



Dr. M. Anusuyadevi Jayachandran
Professor

Contact

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Areas of Research - Molecular Neurogerontology

Academic Qualifications

2007 - 2008	Post-Doctoral Fellow Medical University of South Carolina, USA
2002-2007	Ph.D., Biochemistry Dept. of Biochemistry Dr. ALMPG Institute of Basic Medical Sciences University of Madras Chennai, India.
2000-2002	M. Sc., Biochemistry Department of Medical Biochemistry Dr. ALMPG Institute of Basic Medical Sciences University of Madras Chennai, India.
1997-2000	BSc., Biochemistry Jaya College of Arts and Science, University of Madras Chennai, India

Teaching Experience

2023 – Till Now	Professor Dept. of Biochemistry, Bharathidasan University, Trichy.
2020 – 2023	Associate Professor Dept. of Biochemistry, Bharathidasan University, Trichy.
2012 – 2020	Assistant Professor Dept. of Biochemistry, Bharathidasan University, Trichy.
2008 – 2012	Lecture Dept. of Biochemistry, Bharathidasan University, Trichy.

Additional Responsibilities

Head of the Department (i/c)

- From July 2016 to November 2017
- From July 2018 to January 2019

Research Supervision / Guidance

	Program of Study	Completed	Ongoing
Research	Ph.D.	6	6
	M.Phil.	10	-
Project	PG	56	5
	UG / Others	2	-

Publication Details

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
36	25	5	15	2

Cumulative Impact Factor (as per JCR) :	136.899
Average Impact Factor :	3.3
h-index :	19
i10 index :	23
Total Citations :	1463

Funded Research Projects

Completed Projects

S.No	Agency	Period		Project Title	₹ Sanctioned In Lahks
		From	To		
1.	DST (PI)	2012	2015	Does Sirtuin Proteins attenuate Alzheimer's disease pathogenesis by regulating cholesterol homeostasis? An approach to understand biochemical concept behind AD pathology.	23 L
2.	DBT (PI)	2012	2015	Do mitochondria dysfunction provide possible grounds for Amyloid (A β 42) formation during aging- intervention of sirtuins in counteracting multiple stage pathophysiology with specific reference to AD	13 L
3.	UGC (PI)	2012	2015	Identification of the Intracellular localization of α , β and γ secretase and APP cleavage pattern in young and aged rat brain region: an understanding towards the underlying mechanism behind AD pathology.	13 L
4.	ICMR (Co-PI)	2013	2016	Hyperinsulinemia influences autophagy and mitochondrial biogenesis: A possible mechanism of neuronal ageing.	23 L
5.	SERB (Co-PI)	2018	2021	Assessment of the effect of Aspirin treatment on neuronal stem cell and regulation of hippocampus neurogenesis in the adult brain of the experimental rodents. A non-invasive attempt for the brain regeneration.	52 L

Ongoing Projects

S.No	Agency	Period		Project Title	₹ Sanctioned In Lahks
		From	To		
1.	ICMR (PI)	2019	2022	Experimental study on the effect of ----- ----- ----- for brain regeneration and functional recovery after stroke.	51 L
2.	DST- CSRI (PI)	2020	2023	Investigating the role of resveratrol in regulating ----- ----- in conditions like cognitive impairment during Alzheimer's disease.	52 L
3.	RUSA 2.0 (PI)	2021	2024	Elucidating the role of small compounds like ----- ----- in Rat model for Alzheimer's disease	12 L
4.	DST - WOS (A) (Mentor)	2023	2026	Effect of Eclipta Alba in regulating Abeta..... in the hippocampus of rat model for Alzheimer's Disease(AD)	28 L
5.	ICMR (Co-PI)	2024	2027	Personalized mitochondria..... platform for the treatment of Alzheimer's Disease.	109 L
6.	DST SERB (Co-PI)	2024	2027

Patent

Novel Animal Model to Precisely Imitate the Human Myocardial Infarction.

Application Number : 201941007841.

