

FACULTY PROFILE



Name : Dr. S. ARIVOLI

Designation : Assistant Professor of Zoology

Academic qualifications : M.Sc., M.Phil., Ph.D., P.G.D.M.L.T.,
F.S.E.Sc., F.S.A.Sc., F.I.C.E.Z.S.,
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Contacts

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Teaching experience : 003 years

Research experience : 022 years

Research area/ specialization :

- Aquatic and Medical Entomology
- Vector/Mosquito Biology & Control
- Taxonomy and Biodiversity
- Botanicals and Phytochemistry

Research Guidance/Supervision

Programmes of study	Completed	Ongoing
Ph.D.	-	07
M.Phil.	05	06

Research Publications

International journals	National journals	Proceedings of international conferences	Proceedings of national conferences
45	16	08	18

Projects handled as Research Associate

Mac Arthur Foundation, U.S.A Entomology Research Institute, Loyola College, Chennai (1997)	:	Insecticidal plants used by the Tribals of Tamilnadu
Ministry of Environment and Forest, Govt. of India, New Delhi Entomology Research Institute, Loyola College, Chennai (1997-99)	:	Botanical pesticides used by Tribals
University Grants Commission, Govt. of India, New Delhi (University of Madras) (1999-03)	:	Studies on the immunological roles of β -1,3 Glucan binding protein in the haemolymph of the marine mussel <i>Perna viridis</i>
University Grants Commission (Centre for the excellence in Herbal Science- University of Madras), New Delhi (2003)	:	Cytoprotective role of Curcumin against selenium induced reactive oxygen species mediated cataract induced by selenium in wistar rats
Department of Science and Technology, SEED Division, Govt. of India New Delhi Loyola College, Chennai (2011-13)	:	Pilot study on water bugs as bio-agents in controlling vector mosquitoes for environmental safety

Projects undertaken as Principal Investigator

Council of Scientific and Industrial Research, Govt. of India, New Delhi (2003-06) : Botanicals - an eco-friendly approach in pest and vector control
(5.77 Lakhs)

Ministry of Science and Technology, Govt. of India New Delhi (2006-09) : Evaluation of potential botanicals and isolation of active compounds for the control of mosquito vectors
(11.88 Lakhs)

Research Publications in National and International Journals	:	61
Publications as Proceedings in Conferences/Symposia/Seminars	:	07
Paper presentation in National and International conferences/seminars/ symposia	:	32
Abstracts	:	24
Number of Seminars/ Symposia/ Conferences/ Workshops/ Camps attended (with in India)	:	85

Faculty improvement / Training undertaken

- **SQUAD member** for Thiruvalluvar University conducted semester examinations in affiliated colleges- **5th & 6th Nov 2014 (2 days)**
- **University Representative** for Central valuation at Periyar Government Arts College, Cuddalore, **12th Nov 2014 to 22nd Dec 2014 (39 days)**
- Faculty Empowerment Programme - **6 days (5th Jan to 10th Jan 2015)**
- **University Representative** for Central valuation at Periyar Government Arts College, Cuddalore, **24th April 2015 to 5th June 2015 (53 days)**
- **Chief Superintendant** to conduct University Examinations (Nov/Dec 2015) at Tirupattur Arts and Science College (324), Tirupattur, **4th November 2015 to 5th January 2016 (62 days)**

Academic achievements

- **Member, Board of Studies**, Department of Zoology, Loyola College (2004-08)
- **Member, Board of Studies**, Department of Zoology, Thiruvalluvar University (2014-till date)
- **Member, Foreign Language Laboratories in University**, Thiruvalluvar University (2014-till date)
- **Member, Editorial Board**, Scientific society of Advanced Research and Social change (SSARSC) (2013)
- **Editor in Chief**, International Journal of Mosquito Research (2013)
- **Associate Editor**, Journal of Entomology and Zoology Studies (2013)
- **Associate Editor**, International Journal of Fauna and Biological Studies (2013)
- **Member, Editorial Board**, Journal of Basic Sciences - Science Knowledge Publications (2015)
- **Member, Editorial Board**, International Journal of Multidisciplinary Research and Modern Education - IJMRME (2015)
- **Associate Editor**, International Journal of Applied Research (2015)
- **Member, Editorial Board**, International Journal of Zoology Research (2015)
- **Member, Editorial Board**, International Journal of Entomology Research (2015)

