



**Raja Doraisingam Government Arts College**  
(Affiliated to Alagappa University, Karaikudi)  
Sivagangai - 630561



**FACULTY PROFILE**

- 1. Name** : P.J.Jepa Chandra Mohan
- 2. Father's Nam** : C.Paulraj
- 3. Designation** : Associate Professor
- 4. Age and Date of Birth** : 55, (13.05.1968)
- 5. Gender** : Male
- 6. Address for Communication** : Post Graduate and Research Department of Zoology,  
Raja Doraisingam Government Arts College,  
Sivagangai  
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- 7. Educational Qualification** :



S.No.	Course	University/College	Year of Passing
1.	B.Sc.,	St.Judes’s College, Thoothoor.	1988
2.	M.Sc.,	Scott Christian College, Nagerkoil	1990
3.	M.Phil.,	Scott Christian College, Nagerkoil	1991
4.	B.Ed.,	Manonmaniam Sundranar University, Thirunelveli	1992
5.	Ph.D.	Manonmaniam Sundaranar University, Thirunelveli	2008

**8. Area of Specialization** : **Molecular Genetics**

**9. Experience :**

S.No.	Name of Organisation	From	To	Year of Experience
1	JRF -Fisheries College and Research Institute, Tuticorin,Tamil Nadu Veterinary and Animal Sciences University	29.1.1994	30.1.1996	2 Years
2	SRF - Fisheries College and Research Institute,	1.2.1996	31.1.1998	2. Years

	Tuticorin, Tamil Nadu Veterinary and Animal Sciences University			
3.	Nesamony Memorial Christian College, Marthandam	22.11.1999	24.12.2007	8 Years two months
4.	Government Arts College, Karur.	26.12.2007	30.6.2008	6. months
5	Raja Doraisingam Government Arts College, Sivagangai.	1.07.2008	Till Date	16 years

### 1. Publications:

S.No.	Title	Name of the Journal	ISSN / ISBN	Year
1	Standing of whales in Indian Coasts.	Ecoinformatics		2006
2	In -vitro antibacterial perspective of crude leaf extracts of <i>Melia azedarach</i> Linn. against selected bacterial strains.	Ethnobotanical Leaflets 13:254- 258		2009
3	Correlation between the Diversity Manifestation and Phytoplankton Productivity in Pechiparai Reservoir, Kanyakumari District, Tamil Nadu, India. Ethnobotanical Leaflets 13:316-319.	Ethnobotanical Leaflets 13:316-319.		2009
4	Influence of Spatial and Temporal Variations on Phytoplankton Community Structure in Pachiparai Reservoir, Kanyakumari District, TN, India. Ethnobotanical Leaflets 13:249-253.	Ethnobotanical Leaflets 13:249-253.		2009
5	Antimicrobial Activity of Aqueous Extracts of Bark, Root, Leaves and Fruits of	Ethnobotanical Leaflets 12 (15), 1192-92		2009

	Terminalia arjuna Wight			
6	Seasonal variations in the phytoplankton diversity and primary production of Pechiparai reservoir, Kanyakumari.	Journal of Eco biology 26 (4), 319-322		2010
7	Impact of Changes in the microclimatic conditions on species diversity of insectivorous plants at Karungalagudi, Near Madurai.	Journal of Eco biology 25 (4), 329-335		2010
8	Phytoplankton diversity in Pechiparai reservoir, Kanyakumari. Tamil Nadu.	Journal of Eco biology 26 (3),269-272		2010
9	Antifeedant efficacy of <i>Helicoverpa armigera</i> on leaf extracts of selected medicinal plants.	Journal of Eco biology, 25 (3), 263-270		2010
10	Screening of antibacterial activity of <i>Lantana camara</i> against selected poultry pathogens.	World Journal of Pharmaceutical Sciences, 6 (2) 2017 :1146 - 1152.	2278-4357	2017
11	Inhibitory effect of different solventextract of <i>Tecoma stans</i> , <i>Ixon coccinea</i> and <i>Lenata</i> leaves on <i>Pseudomonas aeruginosa</i> and <i>Streptococcus sp.</i> of cattle pathogens.	World Journal of Pharmaceutical Sciences,Vol 6 (2) :1219 – 1228.	2278-4357	2017
12	Impact of consanguinity on Deafness and Epilepsy.	JAC Journal of Science, Humanities and Management Vol 5(1): 196-200.	2347-9868	2017
13	Influence of cognate marriage on hyperopia.	JAC Journal of Science, Humanities and Management Vol 11(1): 180-185.	2347-9868	2017
14	Inheritance of Diabetes Mellitus, Hearing Impairment and Epilepsy in relation to	Indian Journal of Biology, vol 5(1):16-19	2394-1391	2018

