

Name : K. J. Dhananjeyan
 Designation : Assistant Professor
 Department : Zoology
 Date of Joining : June 2016
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 dhananjeyan@americancollege.edu.in



Educational Qualification:

DEGREE	SUBJECT	INSTITUTE & PLACE	YEAR COMPLETED
B.Sc.	Biochemistry	Sourashtra College, Madurai-4.	1996
M.Sc.	Biology	Madurai Kamaraj University, Madurai-21	1998
NET	Life Sciences	CSIR-UGC	2001

Work Experience:

INSTITUTE	DESIGNATION	DATE OF JOINING	DATE OF LEAVING
Sourashtra College, Madurai-4.	Lecturer in Biochemistry	23.08.1998	16.07.2000
Department of Biotechnology, Pondicherry University, Pondicherry	Project Fellow	17.07.2000	04.05.2001
Centre for Research in Medical Entomology, (ICMR), Madurai-2	Research Assistant	17.07.2002	31.03.2010
Centre for Research in Medical Entomology (ICMR), Madurai-2	Field Worker	01.04.2010	31.03.2015
Centre for Research in Medical Entomology (ICMR), Madurai-2	Senior Research Fellow	01.04.2015	15.06.2016
Post Graduate & Research Department of Zoology, The American College, Madurai – 2	Assistant Professor	16.06.2016	till date

Specialization in Teaching: Cell Biology, Immunology, Molecular Biology, Developmental Biology, Bioinformatics, Biotechnology.

Specialization in Research: Arbo virology, Molecular taxonomy

Research Interests: Vector biology and Arbovirology

Research Guidance:

- PG academic dissertations guided - 4
- UG group projects guided - 2 batches (10 students)

Membership in Scientific Bodies:

- Life member in Tamil Nadu Science Forum

Academic credentials / Other activities:

- Faculty of Community College – Medical Lab Technology (2016 – 2018).
- External practical examiner in the subject of Bioinformatics in Thiagarajar College.
- External practical examiner in the subject of Molecular Biology in Fatima College.
- External practical examiner in the subject of Cell & Molecular Biology in Sri Meenakshi Government Arts College for Women.
- External practical examiner in the subject of Zoology for Botany in Madura College.
- Served as a reviewer for the bioinformatics journal ‘**International Journal of Computational Bioscience**’.
- Served in ‘Discipline Committee’ during the celebration of 136th College day.
- Served as a nominated member of ‘Board of Studies for Diploma and Advanced Diploma in Medical Laboratory Technology of American College-Community College, for the academic year 2017-18 held on 29.05.2018.
- Served as Jury Member in screening Students’ Science Project presented to Tamil Nadu Science forum.
- Member in NAAC Criterion II team of the college.
- Served as External Examiner for conducting practical examinations to UG & PG students in Madura College, Fatima College, Thiagaraja College, Sri Meenakshi Government Arts College for Women, Sourashtra College

RESEARCH ACHIEVEMENTS

- Established mosquito larval/pupal exuvium and egg shells of mosquitoes as useful sources for the isolation of genomic DNA
- Established *Anopheles pseudosundaicus*, the newly described species by CRME, to be closely related to *Anopheles subpictus* through DNA Barcoding technique using mitochondrial Cytochrome Oxidase gene subunit 1.
- Established *Toxorhynchites tyagii* & *T. dargeelingensis*, the newly described species by CRME, through molecular evidence.

PROJECTS HANDLED: 4

- ✓ ‘Mosquito pupal exuvium: an alternate source of genomic DNA’ as **PI**
 - ☛ ICMR intramural
- ✓ ‘Prediction of 3-D model of the Chikungunya virus envelop protein’ as **PI**
 - ☛ ICMR intramural
- ✓ ‘Molecular identification of dengue and Japanese encephalitis virus vectors using

genomic DNA derived from non-destructive source' as **PI**

☛ ICMR intramural

✓ 'Barcoding of mosquito fauna in the western ghats region' as **Co-I**.

☛ ICMR intramural.