Life membership

- Loyola Aquatic insects Biodiversity Society (LABS), Chennai
- Society of Environmental Sciences, Dumka
- Society of Applied Sciences, Agra
- International Society of Zoological Sciences
- Scientific Society of Advanced Research and Social Change (SSARSC)
- International Congress of Entomology and Zoology Studies, Delhi
- National Academy of Vector Borne Diseases, Bhubaneswar
- International Society for Environmental Information Sciences, Canada

Awards and Honours

- Conferred HONORARY FELLOWSHIPS for outstanding contribution in the field of Entomology & Zoology (F.I.C.E.Z.S.), Research & Social Change (F.S.S.A.R.S.C.), Environmental Sciences (F.S.E.Sc.) and Applied Sciences (F.S.A.Sc.).

Resource person

- Regional workshop for Teachers **"Recent trends in techniques of medical laboratory technology and biotechnology"** (19.12.2005 to 30.12.2005), Department of Zoology & Medical Laboratory Technology, Loyola College, Chennai 600 034
- Refresher course for Teachers in Microbiology **"Recent trends in clinical microbiology, microbial techniques and drug designing"** (From 27.02.2007 to 19.03.2007), Department of Microbiology , SRM Dental College, Ramapuram, Chennai 600 089
- National seminar on **New perspectives in Biotechnology for Human welfare (1st March 2015)** Department of Biotechnology, Islamiah College, Vaniyambadi, Tamilnadu.
- International conference on **"Recent trends in Biological Sciences"** (25.01.2016) Department of Zoology, Hajee Karutha Rowthar Howdia College, Uthamapalayam, 625 533, Theni, Tamilnadu, India.

Reviewer in journals

- Asian Pacific Journal of Tropical Medicine
- Parasitology Research
- Saudi Journal of Biological Sciences
- Jordan Journal of Biological Sciences
- Journal of Entomological and Acarological Research
- Pakistan Journal of Zoology, Lahore
- International Journal of Mosquito Research
- Journal of Entomology and Zoology Studies
- International Journal of Fauna and Biological Sciences
- Journal of Basic Sciences

List of research publications in International and National Journals

1. P. Venkatesan and **S. Arivoli** 1995 Food intake and energy expenditure pattern in *Diplonychus indicus* Venk. & Rao. *Journal of Applied Zoological Research* 6 (1): 38 - 40 **(Impact factor: 2.63)**.
2. K. Elumalai, **S. Arivoli** and A. Sankaralingam 1995 Predatory tactics of egg bearing water bug *Diplonychus indicus* Venk. & Rao. *Journal of Applied Zoological Research* 6(1): 13 -16 **(Impact factor: 2.63)**.
3. P. Venkatesan, **S. Arivoli** and K. Elumalai 1995 Predatory strategy of the water stick insect *Ranatra filiformis* Fabr. as an adaptation. *Journal of Environment and Ecology* 13 (2): 361-365.
4. **S. Arivoli**, P. Venkatesan and J. Nagarajan, 1995 Impact of prey on ovipositional frequency and hatching success of eggs in the water stick insect *Ranatra filiformis* Fabr. *Journal of Aquatic Biology* 10 (1&2): 53-56.
5. N. Raja and **S. Arivoli**, 1997 Effect of pesticides on total protein content of the predatory bug *Diplonychus indicus* Venk & Rao *Pollution Research* 16 (2): 89-92 **(Impact factor: 4.75)**.
6. M. Sarala, **S. Arivoli** and N. Raja 1998 Effect of insecticide treated gunny bags against *Tribolium castaneum* (Herbst) infestation in stored grains. *Uttar Pradesh Journal of Zoology* 18(1):59-63 90 **(Impact factor: 3.30)**.
7. **S. Arivoli**, S.T. Narendran and S. Ignacimuthu 1999 Larvicidal activity of botanical pesticides against *Culex quinquefasciatus* Say. *Journal of Advanced Zoology* 20 (2): 19-23.
8. **S. Arivoli**, and P. Venkatesan 2004 Ovipositional behaviour, eggs deposition pattern and site preference of the water strider, *Tenagonus fluviorum* (Fabricius) *Indian Journal of Environment and Ecoplanning* 8(3): 677 -682.
9. **S. Arivoli** and P. Venkatesan 2005 Mating behaviour of the water strider *Tenagonus fluviorum* (Fabricius) *Indian Journal of Ecology* 32(2): 121 - 123 **(Impact factor: 4.47)**.
10. G. Chandramohan, **S. Arivoli** and P. Venkatesan 2005 Effect of photoperiodicity on the predatory performance of the water bug *Diplonychus rusticus* (Fabricius). *The Ekologia* 3 (2): 99 -106.