	endogamy.			
15	Impact of kinship on the chosen autosomal anomalies in Sivagangai, Tamil Nadu.	Indian Journal of Public Health Research & Development, Vol 11: 1988-94.	1938-94	2019
16	The pattern of autosomal recessive disorders in endogamy versus exogamy in Sivagangai, Tamil Nadu, India.	Indian Research Journal of Genetics and Biotechnology 10 (02), 257-261.	2249-7498	2019
17	Influence of environmental factors on Human hereditary and malfunctioning anomalies in Sivagangai, Tamil Nadu, India.	Journal of Phytology	2075-6240	2019
18	Status of Variability in micronucleus induction in relation to selected pollutants on <i>Oreochromis niloticus</i> .	Journal of Phytology	2075-6240	2019
19	Impact of <i>Aedes aegypti</i> born disease, dengue on pregnancy outcome in Sivngai	Proceedings of American College, on Emerging Trends in Entomology.		2019
20	A Population bases estimation of the hereditary and environmental factors on cancer	Souvenir on Social stigma and Health Seeking Behaviour of Hansen's Diseases In India.		2019
21	Influence of cognation on hereditary blood pressure anomaly	The scenario of Awareness on Current Biodiversity and The Biodiversity Act- 2002 .		2019
22	Multifactorial Factors Associated with Hereditary and Malfunctioning Anomalies in Sivagangai, Tamil Nadu, India.	Journal of interdisciplinary cycle research, Vol 12 (3):624-630.	0022-194	2020
23	Influence of Maternal Age and Consanguinity on Pregnancy Outcome in Sivagangai, Tamil Nadu, South India.	Uttar Pradesh Journal of Zoology, Vol 42(2):28-33.	0256-971	2021

24	Influence of Intra Familial Relationship on Hypertension among the Population of Sivgangai, Tamil Nadu.	International Journal of Science and Research. Vol 12 (5):2152-2155.	2319-7064	2023
25	The genes and their impact on the expression of Normal Anthropomorphology of face in Paleo Mediterraneans races of Sivagangai	Journal for Basic Sciences. Vol. 23(8):1-12	1006-8341	2023

### 11. Paper Presented in Conferences/ Seminar:

S.NO	Title	Institution	Date & year
1	Water stability of shrimp feed using different binders and their effects on growth and food conversion ratio in shrimps, the National seminar on Shrimp farming.	Fisheries College and Research Institute, Tuticorin.	18 to 19 December 1996.
2	Effect of binders in shrimp feed on a food conversion ratio of shrimp" in Tamilaka Arivial Peravai Fifth Conference, organized	Annamalai University and Sudhesi Arivial Eyakkam, Karaikudi	5/6/1997 – 7/6/1997.
3	Stranding of whales in Indian coasts" Nation seminar	Govindammal Aditanar College, Thiruchendur and Centre for Arts, Science and Technology, Tuticorin	15/12/2006 and 16/12/2006.
4	Meen Valam in Sivagangai District	Tamil Nadu State Science and Technology, Chennai.	6/1/2009 – 10/1/2009.
5	In-vitro efficacy of selected plants(leaves) against pathogenic cattle bacteria	State-level Seminar on Applied Biotechnology, ANJAC, Sivakasi.	29/092015
7	In-vitro efficacy of different solvent extracts of <i>Telcoma Stans</i> , <i>Ixora Coccinea</i> and <i>Aerva lanata</i> (leaves)	State-level Seminar on Applied Biotechnology,	29/092015

