

**Government Arts college (Autonomous), Coimbatore – 18**  
**Performance - Teacher Appraisal Report**

**i) General Information**

- a) Name: Dr. R. S. MOHANRAJ
- b) Address (Residential): 85/59, Koothanda Koil Street,  
Ramanathapuram, Alandurai,  
Coimbatore – 641 101.
- Mobile No.: 9715288227
- c) Designation: Associate Professor
- d) Department: Zoology
- e) Date of Birth: 24.06.1973
- f) Area of Specialization: Entomology



**A) Academic Qualifications**

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
High School	Tamil, English, Maths, Science, Social Science	SSLC	1988	III Class
Higher Secondary or Pre-degree	Biology	HSE	1990	II Class
Bachelor's Degree (s)	Zoology	Bharathiar University	1993	II Class
Master's Degree (s)	Zoology	Bharathiar University	1995	I Class
Research Degree (s)	M.Phil. Zoology Ph.D. Zoology	Bharathiar University Bharathiar University	1996	
			2003	
Other Diploma/ Certificates etc.				

**ii) Research Experience & Training**

<b>Research Stage</b>	<b>Title of work / Thesis</b>	<b>University where the work was carried out</b>
M. Phil. or Equivalent	Studies on the effect of neem seed kernel extract on the larvae of <i>Helicoverpa armigera</i>	Bharathiar University
Ph. D.	Studies on some aspects of the effect of neem extract on egg hatching, development, reproductive potential and oviposition of <i>Aedes aegyptii</i>	Bharathiar University
Post-Doctoral		
Publications (give a list separately)	Annexure I	
Research Guidance (give names of students guided successfully)	Annexure II	
Training (please specify)	No	

**B) Research Projects carried out NIL**

<b>S. No.</b>	<b>Title of the Project</b>	<b>Name of the Funding Agency</b>	<b>Duration</b>	<b>Remarks</b>

**C) Seminars, Conferences, Symposia Workshops etc. attended (If necessary give a separate list)**

<b>Name of the Seminars / Conferences / Symposia / Workshops etc</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
Annexure III		

**iii) Teaching Experience**

<b>Courses Taught</b>	<b>Name of the University / College / Institution</b>	<b>Duration</b>
iv) UG (BA / B.Sc., etc. Pass) (BA / B.Sc., etc. Hons.)	Kongunadu Arts & Science College, Coimbatore	16.01.2006 to 01.07.2007
	Government Arts College, Salem – 7	09.07.2009 to 15.07.2010
	Government Arts College, Coimbatore	16.07.2010 till date
v) PG (MA / M.Sc., etc.)	Government Arts College, Coimbatore	16.07.2010 till date
vi) M. Phil.	Government Arts College, Coimbatore	16.07.2010 till date
vii) Any other Ph.D.	Government Arts College, Coimbatore	16.07.2010 till date

**Total Teaching Experience (in years and months) :**

- a) Under-graduate (Pass) : 14 Years 7 Months  
b) Under-graduate (Hons.) : NA  
c) Post-graduate : 13 Years 7 Months

**viii) Innovations/ Contributions in Teaching (If necessary give a separate list)**

a) Design of Curriculum :	Setting of syllabus with reference to University
b) Teaching methods :	Lecture method, audio visual presentation, assignment and seminar methods
c) Laboratory experiments :	Conducting regular practicals for UG & PG students
d) Evaluation methods :	Conducting tests, seminars, assignments, questioning methods
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	Preparing resource materials in native language
f) Remedial Teaching / Student Counseling (academic) :	Special attention given to slow learners
g) Any other :	Tutorial system

**ix) Extension Work/ Community Service** *(If necessary give a separate list)*

a) Please give a short account of your contribution to:

i) Community work such as values of National Integration, secularism, democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc.

ii) National Literacy Mission

b) Positions held / leadership role played in organizations linked with Extension Work National Service Scheme (NSS), or NCC or any other similar activity

**D. Participation in Corporate Life**

Please give a short account your contribution to:

a) College/ University / Institution	
b) Co-curricular Activities	
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	
d) Students Welfare and Discipline	
e) Membership / Participation in Bodies / Committees on Education and National Development	
f) Professional Organization of Teachers	

**E.**

(a) Membership of Professional Bodies, Societies etc.