11. G. Chandramohan, **S. Arivoli** and P. Venkatesan 2005 Impact of vegetation on predatory efficiency of *Diplonychus rusticus* (Fabricius) *Journal of Nature Conservation* 17(2) : 291 -298.
12. **S. Arivoli**, G. Chandramohan and P. Venkatesan 2005 Influence of abiotic factors on seasonal fluctuation of population of water strider *Tenagogonus fluviyorum* (Fabricius) in permanent pond *Journal of Nature Conservation* 17(2) : 363 -370.
13. **S. Arivoli** and P. Venkatesan 2005 Taxonomical features and redescription of *Tenagogonus fluviyorum* (Fabricius) *Journal of Entomological Research* 29 (3): 237-241 **(Impact factor: 3.72)**.
14. **S. Arivoli** and P. Venkatesan 2006 Functional response of *Tenagogonus fluviyorum* (Fabricius) in its predation of *Culex quinquefasciatus* Say. larvae of varied density and size. *Journal of Biological Control* 20 (1): 19 -24 **(Impact factor: 3.96)**.
15. G. Chandramohan, **S. Arivoli** and P. Venkatesan 2006 Coexistence of predatory water bugs influencing prey distribution. *Journal of Entomological Research* 30 (3): 193 - 197 **(Impact factor: 3.72)**.
16. G. Chandramohan, **S. Arivoli** and P. Venkatesan 2008 Effect of salinity on the predatory performance of *Diplonychus rusticus* (Fabricius) *Journal of Environmental Biology* 29 (3):287- 290 **(Impact factor: 6.55 ; 0.55)**.
17. A. Navamani, **S. Arivoli** and P. Venkatesan 2009 Predatory performance of *Diplonychus rusticus* (Fabricius) in relation to different periods of exposure. *Hexapoda* 16(1): 47-49 **(Impact factor: 3.50)**.
18. G. Chandramohan, **S. Arivoli** and P. Venkatesan 2011 Effect of quality of water media on the predatory performance of *Diplonychus rusticus* (Fabr.) *Journal of Ecobiology* 28(1): 9-15 **(Impact factor: 1.94)**.
19. **S. Arivoli** and Samuel Tennyson 2011 Bioefficacy of *Citrullus colocynthis* (L.) Schrad (Cucurbitaceae) whole plant extracts against *Anopheles stephensi*, *Aedes aegypti* and *Culex quinquefasciatus* (Diptera: Culicidae) *International Journal of Current Research*, 3(4): 296-304 **(Impact factor: 5.34)**.
20. **S. Arivoli** and Samuel Tennyson 2011 Mosquitocidal activity of *Hyptis suaveolens* (L) Poit (Lamiaceae) extracts against *Aedes aegypti*, *Anopheles stephensi* and *Culex quinquefasciatus* (Diptera: Culicidae) *International Journal of Recent Scientific Research* 2(5): 143 -149 **(Impact factor: 5.11)**.