Patent Number : 484055

Date of Filing : 28/02/2019

Patentee : Dr. K.S. Jayachandran, Dr. Divya Dasagrandhi, Dr. R. Arul Salomee
Kamalabai, **Dr. M. Anusuyadevi**

Distinctive Achievements / Awards

- ✓ Young Faculty Award, VIFFA 2015
- ✓ Young scientist award – DST
- ✓ Young Investigator award - DBT
- ✓ ICMR – SRF for a period of two years while pursuing Ph.D. (2005-2007)
- ✓ Part-Time Tutor under Earn and Learn scheme (2002 – 2003)
- ✓ University RANK “II” – Master’s Degree – University of Madras (2002)
- ✓ University RANK ‘V’ – Bachelor’s Degree – University of Madras (2000)

Events Organized

Number of Seminars / Conferences / Workshops / Events organized: 6

- ✚ Organized an Awareness programme on Alzheimer’s disease **ALZINFO 2011** on September 21, 2011 held at Department of Biochemistry, Bharathidasan University, Trichy -24.
- ✚ Organized **CSIR & DRDO Sponsored Two Days National Conference on “Evolutionary Trends in Biochemistry and Molecular Biology - BIOTRENDZ-2012” & “1st Annual Seminar on Alzheimer’s Disease - ALZINFO-2012”** held on September 20th & 21st 2012 at Bharathidasan University.
- ✚ Organized event on Alzheimer's disease awareness programme **“2nd Annual Programme on Awareness of Alzheimer’s Disease - ALZINFO 2013”** on 25th September 2013 at Department of Biochemistry, Bharathidasan University, Trichy,
- ✚ Organized event on creating awareness on Alzheimer’s disease **ALZINFO-2019** on 23rd October 2019 at Department of Biochemistry, Bharathidasan University, Trichy.
- ✚ Successfully Organized **DST-PURSE sponsored One-day Workshop on “Introductory course on surgical models of Ageing disorders-special emphasis on Brain and Heart”**, 20th December 2021 at Bharathidasan University, Trichy.
- ✚ Organized **“One Week Awareness programme on Alzheimer’s disease Alzinfo2K23”** from 21.09.2023- 27.09.2023 held at Department of Biochemistry, Bharathidasan University, Trichy -24.

Events Participates

Conferences / Seminars / Workshops/Training: 53

- 1) Meher Nisha Abubakkara*, Kesavan Swaminathan Jayachandran, Giri Prashanth, **Muthuswamy Anusuyadevi**, presented poster entitled “Herbomineral Form of *Eclipta Alba* Ameliorates Age-related Dementia And Increases Memory Performance In Animal Models– An Investigation On Multitherapeutic Potential With Specific Insight Into Alzheimer’s Disease” at international conference on 92nd Annual Meet of the Society of Biological Chemists in BITS Pilani, Goa. 2023 December 18th -20th 2023 .
- 2) Surya Kumar*, Swaminathan Jayachandran, Mahesh Kandasamy, **Anusuyadevi Muthusamy** presented poster entitled “Resveratrol promotes adult hippocampal neurogenesis via SIRT1 mediated stabilisation of Wnt/ β catenin pathway on neural precursor cells in Amyloid β 25-35 induced rat model for Alzheimer’s disease” at international conference on 92nd Annual Meet of the Society of Biological Chemists in BITS Pilani, Goa. 18th -20th Dec 2023
- 3) Anitha Rathinam T J*, Dharani G, K S Jayachandran, **Muthusamy Anusuyadevi** presented poster entitled “Neuroprotective potential of *Eclipta alba* against Alzheimer's like dementia. An in silico and in vivo approach” at international conference held at 92nd Annual Meet of the Society of Biological Chemists in BITS Pilani, Goa on 18th -20th December 2023.
- 4) Surya Kumar*, Swaminathan Jayachandran, Mahesh Kandasamy, **Anusuyadevi Muthusamy** presented poster on international conference on Neurodegeneration : Biomarkers and Therapeutic targets entitled Resveratrol attenuates neuroinflammation and promotes learning memory via improved neurogenesis in Amyloid- β 25-35 induced rat model Alzheimer’s disease. held at JSS medical college – Mysore. 11 - 12 Sept 2023
- 5) **Anusuyadevi.M**, invited talk given in the title of THE QUEST FOR BIOMARKERS IN DIAGNOSING NEURODEGENERATIVE DISEASES RELATED TO DEMENTIA at Jamal Mohammad college, Trichy , July 2023
- 6) **Anusuyadevi, M.** as an invitee talked on Biochemists and their opportunities at JJ college of Arts and Science, Pudukottai on July 29, 2022.
- 7) Syed Aasish Roshan*, Jayachandran KS, Mahesh K, **Anusuyadevi, M.** presented a poster entitled “Intermittent hypoxia promotes post strokes recovery in rodent striatum through neurogenesis” at FENS Forum in France from July 3-8,2022.
- 8) **Anusuyadevi, M.** as an invitee presented a lecture entitled "Ageing and Alzheimer's disease - An Overview" conducted by UGC-HRDC, Bharathidasan University, Trichy