(b) Editorship of Journals

**F. Any other information**

**R S MOHANRAJ**

**(Signature of the Teacher)**

## Research publications

- 1..Saranya, M., Mohanraj, R.S. and Dhanakkodi, B., 2013 a. Ovicidal and oviposition deterrence activity of aqueous leaf extract of *Spathodea campanulata* P. Beauv. (Bignoniaceae) against *Aedes aegypti* (Diptera:Culicidae). *Int. J. Rec. Sci .Res.*, 4: 28-34.
- 2.Saranya, M., Mohanraj, R.S. and Dhanakkodi, B ., 2013 b. Larvicidal , pupicidal activites and morphological deformities of *Spathodea campanulata* aqueous leaf extract against the dengue vector *Aedes aegypti*. *Euro. J. Exp. Bio.*, 3: 205-213.
- 3.Saranya, M., Mohanraj, R.S. and Dhanakkodi, B., 2013 c. Adult emergence and prolong larval duration effects of *Spathodea campanulata* aqueous leaf extract against the dengue vector *Aedes aegypti* . *Advance Appl. Sci. Res.*, 4: 372 – 380.
- 4.Karthika Devi, K ., Mohanraj , R.S. and Dhanakkodi, B . 2013. Mosquitocidal activites of *Spathodea campanulata* methanolic leaf extract against the dengue vector *Aedes aegypti*. *Asian J. plant. Sci. Res .*, 3 : 138 - 149.
5. Pravin, Y., Saranya, M., Sivakumar, T., Mohanraj, R.S. and Dhanakkodi, B. 2014. Oviposition deterrent activity of acetone leaf extract of *Spathodea campanulata* P. Beauv. (Bignoniaceae) against chikungunya vector *Aedes aegypti* (Diptera: Culicidae). *Am. J. Pharm. Health Res.*, 2 : 1-16.
6. Mahendran, S., Pravin, Y., Saranya, M., Sivakumar, T., Mohanraj R.S. and Dhanakkodi, B. 2015. Ovipositional deterrence, ovicidal and developmental effects of *Pithecellobium dulce* (Roxb.) Benth. (Fabaceae) aqueous leaf extract against dengue vector mosquito *Aedes aegypti* (Diptera: Culicidae). *Int. J. Curr. Res. Biosci. Plant Biol.*, 2: 79-91.
7. Pravin, Y., Saranya, M., Sivakumar, T., Mahendran, S., **Mohanraj, R. S.**and Dhanakkodi , B. 2015. Larvicidal, pupicidal, ovicidal activity and GC-MS analysis of *Spathodea campanulata* P .Beauv.(Bignoniaceae) acetone leaf extract against the dengue vector mosquito *Aedes aegypti* (Diptera :Culicidae). *Int.J.Curr.Res.Aca.Rev.*, 3: 92-111.
8. Navaneethan, M., Y. Pravin, M. Saranya, T. Sivakumar, R. S. Mohanraj and Dhanakkodi,B. 2016. *Tecoma stans* (L.) Juss.ex Kunth (Bignoniaceae) a prospective mosquitocide in the management of Zika virus vector mosquito *Aedes aegypti* (Diptera:Culicidae). *Int.J.Curr.Microbiol.App.Sci.*5(4): 869-889.

