

CURRICULUM VITAE



Name : **Dr. G. SASIREKA**

Father's Name : V. Ganesan

Date of Birth : 24.06.1981

Qualification : M.Sc., M.Phil., Ph.D., PGDCA,

Designation : Assistant Professor (Permanent Position)

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Sri Meenakshi Government Arts College for Women
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Educational Qualification:

Degree	Institute/University	Subject	Month & Year of Passing	Class
Ph.D.	Thiagarajar College, Madurai (Madurai Kamaraj University)	Zoology	April 2011	Awarded
M.Phil.	Thiagarajar College, Madurai (Madurai Kamaraj University)	Zoology	April 2005	First
M.Sc.	A.P.A. College of Arts and Culture, Palani (Madurai Kamaraj University)	Zoology	April 2004	First
B.Sc.	Government Arts College, Karur (Bharathidasan University)	Zoology	April 2002	First

Teaching Experience (Permanent Position (Under UGC pay scale)):

Designation	Name of the Institution	Pay Scale (Basic Pay + AGP)	Duration		Years & months of Experience
			From	To	
Assistant Professor	Pasumpon Muthuramalinga Thevar College, Usilampatti	Rs. 15,600/- + Rs. 6000/-	18.03.2013	25.09.2015	2 years & 6 months
Assistant Professor	Sri Meenakshi Government Arts College for Women, Madurai	Rs. 15,600/- + Rs. 6000/-	26.09.2015	Till Date	4 years & 8 months

Research Experience : 10 Years

Teaching Experience : 9 Years & 1 Month

Awards:

As a Project Fellow in UGC Major Research Project from 01.05.2007 to 31.03.2010.

Extra-curricular Activity:

NSS Programme Officer from 1.10.2015 to June, 2018.

Conducted 7 days NSS Special Camp in Thuvariman Village, Madurai District from 16.03.2017 to 22.03.2017.

Conducted 7 days NSS Special Camp in Thuvariman Village, Madurai District from 20.12.2017 to 26.03.2017.

Details of Research Work (Ph.D)

Year of Award : 2011

University : Madurai Kamaraj University, Madurai

Title of Study : Phylogeny of Arthropod Fauna

Subject Handling:

Post Graduate: Animal Behaviour, Microbiology, Biotechnology, Sericulture, Environmental Biology & Biodiversity, Human Genetics, Clinical Lab Technology, Genomics & Proteomics, etc.

Under Graduate: Cell & Molecular Biology, General Microbiology, Medical Biology, Sericulture, Biochemistry, Cell Biology, Vermiculture, Animal Physiology & Insect Pest Management, etc.

Research Activities:

Recognized as Research Guide/Supervisor for Ph.D. Zoology by Madurai Kamaraj University, Madurai, Tamilnadu.

Research Guidance:

M.Sc. (Guided) : 07

M.Phil. (Guided) : 03

PUBLICATIONS

In Journals:

1. Suresh, P., **G. Sasireka** and K.A.M. Karthikeyan. Molecular insights into the phylogenetics of the spiny lobsters of Gulf of Mannar Marine Biosphere Reserve based on 28S rDNA. *Indian Journal of Biotechnology*. 2012, 41: 182-186.
2. Karthikeyan, K.A.M., **G. Sasireka** and P. Suresh. Genetic diversity of *Rhizobium leguminosarum* isolates as revealed by random amplified polymorphic dna analysis. *Journal of Biosciences Research*. 2013, 4(1): 15-20.
3. Suresh, P., K.A.M. Karthikeyan and **G. Sasireka**. Genetic variability of populations of *Earias vittella* (Fab.) (Noctuidae: Lepidoptera) as revealed by Random Amplified Polymorphic DNA. *In Proceedings of XV AZRA International Conference on Recent Advances in Life Sciences*, Ethiraj College for Women, Chennai, India, 11-13 February, 2016, pp.55-58.
4. Karthikeyan, K.A.M., **G. Sasireka** and P. Suresh. Esterase polymorphism in the natural populations of the bruchid beetle, *Callosobruchus maculatus* (Fabr.) (Coleoptera: Bruchidae). *Journal of Applied Zoological Researches*. 2016, 27 (2): 185-189.
5. Karthikeyan, K.A.M., **G. Sasireka** and P. Suresh. Genetic variability of the bruchid beetle, *Callosobruchus maculatus* (F.) as revealed by Random Amplified Polymorphic DNA. *Indian Journal of Entomology*. 2018, 80(3): 773-776.
6. Dhanalakshmi, A., **G. Sasireka**, P. Suresh, P. Mani, P. Chellaperumal and K.A.M. Karthikeyan. Evaluation of mid-gut bacteria present in the larva of rice moth, *Corcyra cephalonica* (Stain.) (Pyralidae: Lepidoptera) fed on different grains using 16S rRNA sequence based culture dependent technique. *International Journal of Scientific & Technology Research*. 2020, 9(3): 1733-1737.
7. Karthikeyan, K.A.M. and **G. Sasireka**. Molecular docking and GC-MS data for the inhibition of RAD51 expression by a compound from *Clerodendrum inerme* L. *Bioinformation*. 2021, 17(8): 767-771.