on 14 December, 2020.

- 9) **Anusuyadevi, M.** International Conference on Physiological Diseases - 2020 jointly organized by Bharathidasan University, Nanyang Technological University, Bharathiar University and Kalasalingam Academy of Research and Education during 14 & 15, October, 2020
- 10) **Anusuyadevi, M.** as an invitee talked on Biology of Ageing at the Basic Orientation Programme on Gerontology and Senior Citizen Care Management for Social Workers and Caregivers, India at 2020.
- 11) **Anusuyadevi, M.** Participated in the course "MOLECULAR ONCOLOGY AND MODERN TREATMENT STRATEGIES (MOMT-19)" from 18.02 2019 to 22.02.2019 organized by Department of Biochemistry, Bharathidasan University, Trichy-24.
- 12) **Anusuyadevi, M.** , has participated in a one day Author workshop on "How to write an effective manuscript" at Sultan Qaboos University, Oman during 6th *International Workshop on Food and Brain Health* held on 12th Nov 2019.
- 13) **Workshop attended:** Seven Days UGC short term course on "Capacity building of Women Managers in Higher Education organized by the Center for Women's Studied, Bharathidasan University, Trichy - 24 from 24th September to 30th September 2018.
- 14) **Anusuyadevi, M.** , Participated National Science Day Celebration held on 28.02.2018 in Bharathidasan University, Trichy-24.
- 15) **Anusuyadevi, M.**, has delivered invited lecture in workshop on "Hands on training in Cell and Molecular Biology Techniques", sponsor by DST-PURSE, Government of India, New Delhi and organized by Department of Biochemistry, BDU, Trichy-24 during March 14-27, 2018.
- 16) **Anusuyadevi, M.**, has participated UGC-Sponsored Two Day Workshop for Academic Administrators on "Institutional Assessment and Accreditation" on 12th and 13th March 2018.
- 17) Periyasamy.S*, Karthick.C, Sathya.M, **Anusuyadevi, M.**, Mahesh.K, Tamilselvan J , Shanmugapriya S , Jayachandran KS., has presented a poster entitled on "ApoE and associated gene polymorphism as potent biomarkers for identifying dementia among Rural and Tribal population" in National Seminar on "Genetics of Complex Disorders(2018)" organized at the Institute for Communicative and Cognitive Neurosciences (ICCONS) on January 12th and 13th, 2018 at Shoranur, Kerala.
- 18) Moorthi, P*, Gwen Grace, P., Padmashobana, B., Jayachandran, K. S., **Anusuyadevi, M.**, has presented a Paper entitled on "Regional distribution of γ - Secretase subunit Nicastrin (NCT) in the postnatal developmental stages (PND) of rat brain: A special emphasis on hippocampus and cognition" in International conference on Environment, Genes, Health and Diseases (EGHD 2017), organized by Department of Human Genetics and Molecular Biology, Bharathiar University on August 22nd – 24th, 2017 at Coimbatore, India.