9. Palanikumar, M., Pravin, Y., Navaneethan, M., Mahendran, S., Mohanraj, R.S. and Dhanakkodi, B. 2017. *Callistemon citrinus* (Myrtaceae) methanolic leaf extract: a potent mosquitocidal agent for controlling dengue vector mosquito *Aedes aegyptii* (Diptera: Culicidae). *J. Entomol. Zool. Stud.* 5(3): 1051-1059.
10. Palanikumar, M., Pravin, Y., Navaneethan, M., Mahendran, S., Mohanraj, R.S. and Dhanakkodi, B. 2017. Evaluation of ovicidal and developmental effects of *Callistemon citrinus* (Myrtaceae) methanolic leaf extract against human dengue vector *Aedes aegyptii* (Diptera: Culicidae). *Int. J. Mosq. Res.* 4(4): 05-11.
11. Karthiyani, N., Pravin, Y., Palanikumar, N., Mohanraj, R.S. and Sujatha, P.S. 2018. Mosquitocidal efficacies of the medicinal plant *Senna alata* methanolic leaf extract against dengue and zika virus vector *Aedes aegyptii*. *Int. J. Pharma. Bio. Sci.* 9(3): 244-255.
12. Pravin, Y. and **Mohanraj R.S.** 2019. Bio efficacy of *Spathodea campanulata* P.BEAUV. (Bignoniaceae) hexane leaf extract against dengue and zika virus vector *Aedes aegyptii* (Diptera: Culicidae) *Int. J. Adv. Res.* 7(2), 657-672.
13. Rashika, D., Keerthika, S., Mohanraj, R.S., M Saranya, M., Sujatha, P.S. 2022. Oviposition deterrent efficacies of *Terminalia catappa* Linn. (Combretaceae) methanol and acetone leaf extracts against *Aedes aegyptii* (Diptera: Culicidae). *Int. J. Entomol Res.*, 7(8):153-159.
14. Sabareeshwari, G., S. Jagathiskumar, S., D. Sowmiya, D., Preesha, K., Saranya, M and Mohanraj, R.S. 2022. Larvicidal activities of *Merremia dissecta* (Jacquin) Hallier f. and *Peltrophorum pterocarpum* (DC.) Backer ex k. Heyne leaves against *Aedes aegyptii* (Diptera: Culicidae). *Asian J. Res. Zoo.*, 5(4): 53-64.
15. Krishnaveni, G., Tamilarasi, A., Mohanraj, R.S. and Saranya, M. 2023. Impact of *Caesalpinia pulcherrima* (L.) Sw. (Fabaceae) ethanol and acetone leaf extracts on the *Aedes aegyptii* (Diptera: Culicidae) eggs. *Int. J. Zoo. Investi.*, 9(1):247-256.
16. Sasikala, K. P and Mohanraj R.S. 2023. Developmental effects of acetone, hexane and chloroform leaf extracts of *Millingtonia hortensis* L. f. (Bignoniaceae) against *Aedes aegyptii* (Diptera: Culicidae) *Res. J. Agri. Sci.*, 14 (02): 548-551.
17. Sasikala, K. P and Mohanraj, R.S. 2023. Insecticidal Effects of ethanolic leaf extract of *Millingtonia hortensis* L.f. (Bignoniaceae) against *Aedes aegyptii* (Diptera: Culicidae). *J. Adv. Sci. Res.*, 14 (02): 71-76.

## Research Guidance

### M.Phil. Zoology

S. No.	Name of the Scholar	Year	FT/PT	University	Pursuing/Completed/ Awaiting Viva
1	M. Saranya	2012	FT	Bharathiar University	Completed
2	N. Navaneethan	2018	FT	Bharathiar University	Completed
3	M. Palanikumar	2019	FT	Bharathiar University	Completed

### Ph. D. Zoology

#### Scholars with Ongoing Ph.D.

Sl.No	Name of the PhD scholars (FT)	Name of the University	Broad Field	Registration Number	Year of registration
1.	K.P. Sasikala	Bharathiar	Entomology	25129/B1/2015	2015
2.	K. Preesha	Bharathiar	Entomology	22714/B5/2019	2019
3.	A. Priyadharshni	Bharathiar	Entomology	CRE/ZOO 21PDEC 1615/2022	2021
4.	R. Sindhumathi	Bharathiar	Entomology	CRE/ZOO 21PDEC 1616/2022	2021
5.	D.Rashika	Bharathiar	Entomology	CRE/ZOO 22PNOV 1222/2022	2022
6.	S. Keerthika	Bharathiar	Entomology	CRE/ZOO/ 22PNOV 1223/2022	2022

**Scholars who have been awarded Ph. D.**

Sl.No.	Name of the PhD Scholar (FT)	Name of the University	Title of the thesis	Year of registration	Year of award of PhD
1.	M. Saranya	Bharathiar	Bioefficacy of Leaf Extracts of <i>Spathodea campanulata</i> P.Beauv. (Bignoniaceae) against dengue and zika virus vector <i>Aedes aegypti</i> (Diptera: Culicidae)	20407/B1/2013	2021
2.	Y, Pravin	Bharathiar	Mosquitocidal properties of <i>Spathodea campanulata</i> P.Beauv. (Bignoniaceae) Leaf extracts against dengue and zika virus vector <i>Aedes aegypti</i> (Diptera: Culicidae)	21327/B1/2014	2021



