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- Date of Birth / Sex : 03/11/1954 Male

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

Professional Experience

Sl. No.	Post held	Employer	Grade Pay	Nature of assignment	Period with dates
1	Lecturer	Christ College, Irinjalakuda		Teaching and research Subjects taught: U.G. & P.G. Developmental Biology; Animal Behaviour; Evolution; Ecology	2nd June 1988 – 1998

2	Sel. Grade	Christ College, Irinjalakuda		Teaching and research Subjects taught: U.G. & P.G. Developmental Biology; Animal Behaviour; Evolution; Ecology	1998-1999
3	Associate Professor	Christ College, Irinjalakuda	12000-420-18300 L.P. 24930 (37400-67000) Revised scale	Teaching and research Subjects taught: U.G. & P.G. Developmental Biology; Animal Behaviour; Evolution; Ecology	1999-31st March 2010 (Retired from service on 31 st March '10)
5	Research Guide	MG university and Calicut university		Behavioural ecology and Cognitive Ethology; Wetland Ecology and Conservation	

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 survival in <i>Ompok malabaricus</i> and <i>O. bimaculatus</i> .(Completed)	Kerala State Council for Science, Technology and 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 Env. Dept. Govt. Kerala January 1999	5000/-
2.	Influence of pesticides on the behavioural biology of some freshwater fishes (Completed)	Science, Technology and Env. 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., (Bruxelless) 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	Biol. Behav. (France) 13: 164-174.	1988

	female mice: Role of pheromones and of the olfactory-vomer nasal systems. John Thomas K and C. J. Dominic		
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)	

**Appendix 3:
Presentations/publication in Symposium/seminar proceedings**

1. **Sunny, P.V., Rekha K. Unni and K. John Thomas** (1999) Influence of circadian rhythms on inter-male aggressive behaviour of siamese fighting fish (*Betta splendense*) Proce. of National seminar on Ocean Fish and Fisheries, Irinjalakuda 43-53.
2. **John Thomas K.** (2002). Problems and Prospects of wetland studies in Kerala Proceedings of the National Seminar on 'Ecology and Conservation of Wetlands' Irinjalakuda. 69-75
3. **Sreekumar S. and K. John Thomas** (2002) Geo-Environmental appraisal of Muriyad wetland system, Thrissur South Kole, Kerala. Proceedings of the National Seminar on 'Ecology and Conservation of Wetlands' Irinjalakuda. 92-95
4. **Sanilkumar M.G. and K. John Thomas** (2000) Species diversity of desmids in Muriyad wetlands. Proceedings of the National Seminar on 'Ecology and Conservation of Wetlands' Irinjalakuda. 89-92.
5. **Subhash Babu K.K. and K. John Thomas** (2002) The species diversity of the fish fauna of Muriyad wetlands. Proceedings of the National Seminar on Current Environmental Problems and Management Irinjalakuda. 59-63.
6. **Sanilkumar M. G. and K. John Thomas K.** Macrophytes of Muriyad Wetlands: Ecological Role in relation to Rice cultivation and Fishing. Lake 2002: Symposium on Conservation, Restoration Management of Aquatic Ecosystems. Indian Institute of Science Bangalore. P. 54 (Abstracts) 2002.
7. **John Thomas K., Sreekumar S. and Subhash Babu K.K.** 2002. Impacts of Developmental Intervention on the Ecology and Fish diversity of Muriyad Wetlands (Thrissur, Kerala). Lake 2002: Symposium on Conservation, Restoration Management of Aquatic Ecosystems. Indian Institute of Science, Bangalore. P. 54-54 (Abstracts)
8. **Geo Baby and John Thomas K.** (2003). Male Siamese fighting fish prefer large females with distended belly. Abstracts of 28th Conference of Ethological Society of India. p.14
9. **Binoy V.V. and John Thomas K.** (2003). Factors reducing wandering behavior in climbing perch (*Anabas testudineus*). Proceedings of 28th Conference of Ethological Society of India. p.48.
10. **John Thomas K., Sreekumar S., Subhash Babu K.K., M.G. Sanilkumar and Raju Varghese.** (2003) Emerging trends in land use practices and its implications on the ecology and species diversity of Muriyad wetlands within Vemband- kol Ramsar site. Abstracts of Regional seminar on Ramsar Sites of Kerala, CWRDM, Calicut, 21, February 2003.
11. **Binoy V.V. and K. John Thomas** (2003) Avenues and opportunities in ethology and animal behavioural Sciences. Lectures on Recent trends in Ethology and Behavioural Sciences. p. 13-17.
12. **Binoy V.V. and John Thomas K.** (2005) Comparative analysis of organochloride and organophosphate pesticides on the learning ability and sustained swimming capacity of a fresh water fish. **Abstracts of the Inaugural conference of Indian Society of Toxicology** p.38.

13.Sanilkumar M.G. and John Thomas K. (2005) Traditional medicinal usages of some macrophytes of the Muriyad wetland system, in Vembanad-Kol, Ramsar site, Kerala. Proceeding of the National seminar on Wetland Resources of India. Organized by LAK.

14.Teji K.T. and K. John Thomas (2006) Observations on the morphological abnormalities in the induced bred freshwater fish larvae **Abstracts of the National conference on wetland biodiversity**; Limnological Association of Kerala. P. 38.

15.Moncey Vincent and K. John Thomas (2006) Colours and Patterns of Behaviour during induced breeding of the Swamp Barb *Puntius chola*, a Freshwater fish of Kerala. Extended Abstracts, XVIII Kerala Science Congress PP. 113-114.

16.John Thomas K., S. Sreekumar and Jaya Cheriyan 2002 Muriyad wetlands: Ecological changes and Human consequences. Project report: www.krpcds.org.

17.Adhem Shahin, V.V. Binoy and K. John Thomas (2007) Biofilm formation in *Euglena gracilis*; Influence of Hour of the day and variation of light wave length' in XIX National Symposium on Chronobiology held at Department of Animal Behaviour and Physiology; Abstracts P. 3.

Participation in courses/ seminars/ workshops	12
Training programmes attended	3
Guidance for M. Sc. Projects	21
Guidance for Kishore Vyjanik Prostahan Yojana (KVPY)	2
Co curricular Activities	13

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 testunineus*, Bloch, 1792'. 2013