applied Science	2013
30	Heterospecific familiarity in shoaling preferences of <i>Puntius sarana subnasutus</i> Alex N.J. & John Thomas K. J	Indian Journal of Experimental Zoology, India Vol. 17, No.2, pp.273-277	2014
31	Onset of shoaling preference in <i>Puntius sarana subnasutus</i> Alex N.J. & Thomas K. J.	International Journal of Education and Research Vol. 1 No. 1 pp 1-10	2013
32	Influence of genetic relatedness and shoal size on shoaling preferences in juvenile <i>Puntius sarana subnasutus</i> (Hamilton Valenciennes) Alex N.J. & Thomas K. J	Indian Journal of experimental biology Vol. 50 pp 583-586	2012
33	Factors influencing shoaling preferences in <i>Puntius sarana subnasutus</i> Alex N. J. & Thomas K. J	Current Science, Vol.100 pp 633-634	2011
34	Influence of turbidity on the shoaling preferences of <i>Puntius sarana subnasutus</i> Alex N. J. & Thomas K. J	Journal of Inland Fishery Society of India, Vol. 43 (2) pp 79-81.	2011

35	Effect of sub-lethal concentration of methyl parathion on the behavioural activities of climbing perch (<i>Anabas testudineus</i> : Bloch). Alex N. J. & Thomas K. J	Advances in applied science research, vol. 2(5) pp 167-172	2011
36	Seasonal variation in behavioural response of a cyprinid fish to a visual signalling trait. Moncey Vincent & John Thomas	<i>Scientia</i> (National, peer reviewed journal) Vol. 8, No. 1: P108-116.	
37	Land use changes, hydrological disturbances, fish ecology and mosquito population outbursts Moncey Vincent & John Thomas	<i>Book: Advances in Environmental Research: an Interdisciplinary Approach</i> Publishers: Excel India, New Delhi, Year 2011 <i>Chapter: 14</i> ISBN 978-93-81361-27-4 P63-66	2011
38	A preliminary survey on the subterranean piscine diversity in Thrissur district, Kerala, India. Moncey Vincent & John Thomas	<i>Book: Recent Advances in Biodiversity of India. Zoological Survey of India, Kolkata 2012 Chapter:38</i> ISBN 978-81-8171-303-02	2012
39	Habitat association and foraging patterns of two small Cyprinid fish species; <i>Chela dadiburjori</i> Menon and <i>Horadandia atukorali</i> Deraniyagala, John Thomas & Moncey Vincent	<i>Book: Recent Advances in Biodiversity of India</i> Publisher: Zoological Survey of India, Year 2012. <i>Chapter: 42</i> ISBN 978-81-8171-303-02	2012
40	Olfactory discrimination, learning and memory in mice, Preeji K. P. and John K. Thomas	<i>Scientia, Scientia</i> (National, peer reviewed journal)	

Experience as Research Guide

Ph.D. Guidance

Approved Research Guide of University of Calicut, Kozhikode

Name of Ph.D. students

Binoy V.V. (Ph. D Awarded) ‘Determinants of decision making in climbing perch, *Anabas testudines*’. 2008

2. **Moncey Vincent** (Ph. D Awarded) ‘Visual and olfactory Perception in the Reproduction of a Cyprinid fish, *Puntius parrah*. 2013

3 **Jilna Alex** (Ph.D. Awarded) ‘Kin recognition and shoaling preferences in *Puntius sarana subnasutus*, (Valenciennes,1842). 2014

4. **Preeji K. P.** (Continuing)

Mahatma Gandhi University, Kottayam

Name of Ph.D.students

1. **Teji K. T.** (Ph. D Awarded) ‘Taxonomy, Reproductive biology and behaviour of Muriyad carplet, *Amblypharygodon melettinus muriyadensis*’. 2010.

2. **Sheenaja K. K.** (Ph. D Awarded) ‘Spatial ,cognition in climbing perch, *Anabas testudineus*, Bloch, 1792)’. 2013

Guidance for Kishore Vyjanik Prostahan Yojana (KVPY)

Research project Instituted by Department of Science and Technilogy, New Delhi. 2006

Name of students participated

1. Ms. Sruthy T.P

2. Avinash T.A (Awarded KVPY Scholarship During the academic year 2006-07).