21. **S. Arivoli** and Samuel Tennyson 2011 Larvicidal and adult emergence inhibition of *Abutilon indicum* (Linn.) (Malvaceae) leaf extracts against vector mosquitoes (Diptera: Culicidae). *Journal of Biopesticides*, 4(1): 27-35 (**Impact factor: 3.88**).
22. **S. Arivoli**, Samuel Tennyson and J. Jesudoss Martin 2011 Larvicidal efficacy of *Vernonia cinerea* (L.) (Asteraceae) leaf extracts against the filarial vector *Culex quinquefasciatus* Say (Diptera: Culicidae). *Journal of Biopesticides* 4(1): 37-42 (**Impact factor: 3.88**).
23. **S. Arivoli** and Samuel Tennyson 2011 Effects of *Leucas aspera* (Willd.) Spreng (Lamiaceae) leaf extracts against *Aedes aegypti*, *Anopheles stephensi* and *Culex quinquefasciatus* (Diptera: Culicidae). *World Applied Sciences Journal*, 14(4): 565-568.
24. **S. Arivoli**, Anjali N. Upadhyay and P. Venkatesan 2011 Scanning electron microscopy on eggshell and eclosion process of *Tenagogonus fluviorum* (Fabricius) (Hemiptera: Gerridae) *Advances in Biological Research* 5(6): 309-314.
25. **S. Arivoli** and Samuel Tennyson 2011 Larvicidal efficacy of *Cleistanthus collinus* (Roxb.) (Euphorbiaceae) leaf extracts against vector mosquitoes (Diptera: Culicidae). *Asian Pacific Journal of Tropical Biomedicine*, S275-S277 (**Impact factor: 1.41**).
26. **S. Arivoli** and Samuel Tennyson. 2011. Studies on the mosquitocidal activity of *Murraya koenigii* (L.) Spreng (Rutaceae) leaf extracts against *Aedes aegypti*, *Anopheles stephensi* and *Culex quinquefasciatus* (Diptera: Culicidae). *Asian Journal of Experimental Biological Sciences*, 2(4): 721-730.
27. Samuel Tennyson, K. John Ravindran and **S. Arivoli** 2011 Screening of plant extracts for ovicidal activity against *Culex quinquefasciatus* Say (Diptera: Culicidae) *Applied Botany* 40 5456-5460.
28. **S. Arivoli**, Anjali N. Upadhyay and P. Venkatesan 2011 Relative growth and description of the nymphal instars of *Tenagogonus fluviorum* (Fabricius) (Hemiptera: Gerridae) *Academic Journal of Entomology* 4 (3): 72-80.
29. **S. Arivoli**, Anjali N. Upadhyay and P. Venkatesan 2011. Prey handling and diel patterns in feeding behaviour of *Tenagogonus fluviorum* (Fabricius) *Indian Journal of Environment and Ecoplanning*, 18(2-3): 237-242.
30. Samuel Tennyson, **S. Arivoli**, V. Jelin and J. Kapil. 2011. Larvicidal activity of plant oils against the Chikungunya vector *Aedes aegypti* (L.) (Diptera: Culicidae). *Indian Journal of Environment and Ecoplanning*, 18(2-3): 289-292.

31. Samuel Tennyson and S. **Arivoli**. 2011. Larvicidal, adult emergence inhibition and ovicidal activity of *Sphaeranthus indicus* Linn. (Asteraceae) whole plant extracts against *Aedes aegypti*, *Anopheles stephensi* and *Culex quinquefasciatus* (Diptera: Culicidae). *Indian Journal of Environment and Ecoplanning*, 18(2-3): 293-304.
32. **S. Arivoli** and Samuel Tennyson. 2012. Larvicidal efficacy of *Strychnos nuxvomica* Linn. (Loganiaceae) leaf extracts against the filarial vector *Culex quinquefasciatus* Say (Diptera: Culicidae) *World Journal of Zoology*, 7(1): 06-11.
33. **S. Arivoli**, K. John Ravindran and Samuel Tennyson, 2012. Larvicidal efficacy of plant extracts against the malarial vector *Anopheles stephensi* Liston (Diptera: Culicidae) *World Journal of Medical Sciences* 7 (2): 77-80.
34. R. Raveen, P. Dhayanidhi, K. Dhinamala, **S. Arivoli** and Samuel Tennyson, 2012. Larvicidal activity of *Pedilanthus tithymaloides* (L.) Poit (Euphorbiaceae) leaf against the dengue vector *Aedes aegypti* (L.) (Diptera: Culicidae), *International Journal of Environmental Biology* 2(2): 36-40.
35. **S. Arivoli**, K. John Ravindran, R. Raveen and Samuel Tennyson 2012. Larvicidal activity of botanicals against the filarial vector *Culex quinquefasciatus* Say (Diptera: Culicidae) *International Journal of Research in Zoology* 2(1): 13 -17.
36. **S. Arivoli** and Samuel Tennyson 2012. Antifeedant activity of plant extracts against *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae), *American-Eurasian Journal of Agriculture & Environmental Science*, 12 (6): 764-768.
37. Kalimuthu Kovendan, **Subramaniam Arivoli**, Rajan Maheshwaran, Kathirvelu Baskar and Savariar Vincent 2012 Larvicidal efficacy of *Sphaeranthus indicus*, *Cleistanthus collinus* and *Murraya koenigii* leaf extracts against filarial vector, *Culex quinquefasciatus* Say (Diptera: Culicidae) *Parasitology Research*, 111: 1025 -1035 **(Impact factor: 8.33; 2.33)**.
38. Samuel Tennyson, K. John Ravindran and **S. Arivoli** 2012. Screening of twenty five plant extracts for larvicidal activity against *Culex quinquefasciatus* Say (Diptera: Culicidae). *Asian Pacific Journal of Tropical Biomedicine*, 2: S1130 - S1134 **(Impact factor: 1.41)**.
39. Samuel Tennyson K. John Ravindran and **S. Arivoli** 2012. Bioefficacy of botanical insecticides against the dengue and chikungunya vector *Aedes aegypti* (L.). (Diptera: Culicidae). *Asian Pacific Journal of Tropical Biomedicine*, S1842-S1844 **(Impact factor: 1.41)**.