PUBLICATIONS:

Articles in Peer-reviewed Scientific Journals: (International)

1. Paramasivan R, Sivaperumal R, **Dhananjeyan KJ**, Thenmozhi V and Tyagi BK. (2007). Prediction of 3-dimensional structure of salivary odorant-binding protein-2 of the mosquito *Culex quinquefasciatus*, the vector of human lymphatic filariasis. *In Silico Biology* **7**: 1-6
2. Paramasivan R, Philip Samuel P, Thenmozhi V, Rajendran R, Victor Jerald Leo S, **Dhananjeyan KJ**, Krishnamoorthi R, Arunachalam N and Tyagi BK. (2009). Chikungunya virus isolated in Lakhshadweep islands in the Indian Ocean: evidence of the Central/East African genotype. *Japanese Journal of Infectious Diseases* **62**: 67 – 69. (IF: 1.22)
3. **Dhananjeyan KJ**, Sivaperumal R, Paramasivan R, Thenmozhi V and Tyagi BK. (2009). In-silico homology modeling of three isoforms of insect defensins from the dengue vector mosquito, *Aedes aegypti* (Linn., 1762). *Journal of Molecular Modeling* **15(5)**: 507-514. DOI 10.1007/s00894-008-0408-7 (IF: 2.336)
4. Tyagi BK, Hiriyan J, Tewari SC, Ayanar K, Philip Samuel P, Arunachalam N, Paramasivan R, Krishnamoorthy R, **Dhananjeyan KJ**, Victor Jerald Leo S and Rajendran R. (2009). Description of a new species, *Anopheles pseudosundaicus* (Diptera: Culicidae) from coastal Kerala, India. *Zootaxa* **2219**: 49–60 (IF: 0.891)
5. **Dhananjeyan KJ**, Paramasivan R, Tewari SC, Rajendran R, Thenmozhi V, Victor Jerald Leo S, Venkatesh A and Tyagi BK. (2010). Molecular identification of mosquito vectors using genomic DNA isolated from eggshells, larval and pupal exuvium. *Tropical Biomedicine* **27(1)**: 47-53. (IF: 0.581)
6. Sunish IP, Rajendran R, Paramasivan R, **Dhananjeyan KJ** and B. K. Tyagi. (2011). Wolbachia endobacteria in the natural population of *Culex quinquefasciatus* from filariasis endemic villages of south India. *Tropical Biomedicine* **28(3)**: 569-576. (IF: 0.65)
7. Gowri Sankar S, **Dhananjeyan KJ**, Paramasivan R, Thenmozhi V, Tyagi BK and John Vennison. (2011). Evaluation and use of NS1 IgM antibody detection for acute dengue virus diagnosis: report from an outbreak investigation. *Clinical Microbiology and Infection* **18(1)**: e8-e10 (IF: 4.784)
8. Gowri Sankar S, **Dhananjeyan KJ**, Paramasivan R, Thenmozhi V, Tyagi BK and John Vennison. (2013). High-level expression of functionally active Dengue-2 non structural antigen 1 production in Escherichia coli. *BioMed Research International* 2013:343195 (IF: 2.880)
9. Krishnamoorthy R, Munirathinam A, **Dhananjeyan KJ**, Hiriyan J, Mariappan T, Philip Samuel P and Venkatesh A. (2013). Description of a new species, *Toxorhynchites*