	against <i>Pseudomonas arguginosa</i> and <i>Streptococcus</i> sp.	ANJAC, Sivakasi	
8	Antibacterial activity of bioactive compounds in the leaf extracts of selected medicinal plants against <i>Klebsiella pneumoniae</i> and <i>streptococcus</i> sp.	State Level Seminar on Applied Biotechnology ANJAC, Sivakasi.	29/092015
9	Screening of phytochemicals and antibacterial activity of selected plant leaves extracts against <i>Streptococcus aureus</i> and <i>Pseudomonas aeruginosa</i> .	State-level Seminar on Applied Biotechnology, ANJAC, Sivakasi.	29/092015
10	Cognate marriage and its impact on the cancer-A study	One-day national seminar on Awareness of pathogen carriage, prevention and personal health promotion among rural adolescent learners of higher education sponsored by the Indian Council of Medical Research conducted at M.R. Government Arts College, Manargudi.	28.07.2017
11	Influence of consanguinity on Myopia	Intercollegiate Meet at Fathima College, Madurai.	10.10.2017
12	The impact of blood-related marriage on Deafness and Epilepsy	On one day National Conference on Professional Social Work: Look....Beyond the Horizon at Alagappa University, Karaikudi.	26.10.2017
13	The impact of consanguinity on Deafness and Epilepsy.	One day National Seminar at Jayaraj Annapackiam College for women, Theni.	8&9.01.2018
14	Influence of cognate marriage on hyperopia.	One day national Seminar on Jayaraj Annapackiam college for women, Periyakulam.	8&9.01.2018

15	Influence of Environmental Factors on the human hereditary and malfunctioning anomalies in Sivagangai, Tamilnadu, India.	Mega Science congress- MSC 2k19 at Priest University, Madurai campus, Arasanoor, Sivagangai.	12 to 16 <sup>th</sup> February 2019
16	Status of variability in micronucleus induction in relation to selection pollutants on <i>Oreochromis niloticus</i> ( <i>Cichlidae</i> ).	Mega Science congress- MSC 2k19 at Priest University, Madurai campus, Arasanoor, Sivagangai.	12 to 16 <sup>th</sup> February 2019
17	"Influence of cognition on hereditary blood pressure anomaly"	National seminar on Biodiversity Authority, Govt. of India at Islamiah College, Vaniyambadi.	27 <sup>th</sup> and 28 <sup>th</sup> February 2019
18	Impact of <i>Aedes aegypti</i> borne disease - Dengue on pregnancy outcome in Sivagangai.	National conference on Emerging trends in entomology at American College, Madurai.	7 <sup>th</sup> and 8 <sup>th</sup> march 2019
19	Evaluation of the genotoxic effect of lambda-cyhalothrin on <i>Oreochromis mossambica</i> by micronucleus assay.	Government Arts College, Paramakui	20&21 December 2019
20	Dietary enrichment and substantial health protection of edible fishes.	Raja Doraisingam Government arts college, Sivagangi	March 2019
21	Presented paper entitled "A population-based estimation of the Impact of heredity and environmental factors on cancer.	National seminar sponsored by Indian council of medical research on Social stigma and Health seeking Behavior of Hansens Disease in India at Raja Doraisingam Government Arts College, Sivagangai.	March 7 <sup>th</sup> and 8 <sup>th</sup> 2019
22	Genetic basis of Hypertension and their risk factors associated with Consanguinity among the population of Sivagangai, South India.	National level conference on Biotechnology and Omics Sciences 2022 at Alagappa university, Karaikudi.	27.05.2022
	A study on the polygenic gene expression of Labium and Supercilium traits among the	National Conference on Biology Beyond boundaries 2024 at	12.03.2024 & 13.03.2024

	population of Sivagangai.	Thiagaraja College, Madurai.	
	Induction of Micronuclei in peripheral erythrocytes of <i>Puntius sarana</i> by lambda-cyhalothrin pesticide.	National Conference on Biology Beyond boundaries 20-24 at Thiagaraja College, Madurai.	12.03.2024 & 13.03.2024