40. Samuel Tennyson, **S. Arivoli**, R. Raveen, M. Bobby and K. Dhinamala. 2012. Larvicidal activity of *Areca catechu*, *Nicotiana tabacum* and *Piper betle* leaf extracts against the dengue vector *Aedes aegypti* (L.) (Diptera: Culicidae). *International Journal of Research in Biological Sciences*, 2(4): 157 -160.
41. **S. Arivoli** and Samuel Tennyson, 2013. Antifeedant activity, developmental indices and morphogenetic variations of plant extracts against *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). *Journal of Entomology and Zoology Studies*, 1 (4): 87-96.
42. **S. Arivoli** and Samuel Tennyson , 2013. Screening of plant extracts for oviposition activity against *Spodoptera litura* (Fab.). (Lepidoptera: Noctuidae). *International Journal of Fauna and Biological Studies*, 1 (1): 20-25.
43. **S. Arivoli** and Samuel Tennyson, 2013. Ovicidal activity of plant extracts against *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae) *Bulletin of Environment, Pharmacology and Life Sciences*. 2 (10): 123-128 (**Impact factor: 2.59**).
44. Murugesan Sakthivadivel, Palani Gunasekaran, Jeevanandham Therasa Annapoorani, David Arul Samraj, **Subramanian Arivoli** and Samuel Tennyson, 2014. Larvicidal activity of *Wrightia tinctoria* R. BR. (Apocynaceae) fruit and leaf extracts against the filarial vector *Culex quinquefasciatus* Say. (Diptera: Culicidae) *Asian Pacific Journal of Tropical Disease*, 4(1): S373-S377 (**Impact factor: 0.72**).
45. R. Raveen, K.T. Kamakshi, M. Deepa, **S. Arivoli** and Samuel Tennyson, 2014. Larvicidal activity of *Nerium oleander* L. (Apocynaceae) flower extracts against *Culex quinquefasciatus* Say. (Diptera: Culicidae). *International Journal of Mosquito Research*, 1 (1): 36-40.
46. Murugesan Sakthivadivel, Palani Gunasekaran, Jothis Mathew, Arul Samraj, **Subramanian Arivoli**, Samuel Tennyson, 2014. Evaluation of larvicidal efficacy of *Cleome viscosa* L. (Capparaceae) aerial extracts against *Culex quinquefasciatus* Say (Diptera: Culicidae). *Asian Pacific Journal of Tropical Disease*. Suppl (2): S795 - S798 (**Impact factor: 0.72**).
47. Murugesan Sakthivadivel, Palani Gunasekaran, Murugesan Sivakumar, Arul Samraj, **Subramanian Arivoli** and Samuel Tennyson 2014. Evaluation of *Solanum trilobatum* L. (Solanaceae) aerial extracts for mosquito larvicidal activity against the filarial vector *Culex quinquefasciatus* Say (Diptera: Culicidae). *Journal of Entomology and Zoology Studies*; 2 (6): 102-106.