- Dhanalakshmi, A., K.A.M. Karthikeyan and **G. Sasireka**. Molecular docking analysis of mTOR protein kinase with chromatographically characterized compounds from *Clerodendrum inerme* L. leaves extract. *Bioinformation*. (2022), 18(4): 381-386.

Database Library Source: Google Scholar					
Citation		<i>h</i> index		<i>i-10</i> index	
Total	Since 2017	Total	Since 2017	Total	Since 2017
5	5	1	1	0	0

Google Scholar ID:

<https://scholar.google.com/citations?user=7PRodFkAAAAJ&hl=en>

Research Papers Presented in International and National Symposia/Conference:

- Presented a paper in 2nd Conference on *Medical Arthropodology* organized by Centre for Research in Medical Entomology, Indian Council of Medical Research, Madurai, 15th & 16th December, 2008.
- Presented a paper in International Congress of *Global Warming on Biodiversity of Insects: Management and Conservation* organized by Department of Zoology, Bharathiar University, Coimbatore, 9th – 12th February, 2009.
- Presented a paper in National Seminar on *Bio-resource management – An integrated approach* organized by Department of Zoology, Fatima College, Madurai, 23rd & 24th July, 2009.
- Presented a paper in UGC sponsored National Seminar on *Advances in Biological Sciences* organized by Department of Zoology, Annamalai University, Chidambaram, 22nd & 23rd January, 2010.
- Presented a paper in International Seminar on “P.K. Mookkiah Thevar – The First Voice for Kachatheevu (A Historical, Political and Legal Review)” organized by the Department of Political Science, Pasumpon Muthuramalinga Thevar College, Usilampatti, Madurai, 5th September, 2014.
- Presented a paper in UGC sponsored International Conference on “Challenges and Opportunities in Life Sciences” organized by Department of Zoology, Sri Meenakshi Government Arts College for Women, Madurai, 5th and 6th April, 2016.

Seminar/Conference/Symposium/Workshop participated:

- Participated in the state level seminar on “Opportunities and Challenges in the Emerging Spaces of Higher Education” organized by IQAC, Sri Meenakshi Government Arts College for Women, Madurai, 4th September, 2019.

2. Participated in the HRD Initiative Training Programme on “Mental Health First Aid” organized by M.S. Chellamuthu Institute of Mental Health and Rehabilitation, Madurai and Rajiv Gandhi National Institute of Youth Development, Sriperumbudur, 8th to 10th March, 2017.
3. Participated in the UGC sponsored One Day International Conference on “Recent Trends in Materials Science and Applications” organized by the Department of Physics, Sri Meenakshi Government Arts College for Women, Madurai, 6th January, 2017.
4. Participated in the National Seminar on “Trends in Teaching and Research to Improve Higher Education” organized by Internal Quality Assurance Cell, N.M.S. Sermathai Vasanth College for Women, Madurai, 8th October, 2016.
5. Participated in the UGC sponsored “State Level Workshop on Tobacco Control for College Teachers” organized by Madurai Institute of Social Sciences, Madurai, 7th to 9th January, 2016.