### Seminars, Conferences, Symposia Workshops etc. attended

Name of the Workshop/ Seminar / Conference	Name of the Sponsoring Agency	Place and Date
National Seminar on, “Advanced technologies in biosciences for teachers and researchers”		Kongunadu Arts & Science College, Coimbatore January 27 <sup>th</sup> – 28 <sup>th</sup> , 2008
National workshop on. “Molecular techniques in biological sciences”		Kongunadu Arts & Science College, Coimbatore February 25 <sup>th</sup> – 28 <sup>th</sup> , 2008
State level seminar on, “Recent advances in biofuel technology for the development of rural people”	UGC	Kongunadu Arts & Science College, Coimbatore September 24 <sup>th</sup> – 25 <sup>th</sup> , 2008
National seminar on, “Advances in biological sciences”		Annamalai University, Annamalainagar. January 22 <sup>nd</sup> – 23 <sup>rd</sup> , 2010
2 <sup>nd</sup> International congress on, “Global warming on biodiversity of insects”	DRDO ICMR	Bharathiar University, Coimbatore August 24 <sup>th</sup> – 26 <sup>th</sup> , 2011
International Symposium on, “Environmental Risk Assessment 2011”	Bharathiar University, DBT, CSIR, TNSCST	Bharathiar University, Coimbatore October 17 <sup>th</sup> – 19 <sup>th</sup> , 2011
International Conference on, “Environment, Genes, Health & Disease 2011”	CSIR, ICMR, INSA	Bharathiar University, Coimbatore December 9 <sup>th</sup> – 11 <sup>th</sup> , 2011
National Seminar on, “Forest Bioresources and Management”	UGC	PSGR Krishnammal College for Women, Coimbatore December 19 <sup>th</sup> – 20 <sup>th</sup> , 2011
2 <sup>nd</sup> Symposium on, “Animal Welfare and Conservation”	Animal Rescuers, SACON, WWF, FIAPO, Wildlife Research & Conservation Trust, Save Coimbatore Wetlands, Young Indians	Nirmala College for Women, Coimbatore January 24 <sup>th</sup> – 25 <sup>th</sup> , 2012
Workshop on, “Animal alternatives to replace the animals in life sciences”	Mahatma Gandhi Doerankanp Centre	Govt. Arts College, Salem February 10 <sup>th</sup> , 2012
Workshop on, “Cellular functions and Microscopy”	Lawrence & Mayo	Karpagam University, Coimbatore March 8 <sup>th</sup> , 2012
National Conference on, “Recent Advances in Computational Biology”	UGC	PG & Research Dept. of Zoology, Govt. Arts College, Karur March 9 <sup>th</sup> , 2012

National Conference on, “Environment, Biodiversity and Bioethics – Current Trends and Future Perspectives – 2012”	UGC & ICMR	Dept. of Zoology, Annamalai University, Annamalainagar March 23 <sup>rd</sup> – 24 <sup>th</sup> , 2012
International conference on, “Conservation strategies for bioresources”	UGC, DBT, CSIR, DRDO	PSGR Krishnammal College for Women, Coimbatore February 5 <sup>th</sup> – 6 <sup>th</sup> , 2013
National Conference on, “Role of Biotechnology in Conservation of Biodiversity”	UGC	PG & Research Dept. of Biotechnology, Kongunadu Arts & Science College, Coimbatore, from April 9 <sup>th</sup> -10 <sup>th</sup> , 2013
VI Louis Pasteur Memorial National Symposium on, “Perception of Microbes in Human Health and Environment”	KMCH	Dept. of Microbiology, Dr. N. G. P. Arts & Science College, Coimbatore, on 22 <sup>nd</sup> August, 2013
3 <sup>rd</sup> International Congress on, “Global Warming on Biodiversity of Insects: Management and Conservation Strategies”	Bharathiar University	Department of Zoology, Bharathiar University, Coimbatore, from November 26 <sup>th</sup> – 28 <sup>th</sup> , 2013
National Seminar on, “Prospecting for Today’s World”	Bharathiar University	Dept. of Microbial Biotechnology, Bharathiar University, Coimbatore, on January 8 <sup>th</sup> , 2014
National Seminar on, “Trends in Environmental Resource Management”	UGC	PG & Research Dept. of Zoology, Nirmala College for Women, Coimbatore, in collaboration with Dept. of Environmental Management, Bharathidasan University, Tiruchirapalli, August 7-8 <sup>th</sup> , 2014
International Conference on, “Physiology and Medicine”	Periyar University, Salem	Dept. of Zoology, Periyar University, Salem, October 15 <sup>th</sup> -17 <sup>th</sup> , 2014
International Seminar on, “Emerging Contaminants and Environmental Bioremediation”	Periyar University, Salem	Dept. of Environmental Science, Periyar University, Salem, on January 27 <sup>th</sup> , 2015
Symposium on, “Motivating teachers for acquiring classroom skills”	UGC	Govt. Arts College, Coimbatore March 18 <sup>th</sup> , 2015
CME National Seminar on, “Advances in Basic and Clinical Immunology”	Bharathiar University, Coimbatore, & Indian Immunology Society, New Delhi	Dept. of Zoology, Bharathiar University, Coimbatore, September 15 <sup>th</sup> -16 <sup>th</sup> , 2015