48. Eugeni Anitha Preethi. G, Raveen. R, **Arivoli. S**, Samuel Tennyson and Madhanagopal. R. 2014. Larvicidal efficacy of *Jasminum sp.* (Oleaceae) flower extracts against the Dengue and Chikungunya vector *Aedes aegypti* L. (Diptera: Culicidae), *Medicinal Chemistry*, 4(10): 672-675. **(Impact factor: 5.447)**
49. K.T. Kamakshi, R. Raveen, Samuel Tennyson, **S. Arivoli** and A. Daniel Reegan, 2015. Ovicidal and repellent activities of *Cereus hildmannianus* (K. Schum.) (Cactaceae) extracts against the dengue vector *Aedes aegypti* L. (Diptera: Culicidae), *International Journal of Mosquito Research*, 2 (1): 13-17.
50. **S. Arivoli**, R. Raveen, Samuel Tennyson, M. Sakthivadivel 2015. Adult emergence inhibition activity of *Cleistanthus collinus* (Roxb.) (Euphorbiaceae) leaf extracts against *Aedes aegypti* (L.), *Anopheles stephensi* Liston and *Culex quinquefasciatus* Say (Diptera: Culicidae), *International Journal of Mosquito Research*, 2 (1): 24-28.
51. Murugesan Sakthivadivel, Palani Gunasekaran, Murugesan Sivakumar, **Subramanian Arivoli**, Rajasingh Raveen and Samuel Tennyson, 2015. Mosquito larvicidal activity of *Hyptis suaveolens* (L.) Poit (Lamiaceae) aerial extracts against the filarial vector *Culex quinquefasciatus* Say (Diptera: Culicidae). *Journal of Medicinal Plants Studies*, 3(4): 1-5.
52. **Subramanian Arivoli**, Rajasingh Raveen and Samuel Tennyson. 2015. Larvicidal activity of *Citrullus colocynthis* (L.) Schrad (Cucurbitaceae) isolated fractions against *Aedes aegypti* (L.), *Anopheles stephensi* Liston and *Culex quinquefasciatus* Say (Diptera: Culicidae). *Indian Journal of Applied Research*, 5(8): 97-101 **(Impact factor: 3. 62)**.
53. Raveen R, Samuel T, **Arivoli S**, Madhanagopal R, 2015. Evaluation of mosquito larvicidal activity of *Jasminum species* (Oleaceae) crude extracts against the filarial vector *Culex quinquefasciatus* Say (Diptera: Culicidae). *American Journal of Essential Oils and Natural Products*, 2(5): 24-28. **(Impact factor: 0.79)**
54. Annie, S.W, Raveen. R, Paulraj, M.G, Samuel, T and **Arivoli. S**, 2015. Screening of *Eichhornia crassipes* (Mart.) Solms (Pontederiaceae) crude leaf extracts for larvicidal efficacy against the filarial vector *Culex quinquefasciatus* Say (Diptera: Culicidae), *International Journal of Mosquito Research*, 2(4): 43-48.
55. **Subramanian Arivoli**, Rajasingh Raveen and Samuel Tennyson, 2015. Larvicidal activity of *Citrullus colocynthis* (L) Schrad (Cucurbitaceae) isolated fractions against *Aedes aegypti* (L.), *Anopheles stephensi* Liston and *Culex quinquefasciatus* Say. (Diptera: Culicidae) *Indian Journal of Applied Research*, 5 (8): 27-31. **(Impact factor: 3.6241)**

56. **Arivoli S**, Raveen R, Samuel T. 2015. Larvicidal activity of *Murraya koenigii* (L.) Spreng (Rutaceae) hexane leaf extract isolated fractions against *Aedes aegypti* Linnaeus, *Anopheles stephensi* Liston and *Culex quinquefasciatus* Say (Diptera: Culicidae) *Journal of Mosquito Research* 5 (16). 1-8.
57. Marimuthu Govindarajan, Mohan Rajeswary, S.L. Hoti, Kadarkarai Murugan, Kalimuthu Kovendan, **Subramanian Arivoli** and Giovanni Benelli, 2015. *Clerodendrum chinense* mediated biofabrication of silver nanoparticles: Mosquitocidal potential and acute toxicity against non-target aquatic organisms. *Journal of Asia-Pacific Entomology*. 19 (1): 51-58. **(Impact factor: 0.946)**
58. Kamatchi. P.A.C, Arivoli. **S**, Maheswaran. R, 2015. Biological control of mosquito larvae of *Culex quinquefasciatus* Say using freshwater fish *Carassius auratus* Linn and *Poecilia reticulata* Peters, *Research Reviews: Journal of Zoological Sciences*, 3 (1): 1-2. **(Impact factor: 0.821)**
59. Parthasarathi Arunachalam Chettiar Kamatchi, Subramanian Arivoli, Rajan Maheswaran, 2016. Study of mosquito control using larvivorous fish *Danio rerio* Hamilton and *Oreochromis mossambicus* Peters, *Journal of Coastal Life Medicine*, 4(1): 8-9.
60. Marimuthu Govindarajan, Mohan Rajeswary, **Subramanian Arivoli**, Samuel Tennyson and Giovanni Benelli, 2016. Larvicidal and repellent potential of *Zingiber nimmonii* (J. Graham) Dalzell (Zingiberaceae) essential oil: an eco-friendly tool against malaria, dengue, and lymphatic filariasis mosquito vectors, *Parasitology Research*, 10.1007/s00436-016-4920-x **(Impact factor: 8.33; 2.33)**.
61. R. Maheswari, S. Divya, S. Sureshkumar, **S. Arivoli** and B. Senthilkumar, 2015. *Momordica charantia* L extract ameliorates ethanol induced Hepatic and Renal antioxidant enzyme in male Albino rat, *International Journal of Chemical and Pharmaceutical Review and Research*, 2 (2): 24-33.

