

CURRICULUM VITAE

Dr Manju.V.Subramanian

Vadakkethara Parambil House
Koovapadam, Pallam Lane
Mattancherry PO
Kochi-2
E mail: manjubiju906@gmail.com
manjuvsubramanian@thecoachincollege.edu.in
Mobile - +919495336605



Personal Profile:

A hardworking, self-motivated and responsible biological science post graduate with an articulate, outgoing personality and excellent communication skills who enjoys meeting challenges and seeing them through while remaining confident and good humored under pressure.

Education Profile:

Completed **online course on "Nature-based Solutions for Disaster and Climate Resilience"** developed by the **United Nations Environment Programme (UNEP)** and the **Partnership for Environment and Disaster Risk Reduction (PEDRR)**. Dec 2021

Certificate course: Seven Day Entrepreneurship skill development Online course on Ornamental Fishes organized by Dept. of Zoology, Kongunadu Arts and Science College, Coimbatore. 3rd-9 August.

Certificate course on Weight Management: Beyond Balancing Calories an online non-credit course authorized by Emory University and offered through Coursera, 08/01/2020

Certificate course on COVID-19 Contact Tracing an online non-credit course authorized by Johns Hopkins University offered through Coursera, 20/6/2020.

MA Psychology

IGNOU (2019-23) Counselling Psychology
First Class with distinction.

Ph D Degree in Zoology

Awarded by Mahatma Gandhi University.
(01/10/2011)

2006-'11

Title: "Studies on the effect of Deprenyl on aging cerebellum in Wistar rats"

Specialization

Neurobiology and Aging

Bachelor of education

2002-'03

B Ed in Natural Science,
St Joseph's Training College for Women,
Mahatma Gandhi University, Kerala.
First class (71%)

Master of Science in Zoology

2000-'02

M Sc in Zoology, Maharajas College,
Mahatma Gandhi University, Kerala.

First class (72%)

Specialization

Entomology

Project

*“Food habits of butterflies-A Preliminary study
on food habits of some butterflies of Kochi”.*

Bachelor of science in Zoology

1997-'00

B Sc in Zoology, The Cochin College,
Mahatma Gandhi University, Kerala.

First class with distinction

Specialization

General Zoology (89%)

Project

*“Aqua- cultural importance of Seaweeds of
Tuticorin coast”*

Carrier History:

Research Guide in Zoology- Mahatma Gandhi University (2021-Till Date)

Teaching experience:

- (2015-Till date) Assistant Professor, Department of Zoology, The Cochin College.
- (2014) Guest lecturer in the Department of zoology, The Cochin College, Cochin.
- Taught MSc Zoology
- (2011-2012) Biology Teacher at Gulf Indian High school, Dubai
- Taught students of grade 9th- 12th CBSE.
 - Class teacher of 11th grade
- (2009-2010) Worked as Lecturer in the Department of Zoology, The Cochin College,
- (2003-2006) From 2003 July worked as Guest Lecturer in the Department of Zoology, Sacred Heart College, Thevara.
- (2004-2006) From 2004 Guest Faculty in the Department of Aquaculture
- * Taught Biophysics for M Sc Aquaculture Students

Research experience:

Senior Research Fellow from the year 2006 under the guidance of Dr T J James, Division of Neuroscience and Aging, Dept of Zoology, Sacred Heart College, Thevara.

1. Completed a minor research project sponsored by Kerala State Council for Science, Technology and Environment, Thiruvananthapuram on Histological profile of rat brain focusing on Floccular region and studies on the effect of Deprenyl on Lipofuscin accumulation in rat brain under the investigation of Dr T J James, Principal investigator.
2. Completed a project work on “Cellular Evolution of Brain A study of the histological profile of amphibian brain”
3. Completed some works on “Analysis of heavy metals in the brain of “*Etroplus suratensis* and *Tilapia* consequent to river pollution”
4. Completed some research works on the anti-aging effects of Deprenyl.
5. Mentor from Gulf Indian High School to participate in the orientation workshop as a part of Dubai Children’s Science Congress organized by Friends Of KSSP (Kerala Sasthra Sahithya Parishad) with the guidance and support of Dubai Municipality and approval of KHDA on 14th January 2012.