- (*Toxorhynchites*) *tyagii* (Diptera: Culicidae), from Nilgiri hills, Western Ghats, South India. *Zootaxa*. 3701(4): 447-459. (IF: 0.974)
10. Gowri Sankar S, Balaji T, Venkatasubramani K, Thenmozhi V, **Dhananjeyan KJ**, Paramasivan R, Tyagi BK, John Vennison S. (2014). Dengue NS1 and prM antibodies increase the sensitivity of acute dengue diagnosis test and differentiate from Japanese encephalitis infection. *Journal of Immunological Methods*. **407**: 116-119. (IF: 2.25)
 11. Tyagi BK, Munirathinam A, Krishnamoorthy R, Baskaran G, Govindarajan R, Krishnamoorthi R, Mariappan T, **Dhananjeyan KJ** and Venkatesh A. (2015). A revision of genus *Toxorhynchites* Theobald, 1901, in the South-East Asian countries, with description of a new species *Toxorhynchites* (*Toxorhynchites*) *darjeelingensis* from West Bengal, India (Diptera, Culicidae). *HALTERES*. **6**: 13-32. (IF: NIL).
 12. Kathiresan E, Paramasivan R, Thenmozhi V, Aparup Das, **Dhananjeyan KJ**, Gowri Sankar S, Victor Jerald Leo S, Rathnapraba S and John Vennison S. (2017). Development and multi-use applications of dengue NS1 monoclonal antibody for early diagnosis. *RSC Advances*. **7**: 1927–1931. (IF: 3.289).

Articles in Peer-reviewed Scientific Journals: (National)

1. Paramasivan R, Thenmozhi V, Hiriyani J, **Dhananjeyan KJ**, Tyagi BK & Dash AP. (2006). Serological & entomological investigations of an outbreak of dengue fever in certain rural areas of Kanyakumari district, Tamil Nadu. *Indian Journal of Medical Research* **123**:697-701 (IF: 1.224)
2. Paramasivan R, Thenmozhi V, Kabilan L, Tewari SC, Arunachalam N, **Dhananjeyan KJ** & Tyagi BK. (2006). Seroepidemiology of a focal outbreak of dengue in Tamil Nadu. *Indian Journal of Medical Research* **124**: 718-720 (IF: 1.224)
3. Paramasivan R, Thenmozhi V, Thangaratham PS, Rajendran R, Tewari SC, **Dhananjeyan KJ**, and B. K. Tyagi. (2010). An outbreak of dengue fever in Tirupur, Coimbatore district, Tamil Nadu. *Indian Journal of Medical Research*. **132**: 105-107 (IF: 1.826)
4. Paramasivan R, **Dhananjeyan KJ**, Victor Jerald Leo S, Muniaraj M, Thenmozhi V, Rajendran R, Tewari SC, Arunachalam N, Varatharaj M, John Victor T, Janshi Charles, Ilango S and Tyagi BK. (2010). Dengue fever caused by dengue virus serotype -3 (subtype-III) in a rural area of Madurai district, Tamil Nadu. *Indian Journal of Medical Research* **132**: 339-342 (IF: 1.826)
5. Muniaraj M, Paramasivan R, Sunish IP, Arunachalam N, Mariappan T, Victor Jerald Leo S and **Dhananjeyan KJ**. (2012). Detection of Wolbachia endobacteria in *Culex quinquefasciatus* by Gimenez staining and confirmation by PCR. *Journal of Vector Borne Diseases* **49**: 258–261 (IF: 1.177)
6. Paramasivan R, **Dhananjeyan KJ** and Selvaraj Pandian R. (2013). A preliminary report on DNA barcoding and phylogenetic relationships of certain public health important mosquito species recorded in rural area in southern India. *Journal of Vector Borne Diseases* **50**: 149-151 (IF: 1.177)
7. Thenmozhi V, Paramasivan R, Philip Samuel P, Kamaraj T, Balaji T, **Dhananjeyan KJ**, Venkatasubramani K, Victor Jerald Leo S, Sathish Babu R, Govindarajan R and Tyagi

