

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

i) General Information

- a) Name: **Dr. Clara Gunapoorani Sargunar**
- b) Address (Residential): 145, Dr. Nanjappa Road,
 Coimbatore – 641 018, Tamilnadu, India.
 Mobile No.: 9363114874
- c) Designation: Associate Professor
- d) Department: PG & Research Department of Zoology,
- e) Date of Birth: 25.03.1971
- f) Area of Specialization: Microbiology, Molecular Biology & Bioremediation



A) Academic Qualifications

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
High School	English, Tamil, Maths, History, Geography, Physics, Chemistry, Biology	Matriculation	1986	First Class
Higher Secondary or Pre-degree	English, Tamil, Physics, Chemistry, Botany, Zoology	HSE	1988	First Class
Bachelor's Degree	Zoology	Bharathiar University	1991	First Class
Master's Degree	Zoology	Bharathiar University	1993	First Class
Research Degrees (s)	M.Phil. Endocrinology (Interdisciplinary)	University of Madras	1994	Highly Commended
	Ph.D. Zoology	Bharathiar University	2015	
Other Diploma/ Certificates etc.	CSIR JRF cum SRF with NET	CSIR-UGC	June 1995	Awarded

ii) Research Experience & Training

Research Stage	Title of work / Thesis	University where the work was carried out
M. Phil. or Equivalent	Effect of Methimazole-induced Fetal and Neonatal Hypothyroidism on Cardiac Enzymes	University of Madras
Ph. D.	Isolation, Identification and Azo Dye Decolorizing Potential of Bacteria from Textile Dye Effluent and its Control by Biogenic Silver Nanoparticles	Bharathiar University
Post-Doctoral	-	-
Publications	List Enclosed (Annexure I)	
Research Guidance)	List Enclosed (Annexure II)	
Training	List Enclosed (Annexure III)	

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
1	Microbial populations in textile dye effluent from Tirupur – a molecular approach	UGC	2011-13	Completed
2	Assessment of Bacteriological Quality and Presence of Antibiotic Resistant Bacteria in Vended Sachet-packaged Drinking Water: Potential Threat of Transmission of Enteric Pathogens and Implications for Public Health	TANSCHE	2013-14	Completed

C) Seminars, Conferences, Symposia Workshops etc. attended

Name of the Seminars / Conferences / Symposia / Workshops etc	Name of the Sponsoring Agency	Place and Date
List Enclosed (Annexure IV)		

iii) Teaching Experience

	Courses Taught	Name of the college	Duration
(i)	UG (B.Sc. Zoology)	DG Govt. Arts College, Mayiladuthurai.	02.11.98 – 31.07.2000
		Govt.ArtsCollege, Udhagamandalam.	01.08.2000 – 07.07.2008
		LRG Govt. Arts College, Tirupur	08.07.2008 – 14.07.2010
		Govt. Arts College, Coimbatore	15.07.2010 – till date
(ii)	PG (M.Sc. Zoology)	Govt.ArtsCollege, Udhagamandalam.	2005 - 2008
		Govt. Arts College, Coimbatore	2010 – till date
(iii)	M.Phil	Govt. Arts College, Coimbatore	2011 – till date
(iv)	Any other	-	-

Total Teaching Experience (in years and months) :

- a) Under-graduate (Pass) : 20 Years 7 Months (as on 31.05.2019)
- b) Under-graduate (Hons.) : NA
- c) Post-graduate : 12 Years

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

a) Design of Curriculum :	<p>(i) Member, PG Board of Studies, BharathiarUniversity (2006-2008)</p> <p>(ii) Member, UG Board of Studies, NirmalaCollege, Coimbatore (2006-2008)</p> <p>(iii) Member, Board of Studies, Govt.ArtsCollege, Coimbatore (2008-2009)</p> <p>(iv) Member, UG Board of Studies, BharathiarUniversity (2009-2011)</p> <p>v) Member, Board of Studies, Nirmala College, Coimbatore (2016-17)</p> <p>vi) Member, Board of Studies, Erode Arts College, Erode (2017-18)</p>
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b) Teaching methods :	Lectures, Demonstrations, Field visits, Assignments, Power point presentations, Seminars, Discussion
c) Laboratory experiments :	Demonstrations, Individual practice, Laboratory visits
d) Evaluation methods :	Monthly tests, Model exams, Oral quizzing
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	Supplied study material relevant to the syllabus, Study materials downloaded from the internet
f) Remedial Teaching / Student Counseling (academic) :	Remedial coaching classes for academically weak students, academic and career counselling
g) Any other :	

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.:

Has created awareness about socio-economic problems, environment, etc. Contributed to relief of physically challenged children, disasters like tsunami and earthquake victims

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

Member of Nilgris Wildlife Association, created social & environmental awareness among students & society, campaigned against use of plastics.