### 12. Seminar / Conference/workshop / Attended :

S.No	Institution	Date
1	Ono day intercollegiate seminar on Administration and Time management. Personality Development Committee, NM Christian College, Marthandam.	14/9/02.
2	Inter-Collegiate seminar on Vector – Born diseases and their control in India. Scott Christian College, Nagercoil.	27/01/2004
3	One day workshop on coastal studies at college level VOC College, Tuticorin.	06/9/04
4	National seminar on Ecoinformatics. Govindammal Aditanar College for Women, Thiruchendur.	15/12/06 & 16/12/06
5	Nation seminar on Environmental sustainability of Western Ghats of India. N.M. Christian College, Marthandam.	18/08/07
6	Two days State level seminar on Technology of organic farming for rural Development. Alagappa Govt. Arts College, Karaikudi.	25/9/2008 & 26/9/2008
7	National Seminar on Live jewels and Management Techniques. Vevekananda college, Agasteeswaram, K.K.Dist.	12/10/2012
8	Faculty Developmental programme on Personality development, Solamalai College of Engineering, Madurai.	11.09.2017
9	Role of Nuclear energy for sustainable future development and Environmental Safety, R.D. Govt Arts College, Sivagangai.	5/02/1916
10	Recent development in the application of metal complexes in Bioinorganic and Medicinal Chemistry,	14.7.2017 – 15.7.2017



**13. Details of Research Projects: Nil****14. Ph.D Guidance/Supervisorship:**

<b>Name of Scholar</b>	<b>Course</b>	<b>Area of Research</b>	<b>Status</b>
Subalakshmi.T	Ph.D.	(MOLECULAR HUMAN GENETICS)The impact of consanguinity on the selected congenital anomalies.	<b>Awarded Ph.D.</b>
Vijaya. K	Ph.D.	(MOLECULAR HUMAN GENETICS)Impact of inbreeding on intelligence quotient among children of Sivagangai Taluk, Tamilnadu.	Pursuing Ph.D.
Tamilarasan. V	Ph.D.	(HYDROBIOLOGY) Impact of NPK cycle and hydrological factors on biomass production in Navagudi and Kalman Ponds, Madurai, Tamilnadu.	Pursuing Ph.D.
Kalaimathi. G	Ph.D.	(MOLECULAR GENETICS) The impact of selected pesticides on growth ,cytotoxicity and mutagenicity of Oreochromis,mossambicus peters (Cichidae)and poecilia reticulate peters(poecilidae)	Pursuing Ph.D.
Dhivya. P	Ph.D.	(MOLECULAR HUMAN GENETICS)The frequency of endogamy and its effect on adult disease in Sivagangai	Pursuing Ph.D.

**15. Seminar/ Conference/ Workshop Organised:**

<b>S.No</b>	<b>Topic</b>	<b>Institution</b>	<b>Date</b>
1	Middle School Teachers Training camp	R.D. Govt. College, Sivagangai and Tamil Nadu	6/1/2009 – 10/1/2009.
2	Organizing committee member for Science Awareness	R.D. Govt. College, Sivagangai and	09.07.2014 -

	conference for formers and self-welfare groups	Tamil Nadu	10.07.2014
3	Science training camp for School Teachers	R.D. Govt. College, Sivagangai and Tamil Nadu	
4	Role of nuclear energy for sustainable future development and environmental safety	R.D. Govt. College, Sivagangai and Tamil Nadu	05.02.2016.
5	Organizing committee member for the Dengue awareness exhibition	R.D. Govt. College, Sivagangai and Tamil Nadu	
6	International webinar on the importance of Biological Tools for the conservation of Bio-resources.	R.D. Govt. College, Sivagangai and Tamil Nadu	27.04.2020
7	International webinar on Freshwater faunal diversity in India.	R.D. Govt. College, Sivagangai and Tamil Nadu	26.06.2021

## 16. Webinar Attended

Sl.No	Topic And Organizing Institution	Date
1	Indian Epigraphy with reference to Tamil Nadu, Alagappa University, Karaikudi.	15.5.2020-17.05.2020
2.	Proteogenome approaches towards Biomarker discovery, TDMDS College, Tirunelveli.	23.05.2020
3.	International webinar on recent trends in information technology-2020, JJ College of Arts and Science, Pudukkotai.	24.05.2020
4.	Pandemic and their social impacts, L N Govt. College, Ponneri.	25.05.2020
5	Antiviral marine Algae, VOC College, Thoothukudi	27.05.2020
7.	Soft Skills for the 21 <sup>st</sup> century learners, NMC College, Marthandam	28.05.2020
8.	Patents- Basics and in pandemics, Presidency College, Chennai,	31.05.2020