- 19) Moorthi, P*, Padmashobana, B., Gwen Grace, P., Jayachandran, K. S., **Anusuyadevi, M.**, has presented a poster entitled on "Age-associated differential expression of ADAM10 in rat brain regions: A report on functional significance of ADAM10 during postnatal developmental (PND) stages" in International conference on Environment, Genes, Health and Diseases (EGHD 2017), organized by Department of Human Genetics and Molecular Biology, Bharathiar University on August 22nd – 24th, 2017 at Coimbatore, India.
- 20) C. Karthick, K.S*. Jayachandran, **M. Anusuyadevi** has presented a Paper entitled on "Resveratrol Prevents Cognitive Decline and Impaired Cellular Homeostasis in β -amyloid (1-42) Induced Rat Model of Alzheimer's Disease" in International conference on Environment, Genes, Health and Diseases (EGHD 2017), organized by Department of Human Genetics and Molecular Biology, Bharathiar University on August 22nd – 24th, 2017 at Coimbatore, India.
- 21) Venkatesh, M. S*, Moorthi, P., Gayathri, K., Karthick, C., Jayachandran, K. S., **Anusuyadevi, M.**, has presented a Paper entitled on "Protective role of Resveratrol on Alzheimer's Disease related proteins in Cerebellum region of the Aged Rat Brain" in National Conference Insights of Genetics in Molecular Medicine (IGMM'17) organized by Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore – 641 046.
- 22) Periyasamy S, Karthick C, Judith Elvina T, K.S. Jayachandran, **M. Anusuyadevi**, has presented a Paper entitled on "Apo E and associated Gene Polymorphism As a Potent Biomarkers identifying the susceptible individuals for Alzheimer's Disease: A Special Report on Rural and Tribal Population of Dharmapuri District" in National Conference Insights of Genetics in Molecular Medicine (IGMM'17) organized by Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore – 641 046.
- 23) C. Karthick, K.S*. Jayachandran, **M. Anusuyadevi** has presented a Paper entitled on "Effect of Resveratrol on Dereglulation of NMDA receptors and down-stream signaling pathway in Amyloid- β (1-42) induced Rats" in National Conference Insights of Genetics in Molecular Medicine (IGMM'17) organized by Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore – 641 046. Won the First Prize for oral presentation.
- 24) Sathya. M*, Premkumar, P., Jayachandran, K. S., **Anusuyadevi, M.**, has presented a paper entitled on "Dysregulation in Cholesterol Homeostasis altered APP cleavage pattern in FAD model: Protective Role of Resveratrol" in 2nd International Conference on Central Nervous System Disorders and Therapeutics to be held at Dubai, UAE, during December 05-07, 2016.
- 25) Venkatesh, M. S., Gayathri, K., Moorthi, P., Sathya. M*, Jayachandran, K. S., **Anusuyadevi, M.**, has presented a poster entitled on "BACE1 expression in post-natal rat brain regions: Where goes wrong?" in 2nd International Conference on Central

Nervous System Disorders and Therapeutics to be held at Dubai, UAE, during December 05-07, 2016.

- 26) Karthick, C*, **Anusuyadevi, M.**, has presented a paper entitled on “ Amyloid beta toxicity induces autophagic flux via sequestosome - 1 mediated alpha 7 nicotinic acetylcholine receptor activation; Role of resveratrol as homeostatic regulator” in “45th Annual meeting of the society for the neuroscience at the McCormick Convention center, Chicago, IL. during 18.10.2015
- 27) **Anusuyadevi, M.**, Moorthi, P., has presented a paper entitled on “Resveratrol Protects The Brain From Sporadic Alzheimer's Disease (SAD) Like Pathology By Reducing Extracellular Accumulation Of Amyloid-Beta Via Alpha-Secretase Activation” in “12th International conference on AD/PD – 2015” held at Nice, France during March 18th – 22nd 2015.
- 28) Moorthi, P., Priyanka, R., **Anusuyadevi, M***. has presented a poster entitled on “Resveratrol Protect Rat Brain From Age-Associated Sequential Pathological Changes In Specific Hippocampal Neuronal Circuits” in “12th International conference on AD/PD – 2015” to be held at Nice, France during March 18th – 22nd 2015.
- 29) Karthick Chennakesavan*, Yuvaraj K G, Sathya Mohan, K. S. Jayachandran and **M. Anusuyadevi** has presented a paper entitled on “Environmental enrichment mitigates cognitive dysfunction and altered cholinergic neurotransmission in ibotenic acid induced adult rats” in National Conference on “Novel approaches in Cognitive and Molecular Neurobiology” on 18th March 2015, organized by department of Medical Biochemistry, University of Madras, Chennai, India.
- 30) Karthick C*, Periyasamy S and **Anusuyadevi M** has presented a Paper entitled on “ β -Amyloid modulates differential gene expression in hippocampus of Adult rats” in National Seminar on “Recent Trends & Future Advances in Life Sciences (RTFALS)-2015”, organized by Department of Life Sciences, School of Basic and Applied sciences, Central University of Tamil Nadu, Thiruvavur, Tamil Nadu, India on 26th and 27th February, 2015. Won the 3rd prize for oral presentation.
- 31) Premkumar, P*, Moorthi, P., Uma, Maheshaari. Nallal., **Anusuyadevi, M.**, has presented a paper entitled on “Age Related Changes In The Expression Pattern Of BACE1 Enzyme In Cortex And Hippocampus Of Rat Brain Provide A Basic Clue For SAD Like Pathology” in National conference on challenges and future prospects of applied research in life sciences held on 6th February 2015, Department of Biochemistry, Bharathidasan University, Tiruchirappalli – 24, Tamil Nadu, India.
- 32) Vasanthi V*, Salomee, Premkumar P, Jayachandran K.S, **Anusuyadevi M** presented poster in “National conference on challenges and future prospects of applied research in life sciences” in Biochemistry, Bharathidasan university, Trichy-24, Tamilnadu, India. 6th Feb 2015.
- 33) Sathya M*, Karthick C, Ramya R and **Anusuyadevi M**, has presented a Poster entitled