- BK. (2013). Japanese encephalitis virus isolation from mosquitoes during an outbreak in Alappuzha district, Kerala in 2011. *Journal of Vector Borne Diseases*. **50**:229-231. (IF: 1.177)
8. Thenmozhi V, Paramasivan R, Philip Samual P, Kamaraj T, Balaji T, **Dhananjeyan KJ**, Venkatasubramaian K and Tyagi BK. (2013). Dual infection in human by Japanese encephalitis virus & chikungunya virus in Alppuzha district, Kerala, India. *Indian Journal of Medical Research*. **138**: 362-363. (IF: 2.061)
 9. Thangaratham PS, Rajendran R, Paramasivan R, Tewari SC, **Dhananjeyan KJ** and Tyagi BK. (2013). Clinical spectrum during dengue haemorrhagic fever epidemics in Tirupur (India). *Journal of Vector Borne Diseases*. **50**: 311–313. (IF: 1.177)
 10. Mariappan T, Muniaraj M, Victor Jerald Leo S, **Dhananjeyan KJ**, Rajamannar V, Tewari SC, Manavalam R, Munirathinam A, Krishnamoorthy R, Philip Samueal P, Paramasivan R, Arunachalam N and Tyagi BK. (2013). Entomological investigation of chikungunya outbreaks in a few sites in Tamil Nadu during 2010. *The National Medical Journal of India*. **26(4)**: 249-250. (IF: 0.595 [2011]).
 11. Venkatasubramani K, Paramasivan R, Thenmozhi V, **Dhananjeyan KJ**, Balaji T and Victor Jerald Leo S. (2015). Diagnosis of Chikungunya dominated co-infection with dengue during an outbreak in south India (2010 and 2012) *Tropical Doctor*. doi:10.1177/0049475515585476.
 12. Thenmozhi V, Balaji T, Selvam A, Venkatasubramani K, **Dhananjeyan KJ**. (2015). A longitudinal study on abundance and infection frequency of Japanese encephalitis vectors in Tirunelveli district, Tamil Nadu, India. *International Journal of Mosquito Research*. **2(3)**: 166-169.
 13. Thenmozhi V, Balaji T, Venkatasubramani K, **Dhananjeyan KJ**, Selvam A, Rajamannar V & Tyagi BK. (2016). Role of *Anopheles subpictus* Grassi in Japanese encephalitis virus transmission in Tirunelveli, South India. *Indian Journal of Medical Research* **144**: 477-81
 14. Bhavna Gupta, K.J. Dhananjeyan¹, S. Victor Jerald Leo, T. Balaji, K. Venkatasubramani, A. Veerapathiran, M. Muniaraj and R. Paramasivan. (2021). Genetic diversity of *Aedes aegypti* (Diptera: Culicidae) in rural and urban settings in Tamil Nadu, India. *Entomon* **46(1)**: 73-80

Article in News Letter:

1. Paramasivan R, **Dhananjeyan KJ**, Rajendran R and Tyagi BK. (2006). Genomic DNA from non-destructive source (insect exuvium) for taxonomic applications. *CRME Newsletter*. **3(2)**: 2-3.

Chapter in Book:

1. **Dhananjeyan KJ**, Paramasivan R, Thenmozhi V, Chandrasekar R and Tyagi BK. (2014). Insect exuvium extracted DNA marker: a good complementary molecular taxonomic characteristics with special reference to mosquitoes. In: Short Views on Insect Biochemistry and Molecular Biology. Eds. Chandrasekar R, Tyagi BK, Gui ZZ and Reeck GR. Vol. I. pp355-361. International Book Mission©, Academic Publisher, South

India. ISBN No. 978-1-63315-205-2 (USA).

Articles presented in Conference / Symposium:

1. **Dhananjeyan KJ***, Paramasivan R, Victor Jerald Leo S, Tewari SC, Thenmozhi V, Rajendran R and Tyagi BK. (2006). Use of non-destructive source of genomic DNA in insect studies. 8th International Symposium on 'Vectors and Vector-Borne Diseases' conducted jointly by CRME, Madurai and NVBDCP, Delhi, 13th - 15th October 2006.
2. Thangaratham PS*, Rajendran R, Tewari SC, Paramasivan R, Arunachalam N, **Dhananjeyan KJ** and Tyagi BK. (2006). Clinical investigations of suspected fever cases during dengue outbreak in Tiruppur, Coimbatore district, Tamil Nadu. 8th International Symposium on 'Vectors and Vector-Borne Diseases' conducted jointly by CRME, Madurai and NVBDCP, Delhi, 13th – 15th October 2006.
3. Mani TR*, **Dhananjeyan KJ** and Tyagi BK. (2006). A new biopupicide for the control of mosquito vectors. 4th International symposium on 'Biocontrol and Biotechnology', conducted by Lady Doak College, Madurai, 27th – 29th November 2006.
4. Sharmil G*, Paramasivan R, Rajendran R, **Dhananjeyan KJ** and Tyagi BK. (2007). A comparative analysis of chemical composition of salivary gland extracts of vector mosquitoes. 1st Conference on Medical Arthropodology Conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002, on 1st – 2nd September, 2007.
5. **Dhananjeyan KJ***, Paramasivan R, Tewari SC, Victor Jerald Leo S and Tyagi BK. (2008). Molecular identification of *Culex vishnui* subgroup mosquitoes, vectors of Japanese encephalitis virus with genomic DNA from non-destructive sources. Multi-Colloquial Brain Storming meeting on Vector Borne Diseases 'Using Innovative Control Measures & In-depth Reviews' organized by Centre for Research in Medical Entomology, Madurai – 625 002 from 10th – 11th May 2008.
6. Paramasivan R*, **Dhananjeyan KJ**, Victor Jerald Leo S, Phillip Samuel P, Thenmozhi V, Muniaraj M, Krishnamoorthi R and Tyagi BK. (2008). Molecular epidemiology of Chikungunya virus prevalent in India. Multi-Colloquial Brain Storming meeting on Vector Borne Diseases 'Using Innovative Control Measures & In-depth Reviews' organized by Centre for Research in Medical Entomology, Madurai – 625 002 from 10th – 11th May 2008.
7. Victor Jerald Leo S*, Paramasivan R, Thenmozhi V, Muniaraj M, Phillip Samuel P, **Dhananjeyan KJ** and Tyagi BK. (2008). Studies on transovarial transmission cycle of Chikungunya virus in *Aedes aegypti* mosquitoes. Multi-Colloquial Brain Storming meeting on Vector Borne Diseases 'Using Innovative Control Measures & In-depth Reviews' organized by Centre for Research in Medical Entomology, Madurai – 625 002 from 10th – 11th May 2008.
8. **Dhananjeyan KJ***, Paramasivan R, Sivaperumal R, Muniaraj M, Thiruvarutselvi, Thenmozhi V, Rajendran R and Tyagi BK. (2008). Molecular modeling of the envelope protein of Chikungunya virus. 2nd Conference on Medical Arthropodology Conducted by CRME, (ICMR), Madurai – 625 002, on 15th – 16th December, 2008.
9. Sharmil G*, Victor Jerald Leo S, **Dhananjeyan KJ**, Paramasivan R, Rajendran R and Tyagi