3 <sup>rd</sup> National conference on, “Biodiversity conservation”		Sree Narayana Guru College, Coimbatore September 30 <sup>th</sup> , 2015
International Conference on, “Converging Biotechnological Innovations for Health, Food and Environmental Welfare”	DBT	Dept. of Biotechnology, Karunya University, Coimbatore December 2 <sup>nd</sup> -4 <sup>th</sup> , 2015
National Seminar on, Emerging Trends in Biosciences”	UGC & Kongunadu Arts & Science College, Coimbatore	PG & Research Dept. of Zoology, Kongunadu Arts & Science College, Coimbatore December 8 <sup>th</sup> , 2015
National conference on, “Vermitechnology in human welfare”	DBT, TNSCST	Kongunadu Arts & Science College, Coimbatore December 16 <sup>th</sup> – 18 <sup>th</sup> , 2015
National Conference on, “Frontier Contemporary Horizons in Bioinformatics and Computational Biology”	DBT	Dept. of Botany and Bioinformatics, Nirmala College for Women, Coimbatore January 21 <sup>st</sup> -22 <sup>nd</sup> , 2016
National Conference on, “Exploring New Frontiers in Aquatic Sciences”	Kongunadu Arts & Science College, Coimbatore	PG & Research Dept. of Zoology, Kongunadu Arts & Science College, Coimbatore October 5 <sup>th</sup> , 2016
National seminar on, “Recent trends and challenges in bioscience”		Khadir Mohideen College, Thanjavur October 16 <sup>th</sup> , 2016
National conference on, “Basic and applied biological science research”		Bharathiar University, Coimbatore October 10 <sup>th</sup> – 11 <sup>th</sup> , 2018
National Seminar on, “Advances in Biological Sciences Research”	Department of Biotechnology (DBT), Ministry of Science & Technology	PG & Research Dept. of Zoology, Nirmala College for Women, Coimbatore September 19-20, 2018
National Workshop on, “Advanced Studies in Life Sciences – Gaps and Scope”	TNSCST	Dept of Zoology, Govt. Arts College, Coimbatore, 25 January, 2019
International Conference on Impact of Innovations in Science and Technology for Societal Development (IISTSD – 2019)	SERB, ISCA – Coimbatore chapter	Kongunadu Arts and Science College, Coimbatore on 19 - 21, September 2019
National Seminar titled Biodiversity for Agriculture and Medicine: Current Status and Future Prospectives	UGC	Bharathiar University, Coimbatore on 3 – 4 October 2019
National webinar on ICT enabled higher education in India	Guru Angad Dev Teaching Learning	13 <sup>th</sup> July 2020.

	Centre, SGTB Khalsa College, University of Delhi, - A Center of MHRD under PMMMMNMTT	
National webinar on Wildlife conservation and management with special focus on threatened species of India	ZSI, Kolkata	14 <sup>th</sup> July 2020.
National Webinar on Frontiers of biodiversity conservation and herbal research	BSI, Kolkata	9 <sup>th</sup> August 2020.
National Webinar on Fresh water fish diversity in India	ZSI, Hyderabad	13 <sup>th</sup> August 2020.
Webinar on Underwater treasures – The Corals organized by Marine aquarium	ZSI, Digha West Bengal,	24 <sup>th</sup> September 2020
National Webinar on Herpetology	Training and Extension Division, ZSI, Kolkata	20 <sup>th</sup> January 2021
Webinar on UGC's Career Advancement Scheme (CAS) for Faculty in Higher Education	Teaching Learning Centre, Ramanujan College, University of Delhi	7 <sup>th</sup> February 2021
National Webinar entitled "NEP-2020: Innovative Pedagogies for Quality Education	Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi, - A Center of MHRD under PMMMMNMTT	11 <sup>th</sup> January 2022
National Webinar on "Aquaculture: Scope and Prospects"	Department of Zoology, Government Arts College, Coimbatore	12 <sup>th</sup> January 2022
National Webinar entitled "Experiential Learning as Envisaged in NEP-2020	Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi, - A Center of MHRD under PMMMMNMTT	19 <sup>th</sup> June 2022
National Conference on Harnessing Biology for Sustainable Development	DBT-CTEP	Department of zoology, Nirmala college for women, Coimbatore on 16 <sup>th</sup> & 17 <sup>th</sup> February 2023
National Seminar on "Edge of	Department of Zoology	Department of zoology,

Existence and Human Wildlife Conflict”		Government Arts College, Coimbatore on 28 <sup>th</sup> February 2023.
<b>Webinar Organised</b>		
Prospects of a Self-sustained Aquaponic Food Production Systems in India	Department of Zoology	Department of Zoology, Government Arts College, Coimbatore on 13 <sup>th</sup> April 2022.