Community Extension Activities:

1. **Principal Investigator** - KSCSTE-sponsored science popularization programme entitled “BIOMAG 2017-Community based solid & bio waste management project through re-cycling & up-cycling in an adopted ward of Kochi.
2. **Programme Coordinator of Environment Training Programme 2020** sponsored by Kerala State Council for Science Technology & Environment.(KSCSTE)

Presentations:

1. Presented an **Oral presentation** on Effect of Deprenyl on aging Deep cerebellar Neurons - An Anatomical approach at an international conference titled ‘International conference on Alzheimer’s Disease: In Science & Society’ jointly organized by Udbodh Is an initiative of Prajñā – Centre for Neurosciences, CUSAT. Nov 3rd 2019.
2. Presented a **poster** on “The effect of Deprenyl on lipofuscin accumulation in rat brain- A histological approach” in International Conference on Advances in Neuroscience & Annual meeting of Indian Academy of Neuroscience held at Cochin University.2010
3. Presented a **poster** on Analysis of heavy metals in the brain of “*Etroplus suratensis* consequent to river pollution” in International Conference on Neuroscience Updates and Annual meeting of Neurochemistry (India) held at Cochin University of Science and Technology, Dept of Biotechnology, 2009.

Career Development Programmes:

1. **Orientation programme (OR-94)** at Centre for Professional Development in Higher Education, UGC-HRDC, University of Delhi. 9th Oct – 6th Nov.2018.
2. **Winter school** on “Marine nutrients for fighting malnutrition : Recent advances in marine biomolecules for human nutrition and healthcare” organized by ICAR-Central Institute of Fisheries Technology (ICAR-CIFT) at Cochin during 01-21st February,2018.
3. **Workshop on E-content development**, jointly organised by the IQAC The Cochin College and EMMRC, University of Calicut on 29th June, 2019.
4. **MOOC Course** (e-certificate) on Online learning and Content development from 18th April 2020 to 2nd May 2020 organized by Flair Kerala, directorate of Collegiate Education, Kerala.
5. **FDP on Research Methodology**, From October 1st to 11th 2020,Teaching Learning Center , Ramanujan College, University of Delhi, Under the aegis of Ministry of Human Resource Development, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.

Training Programme:

1. Actively participated in ISN, APSN, IBRO and SSCI School on Neurodegenerative Diseases held at Cochin University of Science and Technology, Dept of Biotechnology, 7-11, 2009.
2. Participated and successfully completed the “Training Programme in DNA fingerprinting held at National Bureau of Fish Genomic Resources, Cochin Unit, CMFRI campus (ICAR), during 06 March 2006 to 16 March 2006

Achievements and activities:

	Question Paper Setter for various Universities and Autonomous Colleges
2023	Resource person for Awareness on waste management -Safer Menstrual Practices. Clean My Village -Kodakara organised by planetearth funded by Apollo tyres
2023	General Secretary of Maharaja’s Alumni- Maharajas

	Zoologist. MAAZA. Registered Alumni.
2023	Nodal Officer for Cup of Life Event- a Guinness world record event.
2023	Received certificate of appreciation from Hon Higher education for outstanding contribution towards the Anti Drug Awareness campaign.
2020-23	NSS Programme Officer.
2019-till date	Counselling cell convenor
2020	Resource person for the seminar Sustainability & Changing Life style.
2019	Coordinator of Bhoomitra Sena Club, The Cochin College, Kochi.
2018	Chaired a whole day of EMT-2018 organized by Dept of Botany Maharajas College.
2018	Awarded D D Kosambi Award 2018 by CUBE –Collaboratively Understanding Biology Education, Homi Bhabha Center for Science Education, Tata Institute of Fundamental Research, Mumbai for cultivating scientific temper by remodeling the curriculum.
2017	Shakti Executive -member , Reg. No: 729/11, State Unit of SHAKTI - A National Movement for Women(WOMEN'S WING OF VIJNANA BHARATI).
2016	Member of Zoological society of Kerala.
2015	Joint Secretary of Maharaja's Alumni- Maharajas Zoologist. MAAZA.
2015	Active member in the MG University BSc Zoology Syllabus Revision Committee.

List of Research Publications:

1. **Manju V Subramanian**, James T J and Neena P K. Analysis of heavy metals in the brain of *Etroplus suratensis* consequent to river pollution. (Abstract). In the proceedings of International Conference on Neuroscience Updates and Annual meeting of Neurochemistry. 2009, Pp56-57.
2. **Manju V Subramanian¹ and K.N. Vijayakumari²**. Foraging behavior of butterflies. Bugs R All. Newsletter of the Invertebrate Conservation & Information Network of South Asia, No 17, March 2011.
3. **Manju .V. Subramanian*** and James T.J. Restorative role of Deprenyl on Mitochondrial function of aging rat cerebellum. *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)* e-ISSN: 2278-3008, p-ISSN: 2319-7676. Volume 9, Issue 2 Ver II (Mar-Apr 2014), PP 12-19.
4. James T J, Mariya Soumya Suresh, **Manju V Subramanian**. Effect of Deprenyl on Lipofuscin accumulation in Rat brain- A Histological approach. *Annals of neuroscience*. Vol 15, 2008.
5. James T J, Viji Avarachan and **Manju V Subramanian**. Histomorphological studies of Flocculus of Rat cerebellum. *Millenium Zoology*. Vol 9(1) 2008-2009; 29-31.
6. James T J, Tresamma George and **Manju V Subramanian**. Cellular Study of Amphibian Cerebellum. *Millenium Zoology*. Vol 10(1), 2009-2010: 27-30
7. James T J, Mariya Soumya Suresh, **Manju V Subramanian**. Effect of Deprenyl on Lipofuscin accumulation in Rat brain- A Histological approach. *Indian Journal of Gerontology*. 2009, Vol. 23, No 3, pp 263-270.
8. James T J, Roshini M D and **Manju V Subramanian**. Heavy metal accumulation in brain of fishes consequent to river pollution. *Asian Journal of Water, Environment and pollution*, Vol. 8, No. 2 (2011), pp. 143-146.
9. **Manju V Subramanian** and James T J. Supplementation of Deprenyl attenuates age associated alterations in rat cerebellum. *Molecular biology reports*. 2010, DOI .1007/s11033-010-0017-2.
10. **Manju V Subramanian** and James T J. Age-related protective effect of Deprenyl on changes in the levels of diagnostic marker enzymes and antioxidant defense enzymes activities in cerebellar tissue in Wistar rats. *Cell Stress & Chaperons*. 2010, DOI 10.1007/s12192-010-0177-y
11. **Manju V Subramanian**, James T J and Roshini M D. Heavy metal accumulation in brain of fishes consequent to river pollution. (Abstract) In the proceedings of AGI Conference, 2008.
12. **Manju V Subramanian** , Smitha N R , Vineeth Kumar T V , Sooraj Abraham, Mujeeb Muhammed , Rasheed Ashraf. "BIOMAG - Community Based Solid Waste Management through Re-Cycling and Up-Cycling In an Adopted Ward Of Corporation of Kochi, Kerala, India."

American Journal of Multidisciplinary Research & Development (AJMRD) Volume 2, Issue 12 (December- 2020), PP 01-08 ISSN: 2360-821X www.ajmrd.com Multidisciplinary Journal www.ajmrd.com Page | 1 Research Paper Open Access

13. Kavya Vinayachandran, Arpitha M R, **Manju V Subramanian***, Smitha N R, Vineeth Kumar T V, Princy Varghese Department of Zoology, The Cochin College, Kochi - 682002, KeralaBioscience Discovery, 11(4):239-248, Oct - 2020 © RUT Printer and Publisher Print & Online available on <https://jbsd.in> ISSN: 2229-3469 (Print); ISSN: 2231-024X (Online) Research Article.

Chapters Contributed:

1. Health and Nutrition Published by Zoological Society of Kerala Chapter 1:,Pg No:111-136,ISBN: 9788193962947

Computer skills:

Advanced Certificate in Web Applications

Packages : Ms Excel, Word, Power point, C++, SQL, PLT, MSDE, MSDE, UML, JAVA.

Operating systems: Windows XP, Vista and DOS

Laboratory Techniques:

Colorimetry, Shimadzu-UV-visible spectrophotometer, Microtome, Chromatography and various biochemical and histochemical methods including photography using digital camera attachment with Leica trinocular compound microscope, Image Analyser.

Personal details:

Date of Birth : 2-5-1980
Interests : Drawing, Painting.
Marital Status : Married
Husband's Name : Biju R. J
& occupation : Concept Designer, Dubai.
Father's Name : Late A. Subramanian
& occupation : Rtd Commissioner of Excise.
Mother's Name : Prof C. N Ammukutty
& occupation : Rtd Professor in Botany.
Maharaja's College, Ernakulam.
Driving License : E 3420/99 (Indian Driving License)
Passport No : E 7299408
Languages known : English, Hindi, Malayalam, Tamil
References : 1. Dr T J James,
Rtd Associate Professor,
Sacred Heart College
Thevara-13.
Phone: 9447178494.
james_shcollege@rediffmail.com
2. Dr A K Prema, Rtd HOD of the Zoology Department
The Cochin College,
Koovappadam,
Kochi.
prema_ak@rediffmail.com