- BK. (2008). Biochemical spectrum of Chikungunya patients in Tamil Nadu. 2nd Conference on Medical Arthropodology Conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002, on 15th – 16th December, 2008.
10. Suresh P*, Paramasivan R, Karthikeyan KAM, **Dhananjeyan KJ**, Selvarani S and Sasireka G. (2008). Genetic variation of *Armigeres subalbatus* (Coquillett) using Random Amplified Polymorphic DNA markers. 2nd Conference on Medical Arthropodology Conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002, on 15th – 16th December, 2008.
 11. Victor Jerald Leo S*, Paramasivan R, Phillip Samuel P, Muniyaraj M, Thenmozhi V, **Dhananjeyan KJ**, Arunachalam N, Rajendran R and Tyagi BK. (2009). Laboratory diagnosis of Chikungunya virus infection – an Indian perspective. 3rd Conference of Medical Arthropodology Conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002, on 18th – 19th December, 2009.
 12. Rajapriyanka R*, Arunachalam N, Paramasivan R, **Dhananjeyan KJ** and Victor Jerald Leo S (2009). Host feeding pattern of *Culex tritaeniorhynchus*, the principal vector of Japanese encephalitis, in a rural area of Madurai, Tamil Nadu. 3rd Conference of Medical Arthropodology Conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002, on 18th – 19th December, 2009.
 13. John Vennison S*, Gowri Sankar S, **Dhananjeyan KJ**, Paramasivan R, Thenmozhi V and Tyagi BK. (2011). Dengue NS1 IgM detection: a new approach for sensitive acute dengue virus diagnosis and for understanding its role in pathology and pathogenesis. 5th Conference of Medical Arthropodology Conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002, on 18 – 19th October 2011.
 14. Thenmozhi V*, Paramasivan R, Philip Samuel P, Balaji T, Baskaran G, **Dhananjeyan KJ**, Selvam A and Tyagi BK. (2011). Mosquito diversity in Tirunelveli district, Tamil Nadu. 5th Conference of Medical Arthropodology Conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002, on 18 – 19th October 2011.
 15. Baskaran G*, Philip Samuel P, Paramasivan R, Victor Jerald Leo S, **Dhananjeyan KJ**, Pazhaninathan K, Venkatesh A, Kamaraj T and Tyagi BK. (2011). A simple and cost effective method for the effective removal of rainwater stored in tyres, a potential breeding source of dengue CHIKV vectors. 5th Conference of Medical Arthropodology Conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002, on 18 – 19th October 2011.
 16. Venkatasubramani K*, **Dhananjeyan KJ**, Balaji T, Baskaran G, Thenmozhi V, Paramasivan R and Tyagi BK. (2012). Chikungunya fever, an important re-emerging public health problem in Tamil Nadu. 6th Conference of Medical Arthropodology Conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002, on 18 – 19th October 2012.
 17. David Antony Raj A*, Judith Caroline J and **Dhananjeyan K J**. (2016). Powerful papaya: potential antioxidant and immunostimulant. International conference on New horizons, Emerging challenges and Recent paradigms in food mediated immunity and their role in

human health and longevity” organized by PG & Research Department of Zoology, The American College, Madurai – 2 during 31st August – 1st September 2016.

* Presenting Author.

Gene sequence submissions:

1. FJ372982 – CO1 gene of vector mosquito *Aedes aegypti*
2. FJ372983 – CO1 gene of vector mosquito *Ae. albopictus*
3. FJ372984 – CO1 gene of vector mosquito *Culex tritaeniorhynchus*
4. FJ372985 – CO1 gene of vector mosquito *Cx. quinquefasciatus*
5. EU822302 – Wolbachia Surface Protein of endosymbiont bacteria *Wolbachia* from *Aedes aegypti*
6. EU194487 – Wolbachia Surface Protein of endosymbiont bacteria *Wolbachia* from *Culex quinquefasciatus*
7. EU148606 – E1 gene of Chikungunya virus isolated from Lakshadweep islands.
8. EU148607 – E1 gene of Chikungunya virus isolated from Lakshadweep islands.
9. EU148608 – E1 gene of Chikungunya virus isolated from Lakshadweep islands.
10. JX436102 – CO1 gene of *Toxorhynchites* sp. RK-2012 (described by CRME)

Symposiums/Conferences attended:

- Actively participated in Prof. S. Krishnaswamy memorial Symposium on ‘Advances in Biology’ held on 5th February 1997 at Madurai Kamaraj University.
- Actively participated in “Aqua – Terr” Annual symposium held on 27th and 28th February 1998 at Madurai Kamaraj University.
- Participated in ‘National Seminar on Atomic Energy, Ecology, and Environment’ held on 8th and 9th February 2001 at Jamal Mohamed College, Tiruchirappalli – 620 020.
- Participated and presented poster articles in the 8th International Symposium on ‘Vectors and Vector-Borne Diseases’ held from 13th to 15th October 2006, conducted jointly by Centre for Research in Medical Entomology, Madurai – 625 002 and National Vector Borne Disease Control Programme, Delhi, at Madurai.
- Participated and presented a poster in 1st Conference on “Medical Arthropodology” conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002, on 1st – 2nd September 2007.
- Participated and delivered a lecture in Multi-Colloquial Brain Storming meeting on ‘Vector Borne Diseases: Using Innovative Control Measures & In-depth Reviews’ organized by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002 from 10th – 11th May 2008.
- Participated and presented a poster in 2nd Conference on “Medical Arthropodology” conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002 during 15th – 16th December, 2008.
- Actively participated in the 3rd Conference on “Medical Arthropodology” conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002 during 18th – 19th December 2009.
- Actively participated in the 4th Conference on “Medical Arthropodology” conducted by

Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002 during 19th – 20th December 2010.