Impact factor

Green colour indicates NAAS Rating Source	= 65.59
Blue colour indicates Internet Source	= 33.96
Red colour indicates Thomson & Reuters Source	= 05.21

Book publications

1. Contribute one Chapter in "***Essential of medical laboratory technology***" (1995)
Edited by Dr. P. Venkatesan, Loyola College, Chennai.
2. Contribute two Chapters in "***Recent trends in techniques of medical laboratory technology and biotechnology***" (2005)
Edited by Dr. P. Venkatesan, Loyola College, Chennai

List of publications in proceedings

S. Arivoli, P. Venkatesan 1995 Effect of habitat structure on the predatory performance of *Ranatra filiformis* Fabr against *Culex* mosquito larva. *Proceedings of National Academy of Vector Borne Diseases*, RMRC (ICMR): 180-187

S. Arivoli and P. Venkatesan 1995 Survival and tolerance of the water bug *Diplonychus indicus* Venk & Rao under the stress of the fly ash. *Proceedings of use of Lignite Fly Ash in Agriculture*, Annamalai University: 170 -173

S.T. Narendran, **S. Arivoli** and S. Ignacimuthu 1999 Evaluation of larvicidal and antifeedant activity of two plants. *Proceedings of Biopesticides in Insect Pest Management*. Entomology Research Institute, Loyola College (Phoenix Publishers, New Delhi) 152-155

S.T. Narendran, **S. Arivoli** and S. Ignacimuthu 1999 Antifeedant activity of five plants collected from Western Ghats, against the armyworm *Spodoptera litura* Fabricius. *Proceedings of Emerging Trends in Biotechnological Applications for Integrated Pest Management*. Entomology Research Institute, Loyola College (Phoenix Publishers, New Delhi) 81-86

S. Arivoli, 2003 An amazing water walker- Published in LABS BEAT (News letter)

S. Arivoli and P. Venkatesan 2007 Diet for Cancer prevention

S. Arivoli, G. Chandramohan and P. Venkatesan 2008 Trauma care system in India - Current Scenario

Paper presentations

- Biodiversity in some Indian membracids with reference to their ovipositing behaviour and ant attendance in **International conference on biodiversity, environmental and sustainable development** held on 4 - 6th October 1994, at Sarojini Naidu Vanita Mahavidyalaya, Hyderabad, Andhra Pradesh, India
- Effect of habitat structure on the predatory performance of *Ranatra filiformis* Fabr. against *Culex* mosquito larvae in the first **International symposium on vectors and vector borne diseases** held on 12-15th November 1994 at Regional Medical Research Centre (ICMR) Bhubaneswar, Orissa, India
- Survival and tolerance of the water bug *Diplonychus indicus* Venk. & Rao under the stress of the fly ash in **National seminar on the use of lignite fly ash in agriculture** held on 20 -22nd December 1995, at Department of Entomology, Annamalai University, Tamil Nadu, India
- Predatory performances of the gerrid *Tenagogonus fluviorum* (Fabricius) with *Culex* larvae in the second **International symposium on vectors and vector borne diseases** held on 17 -19th March 1997, Goa, India
- Evaluation of larvicidal and antifeedant activity of two plants in **National symposium on biopesticides and insect pest management** held on 26-27th February 1998, at Entomology Research Institute, Loyola College, Chennai. Tamil Nadu, India
- Larvicidal efficacy of indigenous plants against *Culex quinquefasciatus* in the third **International symposium on vectors and vector borne diseases** held on 30th May - 1st June 1998, Puri, Orissa, India
- Antifeedant effects of five plants collected from Western Ghats, against the army worm *Spodoptera litura* Fabricius in **National symposium on emerging trends in biotechnological applications for integrated pest management** held on 25-26th February 1999, at Entomology Research Institute, Loyola College, Chennai, Tamil Nadu, India
- Predatory performance of *Diplonychus rusticus* on *Culex quinquefasciatus* exposed to the extracts of *Murraya koenigii* in **National symposium on profiles in aquatic insect biodiversity** held on 23-24th July 1999, at Post Graduate and Research Department of Zoology, Loyola College, Chennai, Tamil Nadu, India
- Detection and purification of a β -1,3 Glucan Binding Protein (β GBP) in the plasma of the marine mussel *Perna viridis* in **National seminar on comparative animal physiology**