"Identification of A β monomers and dimers in CHO cell lines expressing Swedish Mutant (APP)" in National Conference on "Challenges and Future Prospects of Applied Research in Life Sciences (NCCFPARLS -2015)" on Friday, 6th February, 2015 at Department of Biochemistry, Bharathidasan University, Tiruchirappalli, India.

34) Kalaimathi N*, Divya P, Vidya P, Giriprashanth K.G, Jayachandran K.S **Anusuyadevi M**, has presented a poster entitled on "Characterization of *Eclipta alba* (L) using HPLC" in National Conference on "Challenges and future prospects of applied research in life sciences" [NCCFPARLS-2015]" on Friday, 6th February, 2015 at Department of Biochemistry, Bharathidasan University, Tiruchiappalli, India.

35) Premkumar Palanisamy* and **Anusuyadevi Muthuswamy** Presented oral in "International conference on Physiology and Medicine" in Department of Zoology, Periyar University, Salem-636011, Tamilnadu, India. 15th -17th OCT 2014.

36) Moorthi, P*, Priyanka, R., **Anusuyadevi, M.** has presented a paper entitled on "Protective Effects Of Resveratrol On Age Associated Neuropathological Alterations in Schaffer Collateral-Commissural Pathway Of The Rat Hippocampus" in International conference on "Physiology and Medicine - 2014 on 15th - 17th October 2014, Department of Zoology, Periyar University, Salem - 636011.

37) Karthick C* and **Anusuyadevi M** has presented a Poster entitled on "Protective Role of trans-Resveratrol against Ibotenic acid induced memory impairment and altered cholinergic gene expression in Hippocampus of Adult rats" in the International Conference on "Physiology and Medicine-2014", organized by Department of Zoology, Periyar University, Salem-636 011, Tamilnadu on 15th to 17th Oct, 2014.

38) Karthick C*, Premkumar P and **Anusuyadevi Jayachandran M** presented Poster entitled on "Cholinergic effect and therapeutic potential of resveratrol against neurodegeneration and memory impairment induced by ibotenic acid in hippocampus of rat brain" in the International Conference on Neurosciences "Theme: Brain Plasticity and Neurological Disorders" organized by the Department of Zoology, School of Life Sciences, Ravenshaw University, Cuttack, Orissa on 09th - 11th November 2013.

39) Yuvaraj K G*, Karthick C and **M Anusuyadevi Jayachandran** presented Poster entitled on "Environmental Enrichment contraries memory impairment and altered gene expression in ibotenic acid induced Alzheimer's disease rats" in the International Conference on Neurosciences "Theme: Brain Plasticity and Neurological Disorders" organized by the Department of Zoology, School of Life Sciences, Ravenshaw University, Cuttack, Orissa on 09th -11th November 2013.

40) Premkumar P*, Vidhya Palaniappan and **M. Anusuyadevi Jayachandran** Poster

entitled on “Resveratrol promote memory by reducing mitochondrial dysfunction and sphingolipids alteration during aging in rat brain” in the International Conference on Neurosciences “Theme: Brain Plasticity and Neurological Disorders” organized by the Department of Zoology, School of Life Sciences, Ravenshaw University, Cuttack, Orissa on 09th -11th November 2013.