9.	Restructuring of Teacher Education	2.06.2020
10.	Environment and Ecosystem in the existing Covid 19, ANJA College, Sivakasi	2.06.2020
11	DNA finger printing and its applications in Genetics, VOC College, Thoothukudi.	8.06.2020
12	Locust invasion of Indian Agriculture, NMC College, Marthandam	17.06.2020.
13	Biodiversity and Conservation, Govt. Arts College, Udhagamandalam.	26.06.2020

### 17. Orientation/Refresher/FDP/STP/MOOCs Attended

Sl.No	Name of the Programme	University	From	To
<b>Orientation Course</b>	ASC – Madurai Kamaraj University, Madurai.	28	26.12.2007	24.01.2008
<b>Refresher Course</b>	ASC – Madurai Kamaraj University, Madurai.	21	18.11.2010	08.12.2010
	ASC – Madurai Kamaraj University, Madurai.	21	27.11.2015	17.12.2015
	Bharathidasan University, Tirucirapalli.	14	24.02.2021	09.03.2021
<b>FDP / MOOCS</b>	Teaching Learning Centre, Ramanujam College, University of New Delhi.	17	18.05.2020	03.06.2020
<b>FDP</b>	Alagappa University, Karaikudi.	03	26.02.2024	28.02.2024

### 18. Popular Research Articles

1. Kadal Thimingalangal. Thinathanthi Kudumpamalar 13/08/2005:24-26
2. Whale species becoming extinct. Indian Express March 11 /1995.
3. Ambergris of whales is a rare product. Science Reporter 2002

### 19. Book Published

**Aamikal** - By V. Venkataramanujam, K Sanjevi, R. Santhanam & P.J. Jepsa Chandra Mohan. Fisheries College & Research Institute Tuticorin Publication.

## 20. Resource Person:

S.No	Topic	Delivered at	Period
1	Fishery Resources, Middle School Teachers Training camp	. R.D. Govt. College, Sivagangai and Tamil Nadu	6.1.2009 – 10.1.2009
2	Human Health, Science training camp for School Teachers	R.D. Govt. College, Sivagangai, Tamil Nadu	4.2 .2019 -8.2.2019
3	Ornamental Fishes	R.D. Govt. College, Sivagangai, Tamil Nadu	March 7 <sup>th</sup> and 8 <sup>th</sup> 2019
4	Hereditary diseases in Sivagangai	R.D. Govt. College, Sivagangai, Tamil Nadu	March 7 <sup>th</sup> and 8 <sup>th</sup> 2019

## 21. Member of Committees in Various Organizations:

1. Member of Board of Examiners, TNPSC, Chennai.
2. Member of Department Research Committee, PG and Research Department of Zoology, Raja Doraisingam Government College, Sivagangai.
3. Member secretary, Institutional Ethical Committee, Raja Doraisingam Government College, Sivagangai.
4. Member of Board of Examiners, PG and Research Department of Zoology Scott Christian College, Nagercoil.
5. Member of the Board of Examiners, PG and Research Department of Zoology, Ayya Nadar Janakiammal College, Sivakasi.
6. Member of the Board of Examiners, PG and Research Department of Zoology, Sri Kalishwari College, Sivakasi.
7. Member of the Board of Examiners, PG and Research Department of Zoology, Sri Palaniandavar College, Palanai.
8. Member of the Board of Examiners, PG and Research Department of Zoology, Jeyaraj Annapackiam College for Women, Periyakulam.
9. Member of Board of Studies, M.Phil.Zoology Degree Course, Alagappa University Karaikudi.
10. Member of Board of Studies, UG & PG .Zoology Degree Course, Sri Meenakshi Government College, Madurai.
11. External Subject Expert (Zoology) for Screening and Evaluation Committee of CAS, Madura College, Madurai.
12. External Subject Expert (Zoology) for Screening and Evaluation Committee of CAS, Jayaraj Annapackiyam College for Women, Periyakulam

13. External Subject Expert (Zoology) for Screening and Evaluation Committee of CAS,  
Government Arts College, Ramanathapuram.

14. External Subject Expert (Zoology) for Screening and Evaluation Committee of CAS, Lady Doak  
College, Madurai.

*D. Rajkumar*

**(Signature)**