- Actively participated in the 5th Conference on “Medical Arthropodology” conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002 during 18th – 19th October 2011.
- Actively participated in the 6th Conference on “Medical Arthropodology” conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002 during 18th – 19th October 2012.
- Actively participated in the ‘Brain storming conference on Dengue Scenario in India: Disease Burden, Surveillance and control’ conducted by Centre for Research in Medical Entomology, (ICMR), Madurai – 625 002 during 25th – 26th July 2013.
- Participated and presented a poster entitled “Powerful papaya: potential antioxidant and immunostimulant” in DBT & ICMR sponsored “International conference on New horizons, Emerging challenges and Recent paradigms in food mediated immunity and their role in human health and longevity” organized by PG & Research Department of Zoology, The American College, Madurai – 2 during 31st August – 1st September 2016.
- Actively participated in the ‘AIACHE Golden Jubilee Finale Celebrations’ conducted by All India Association for Christian Higher Education (AIACHE), Ecumenical Centre, 39 Institutional Area, D-Block, Janakpuri, New Delhi – 110058 at The American College, Madurai – 625002 from 7th to 11th October 2016.
- Attended the Science Academies’ Lecture Workshop on **Recent Trends in Modern Biology** sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi and The National Academy of Sciences, Allahabad and organized by Post Graduate & Research Department of Zoology, The American College from 23 January 2018 till 25 January 2018.
- Participated in the National Conference on ‘Coral reefs: Threats and Conservation CRTC – 2019’ organized by PG & Research Department of Zoology, The American College, Madurai on 12 February 2019.
- Participated and acted as an Executive Member in the National Conference on ‘Emerging Trends in Entomology (ETIE – 2019)’ organized by PG & Research Department of Zoology, The American College, Madurai during 7 & 8 March 2019.
- Participated in the National Conference on ‘Wildlife: Threats and Conservation WTC – 2019’ organized by Post Graduate & Research Department of Zoology, The American College, Madurai on 18 October 2019.
- Participated in Dean SPGS Endowment Lecture on: “Insects and Languages: Implications for Food and Nutritional Security” delivered by Dr. R. Srinivasan, Acting Regional Director, World Vegetable Centre, Taiwan jointly organized by the Department of Agricultural Entomology, Agricultural College and Research Institute, Madurai and School of Post Graduate Studies, Tamil Nadu Agricultural University, Coimbatore on 24 January 2020.

- Participated in the NAAC sponsored National Conference on “QUALITY ENHANCEMENT AND SUSTENANCE IN HIGHER EDUCATION” organized by the Internal Quality Assurance Cell (IQAC), The American College, Madurai on 6 March 2020.

Workshops/Trainings/Exhibitions:

Organized:

1. Served as Organizing Committee Member in the “Innovation in Science Pursuit for Inspired Research (INSPIRE) Internship Science Camp” organized by The American College, Madurai and Catalyzed & Sponsored by Department of Science & Technology from 07 to 11 February 2018.
2. Organized along with Dr. T. Angeline as co-organizing secretary a ‘Hands on Training cum Workshop on Fundamentals of Bioinformatics for Life Science Students’ to the students of The American College, Madurai on 04 April 2019.
3. Headed the team of four students pursuing Post Graduate degree in Zoology and presented a model explaining ‘HOUSEHOLD GARBAGE DISPOSAL SYSTEM’ in the exhibition on “Science in Everyday Life” held at Aravind Medical Research Foundation, Madurai on 28 September 2019.
4. Organized along with Dr. T. Angeline as co-organizing secretary a ‘State Level Hands on Training cum Workshop on FUNDAMENTALS OF BIOINFORMATICS’ to the students of The American College, Madurai on 05 March 2020.