for 21st century held on 13-15th December 2001, at Department of Zoology, Goa University, Goa, India

- Botanical extracts against the filarial vector, *Culex quinquefasciatus* larvae in **National conference on management of natural resources for our sustenance** held on 3-5th October 2002, at Loyola College, Chennai, Tamilnadu, India
- Botanical pesticides: Past, present and future in **National seminar on healthy environment for the next generation** held on 2-4th December 2004 at Loyola College, Chennai, Tamilnadu, India
- Screening of crude plant extracts for biological activity against army worm *Spodoptera litura* Fabricius in **National congress of entomology** held on 15-17th March 2006, at Punjabi University, Patiala, Punjab, India
- Botanical terminator of *Culex quinquefasciatus* in **National seminar on mosquito biodiversity and challenges in the control of mosquito-borne diseases** held on 19 - 20th February 2007 at Loyola College, Chennai, Tamilnadu, India
- Larvicidal activity of crude extracts of three plants against larvae of *Culex quinquefasciatus* Say in **Biopesticide international conference (BIOCICON)** held on 28 -30th November 2007 at St. Xavier's College, Palayamkottai, Tamilnadu, India
- Diet for Cancer prevention in **Regional symposium on newer challenges in laboratory diagnosis for life style disease** held on 17 - 18th December 2007 at Loyola College, Chennai, Tamilnadu, India
- Species diversity of giant freshwater prawn, *Macrobrachium* in **National seminar on biodiversity conservation and environmental biotechnology** held on 23 - 24th January 2008 at VSR & NVR College, Tenali, Andhra Pradesh, India
- Trauma care system in India - Current Scenario in **State level symposium on role of laboratories in trauma care and pre-emptive prevention of human diseases** held on 17 - 18th December 2008 at Loyola College, Chennai, Tamilnadu, India
- Larvicidal efficacy of *Jasminum* sp. (Oleaceae) flower extracts against the dengue and chikungunya vector *Aedes aegypti* L in **International conference on Vector Borne Diseases- combat and control** held on 22 -23rd January 2014 at Justice Basheer Ahamed Sayeed College for Women, Chennai, Tamilnadu, India
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International conference on Probing Bioscience for food Security and Environmental Safety held on 16-18th February 2014 at CRRI, Cuttack, Odisha, India

- Laboratory ethics in **Regional symposium on Recent Trends in Medical Laboratories in relation to lifestyle diseases** held on 13th September 2014 at Shri Academy for paramedical Education, Chennai, Tamilnadu, India
- Impact of climate change on Biodiversity in **National conference on achieving sustainable Development** held on 4 -5th December 2014 at Loyola College, Chennai, Tamilnadu, India
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- Conservation of medicinal plants in "**National symposium on Biodiversity**" held on 18th - 20th February 2015 at Department of Zoology, Thiruvalluvar University, Vellore, Tamilnadu, India
- Bioremediation : A review of biodiversity in "**National symposium on Biodiversity**" held on 18th -20th February 2015 at Department of Zoology, Thiruvalluvar University, Vellore, Tamilnadu, India
- Evaluation of mosquito larvicidal activity of *Jasminum sp.* extracts against the filarial vector *Culex quinquefasciatus* Say in "**National symposium on Biodiversity**" held on 18th -20th February 2015 at Department of Zoology, Thiruvalluvar University, Vellore, Tamilnadu, India.
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