Career Oriented Training Programmes:

1. UGC Sponsored Orientation Programme (84th), Human Resource Development Centre, Madurai Kamaraj University, Madurai, 31.08.2017 to 27.09.2017 (28 days) – Grade A.
2. Orientation Training - Empanelled Training Institution-National Service Scheme, Avinashilingam University, Coimbatore, 04.01.2018 to 10.01.2018 (7 days Training Programme for NSS Programme Officers).
3. UGC-HRDC Sponsored Online Refresher Course in Bio-Sciences (Interdisciplinary), Bharathidasan University, Tiruchirapalli, 11.12.2020 to 24.12.2020 (14 days) – Grade A.
4. Ministry of Education, PMMMNMTT sponsored online two week refresher course in “Life Sciences” by TLC, Ramanujan College, University of Delhi, from 01.09.2021 to 15.09.2021 (14 days) – Grade A+.

Gene Sequences Deposited in the World Gene Bank

Forty five 28S rDNA sequences of Arthropods have been deposited in NCBI GenBank. The accession numbers are:

EU871666 to EU871669 (4): *Diaboloecatantops pinguis* (EU871666), *Acrida exaltata* (EU871667), *Anacridium flavescens* (EU871668) and *Cyrtacanthacris tatarica tatarica* (EU871669).

EU878284 to EU878291 (8): *Atractomorpha crenulata* (EU878284), *Orthacris maindroni* (EU878285), *Pyrgomorpha bispinosa* (EU878286), *Harpaphe haydeniana* (EU878287), *Penaeus monodon* (EU878288), *Bombyx mori* (EU878289), *Gryllus bimaculatus* (EU878290) and *Scolopendra polymorpha* (EU878291).

FJ966368 to FJ966380 (13): *Panulirus versicolor* (FJ966368), *Panulirus ornatus* (FJ966369), *Panulirus homarus* (FJ966370), *Panulirus polyphagus* (FJ966371), *Thenus orientalis* (FJ966372), *Scylla serrata* (FJ966373), *Portunus pelagicus* (FJ966374), *Portunus sanguinolentus* (FJ966375), *Penaeus japonicus* (FJ966376), *Penaeus indicus* (FJ966377), *Heterometrus swammerdami* (FJ966378) *Odontotermes assmuthi* (FJ966379) and *Tabanus striatus* (FJ966380).

GQ472977 to GQ472983 (7): *Buthoscorpio politus* (GQ472977), *Mesobuthus tumulus tumulus* (GQ472978), *Thelyphonus sepiaris* (GQ472979), *Tetragnatha javana* (GQ472980), *Araneus inustus* (GQ472981), *Archispirostreptus gigas* (GQ472982) and *Chicobolus spinigerus* (GQ472983).

HM001353 to HM001361 (9): *Oziotelphusa bouvieri* (HM001353), *Rhipicephalus sanguineus* (HM001354), *Heteropoda venatoria* (HM001355), *Xenobolous carnifex* (HM001356), *Oryctes rhinoceros* (HM001357), *Parantica aglea aglea* (HM001358) and *Diplonychus indicus* (HM001359).

HM137302 to HM137305 (4): *Arthrosphaera* sp. 1 (HM137302), *Arthrosphaera* sp. 2 (HM137303), *Scolopendra indica* (HM137304) and *Geophilus flavus* (HM137305).

Seventeen 12S rDNA sequences of short-horned grasshoppers have been deposited in NCBI GenBank. The accession numbers are:

JQ247658 to JQ247674 (17): *Heteropternis respondens* (JQ247658), *Leva indica* (JQ247659), *Morphacris fasciata sulcata* (JQ247660), *Spathosternum prasiniferum prasiniferum* (JQ247661), *Oxya fuscovittata* (JQ247662), *Oxya nitidula* (JQ247663), *Xenocatantops humilis humilis* (JQ247664), *Phlaeobida angustipennis* (JQ247665), *Heteracris pulcher* (JQ247666), *Aiolopus thalassinus tumulus* (JQ247667), *Stenocatantops splendens* (JQ247668), *Oedaleus senegalensis* (JQ247669), *Tylotropidius varicornis* (JQ247670), *Crucinotacris decisa* (JQ247671), *Hieroglyphus banian* (JQ247672), *Orthacris maindroni* (JQ247673) and *Pyrgomorpha bispinosa* (JQ247674).