- 41) Karthick Chennakesavan*, Periyasamy Sabapathy, **Anusuyadevi Muthuswamy** has presented a paper entitled “Neuroprotective Effect of Trans-Resveratrol on Ibotenic Acid Induced Rat Model of Alzheimer’s Disease – An Insight into the Biochemical Mechanism of AD” in “Evolutionary Trends in Biochemistry and Molecular Biology- BIOTRENDZ 2012 and 1st Annual seminar on Awareness of Alzheimer’s diseases- ALZINFO 2012” on Sep 20th & 21st 2012, Department of Biochemistry, Bharathidasan University, Tiruchirappalli- 620024.
- 42) **M Anusuyadevi** has participated in National Conference on “Oxidative Stress and Its Complications in Human Health” NCOSH 2011 on 19th-20th, January 2011 in Karunya University, Coimbatore, India.
- 43) P. Premkumar* and **M Anusuyadevi** presented a Poster on “Structure-Based And Ligand Based Virtual Screening Of BACE1 Inhibitors For Alzheimer’s Disease held on 16th-17th Feb 2011 at the “2nd International conference on Bioinformatics and Systems Biology” in Zoology Wing - DDE Annamalai University, Annamalai nagar- 608 002, Tamilnadu, India.
- 44) **M Anusuyadevi** has participated in National Conference on New Frontiers and Current Trends in Biotechnology held on 18th – 19th October 2008, Department of Biochemistry, University of Madras, Chennai, India.
- 45) **Anusuyadevi M** and Panneerselvam C, Reactive nitrogen species upshots formation of tangles in aged rat brain cortex: neuroprotective role of L-carnitine and DL- α - lipoic acid. Emerging Trends in Free Radical and Antioxidant Research, Third Meeting of the Society for Free Radical Research -Asia (SFRR-Asia) & Sixth annual meeting of Society for Free Radical Research-India (SFRR-India), Lonavala, Jan 8-11, 2007.pg.156.
- 46) **Anusuyadevi M** and Panneerselvam C. Role of NGF and BDNF on age associated cognitive decline: Protective role played by L-carnitine and DL-lipoic acid in aged rates. SFRR-India Bulletin, An Official publication of society for free radical research-India. 16th – 18th Jan Vol.5.2006, pp-36.
- 47) **Anusuyadevi M** and Panneerselvam C. Oxidative stress mediated apoptotic cell death during aging of rat brain: Role of L-carnitine and DL- α - Lipoic acid. International symposium on translational research: Apoptosis and Cancer, Trivandrum, India, December 18-21, 2005, pp. 244.
- 48) Thilakavathy T, **Anusuyadevi M** and Panneerselvam C. Immunomodulatory effects of

Levo-carnitine on assessing the status of Humoral Immunity in young and aged rats. 31st Annual conference of Indian Immunology Society- IIS 2004, Center for Biotechnology, Anna University, Chennai. December 15 – 18, 2004, pp. 81.

- 49) **Anusuyadevi M** and Panneerselvam C. Age Associated decline in cognitive function: Role of L-carnitine and DL-a-Lipoic acid. Indian Ageing Congress, 12th Biennial Conference of Association of Gerontology (India), 2nd Annual Conference of Indian Academy of Geriatrics. Organized by All India Institute of Medical Sciences, New Delhi, India. November 5-7, 2004. pp.09.
- 50) **Anusuyadevi M.** “X National conference of the Alzheimer’s and related Disorders society of India”, Chennai Chapter, October 23 – 24, 2004.
- 51) **Anusuyadevi M** and Panneerselvam C. Free radical induced DNA strand breaks in aged rat brain: Potential role of L-carnitine and DL-a-Lipoic acid. International Conference on Natural products, Free radicals and Radio protectors in health and III Annual meeting of SFRR – India, organized by Dept. of Biochemistry, Annamalai University, Chidambaram, January 17 – 19, 2004, pp.161.
- 52) **Anusuyadevi M** and Panneerselvam C. Cosupplementation of L-carnitine and DL- a-Lipoic acid increases acetylcholinesterase activity in aged rat brain. International Conference on Role of free radicals and Anti-oxidants in Health and disease & IInd Annual conference of SFRR – India, organized by C. S. M. Medical University, Lucknow, February 10-12, 2003. pp 169.