As resource person:

1. Delivered a lecture on “Molecular Biology of Japanese encephalitis virus” as faculty in “Workshop on surveillance and control of JE with emphasis on implementation of vaccination programme in India” during 23rd - 25th January 2006, Conducted by Centre for Research in Medical Entomology, Madurai.
2. As a faculty member demonstrated and explained the field activities to the participants of the Workshop entitled “Dengue vector surveillance and disease control management in India” Conducted by Centre for Research in Medical Entomology, Madurai from 23rd to 24th March 2006.
3. Delivered a lecture on “Molecular Taxonomy in CRME” in Training workshop on ‘Mosquito Taxonomy and Ecology’ conducted by Centre for Research in Medical Entomology (ICMR), Madurai – 2, for three scientists from Institute of Medical Research, Kuala Lumpur, Malaysia, from 17th to 21st December, 2007.
4. Delivered a lecture on “DNA Barcoding” and demonstrated the laboratory procedure for ‘Molecular Taxonomy of vector mosquitoes’ in a Training imparted to two Senior Entomologists from Institute of Vector Control & Zoonoses, Hosur, Ta mil Nadu from 5th January 2015 till 9th January 2015.

As participant:

1. Undergone a hands-on training on “Real Time – Polymerase Chain Reaction” in 'State-of-art Genomics & Proteomics training facility' at Gurgaon, conducted by Labindia Research and Development Laboratory, Labindia Instruments Pvt. Ltd., 372, Udyog

- Vihar, Phase II, Gurgaon – 122 016 from 18th to 20th November 2009.
2. Participated as an Observer in “The Second Training Course on Laboratory Biosafety and Biosecurity aspects in relation to Genetically Modified Vectors (GMV) for disease control” from 23rd - 27th November 2009 conducted by WHO/TDR at Madurai.
 3. Participated in the workshop on “Biomolecular Modeling and Dynamics” sponsored by DBT-BIF, organized by the Department of Biotechnology, Lady Doak College, Madurai held between 27th and 29th January, 2016.
 4. Participated and completed the “Training on Zika virus Diagnosis” held from 15th to 19th February, 2016 at Referral Centre for Virus Research & Diagnostic Laboratory, National Institute of Virology (ICMR), Pune.
 5. Participated in IAS, Bangalore, INSA, New Delhi, NAS, Allahabad sponsored Science Academies’ Lecture Workshop on ‘Introduction to Modern Biology’ organized by PG & Research Department of Zoology, The American College, Madurai – 2, during **19th – 21st January 2017.**
 6. Participated in the training programme “Tuning Young Faculty Towards Effective Teaching” organized by St. Christopher’s College of Education, Chennai funded by United Board for Christian Higher Education in Asia from **23.01.2018 to 27.01.2018.**
 7. Participated in the National workshop entitled “Recent Technological Innovations in Teaching Learning and Evaluation for Quality Higher Education” sponsored by UNITED BORAD FOR CHRISTIAN HIGHER EDUCATION in ASIA held during **18 & 19 March 2019** at Nesamony Memorial Christian College, Marthandam, Tamilnadu.
 8. Participated in ‘One Day Workshop on Curriculum Developments’ held in PG & Research Department of Zoology, The American College, Madurai on **21. 06. 2019.**
 9. Participated and secured ‘A’ Grade in ‘UGC – sponsored Orientation Programme’ conducted by UGC – Human Resources Development Centre, Madurai Kamaraj University from **10.07.2019 to 30.07.2019.**
 10. Participated in the ‘One day Entrepreneurship Development Programme in Sericulture’ organized by Central Silk Board, Government of India, Research Extension Centre, Samayanallur, Madurai and UG Department of Zoology, The American College, Madurai on **9 January 2020.**
 11. Participated in the ‘Joint online international workshop for Faculty Development Programme on “**CRISPR/CAS9 Human Genome Engineering: Basics and Applications**” organized by Centre For Professional and Career Advancement, Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology, India and Genome Engineering Laboratory, School of Life Sciences, University of Westminster, London, UK from 24th to 29th August 2020.