Other Training Programs

1. Laboratory Animal Science and Techniques Training Course conducted by National Centre for Laboratory Animal Sciences, National Institute of Nutrition on the title “Current Regulations, Handling, Breeding, Maintenance and Techniques in Laboratory Animal Experimentation” from 06.01.2014 to 10.01.2014

Overseas Exposure / Visits

1. **Post-doctoral Scholar**, Medical University of South Carolina, Dept. of Physiology and Neurosciences, U.S.A. (2007 to 2008)
2. **Anusuyadevi, M***, Moorthi, P., has presented a paper entitled on “Resveratrol Protects the Brain From Sporadic Alzheimer's Disease (SAD) Like Pathology By Reducing Extracellular Accumulation Of Amyloid-Beta Via Alpha-Secretase Activation” in “12th International conference on AD/PD – 2015” held at Nice, France during March 18th – 22nd 2015.
3. **Anusuyadevi, M*** as *Keynote Speaker*, talked on “Recent updates on Alzheimer’s disease” at the *Sixth International Workshop on Food and Brain Health* organized by Sultan Qaboos University, Oman.

Memberships in

Professional Bodies

- ❖ ISTAART Professional Member, Alzheimer's Association
- ❖ Life Member of SBTI (Society for Biotechnology in India)
- ❖ Life member in Alzheimer's & Related Disorders Society of India.
- ❖ Associate member, Indian Academy of Neurosciences
- ❖ Annual member, Society for Neuroscience

Editorial Board

- ❖ *Associate Editor in JAD,*
- ❖ *Reviewer in Frontiers- Aging in Neuroscience*
- ❖ *Reviewer in Neural Regeneration Research*
- ❖ *Reviewer in Cells (MDPI)*
- ❖ *Reviewer in Brain Science*
- ❖ *Reviewer in Sustainability*

Academic Bodies (such as Board of Studies etc.,)

1. Member, University Nominee (Within state), Board of Studies, UG Biochemistry, Tiruvalluvar University, Trichy (2023-till date)
2. Member, Board of Studies, UG & PG Biochemistry, Bharathidasan University, Trichy (2021-till date)
3. University representative, Board of studies, UG & PG Biochemistry, Jamal Mohammad College, Trichy
4. Chairman, Board of Studies, UG & PG Biochemistry, Bharathidasan University, Trichy (2017-2020).
5. Chairman, Board of Studies, M.Phil. Biochemistry, Bharathidasan University, Trichy (2017-2020).
6. Member, Board of studies, UG & PG Biochemistry, Periyar E.V.R college, Trichy.
7. Member, Board of studies, UG & PG Biochemistry, Holy cross College, Trichy.
8. Member, Board of studies, UG & PG Biochemistry, Theivanai ammal College, Villupuram.
9. University representative, Board of studies, UG & PG Biochemistry, Shrimad Aandavar College, Trichy.

10. University representative, Board of studies, UG & PG Biochemistry, H.H. Rajas College, Pudukkottai.
11. University representative, Board of studies, UG & PG Biochemistry, Academic council, Government Arts and Science College, Pudukkottai.

Resource persons in various capacities

Number of Invited / Special Lectures delivered: **15**

Others

1. Articles published in Newspapers / Magazines: 0
2. Products developed: 0
3. No. of PhD Thesis evaluated: **02**
4. No. of M.Phil. Thesis evaluated: **02**
5. No. of PhD Public Viva Voce Examination conducted: 0

6. Sequences submitted in GenBank -

Divya, D., Vidhya, P., Giriprashanth, K. G., Jayachandran, K. S. and Anusuyadevi, M.
Efficacy of Eclipta alba as potent memory enhancer.

Ecliptaalba1matKseq.sqn Ecliptaalba1-mat [KJ512891](#)

****Social Interests and Initiatives**

Survey study among tribal and rural aged population in Dharmapuri district has been conducted and awareness on Alzheimer disease was created among the people every year on WORLD ALZHEIMER's DAY.

Publications

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