D. Participation in Corporate Life

Please give a short account your contribution to:

a) College/ University / Institution	Started M.Sc. programme in Wildlife biology in GAC, Ooty in 2005, drafted syllabus, conducted seminar, admissions, library, PWD, lab renovation & design, help in conduct of Wildlife Week celebrations
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b) Co-curricular Activities	Participated in tiger census & wildlife census with students
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	Encouraged student participation in fine arts & cultural programmes, was hostel resident tutor in DGGAC, Mayiladuthurai
d) Students Welfare and Discipline	Conducted tutorial ward meetings and counselled students
e) Membership / Participation in Bodies / Committees on Education and National Development	(i) Member, PG Board of Studies, BharathiarUniversity (2006-2008) (ii) Member, UG Board of Studies, NirmalaCollege, Coimbatore (2006-2008) (iii) Member, Board of Studies, Govt.ArtsCollege, Coimbatore (2008-2009) (iv) Member, UG Board of Studies, BharathiarUniversity (2009-2011)
f) Professional Organization of Teachers	Life member, Indian Science Congress Association

E.

(a) Membership of Professional Bodies, Societies etc.

i) Member, Nilgris Wildlife Association

ii) Awarded Life Membership to the Indian Association of Applied Microbiologists (No. LM 392) on 9th September, 2016

(b) Editorship of Journals -

F. Any other information

Contributed to the focus group discussion on, “Governance and Management of Higher Education in India”, organised on behalf of CPRHE / NUEPA, New Delhi, at Bharathiar University, Coimbatore, on 27-28 January, 2016

CLARA GUNAPOORANI SARGUNAR

(Signature of the Teacher)

ANNEXURE I
LIST OF PUBLICATIONS

S.No	Author & Year	Title of the Paper	Name of the Journal	Vol. No. & Pg. No
1	Baskaralingam Vaseeharan, Clara Gunapoorani Sargunar , Yong Chin Lin, Jiann Chu Chen (2012)	Green synthesis of Silver nanoparticles through <i>Calotropis gigantea</i> leaf extracts and evaluation of antibacterial activity against <i>Vibrio alginolyticus</i> .	<i>Nanotech Devpt</i>	Volume 2: e3
2	Clara G Sargunar & Ravishankar S (2012)	Occupational Diseases in Textile Dyers – A Brief Review.	<i>J Res Biol</i>	2(7): 626-633
3	Clara G Sargunar (2009)	Farm Animal Genomics – Current Perspectives and Prospects	<i>Proceedings of Alagappa University & TNSCHE sponsored National Seminar on, “Application of Genomics and Bioinformatics in Animal Health and Management”</i> , (Full paper), 25 th &26 th March 2009, Alagappa University, Karaikudi.	24-30
4	Clara G Sargunar (2010)	Applications of Confocal Microscopy in Animal Model Systems	<i>Proceedings of International Seminar on, “Applications of Confocal Microscopic Techniques in Animal Health Management”</i> , (Full paper), 29 th & 30 th March, 2010, Alagappa University, Karaikudi.	21-29
5	Clara G Sargunar (2013)	DNA Vaccines – A brief review (OP2).	<i>Proceedings of International Seminar on, “Recent Trends in Aquatic Animal Biotechnology”</i> (Full paper), 21 st & 22 nd October 2013, Alagappa University, Karaikudi.	PP 20-23
6	Mahalingam Anjugam, Baskaralingam Vaseeharan, Arokiadhas Iswarya, Mani Divya, Gunapoorani Sargunar Clara (2016)	Involvement of Pattern Recognition Proteins in Invertebrate Immune System	<i>J. Fish Soc. Taiwan</i>	43(4): 297-311
7	K Ramamoorthy & Clara G Sargunar (2017)	Assessment of Bacteriological Quality and Presence of Antibiotic-	<i>Alagappa Univ. J. Biol. Sci.</i>	1(1): 117-131

		Resistant Bacteria in Vended Sachet Packaged Drinking Water: Potential Threat of Transmission of Enteric Pathogens and Implications for Public Health		
GENE PATENTS				
1	Vaseeharan,B, Vinoj G., Clara,GS& Manju,S.,Dec. 2010	<i>Bacillus pumilus</i> dahb3 16S ribosomal RNA gene, partial sequence	GenBank:	HQ693273
2	Sargunar CG & Ravishankar S, Feb. 2014	<i>Zobellella sp.</i> CGS1 16S ribosomal RNA gene, partial sequence	GenBank:	KF886271.1
3	Sargunar CG & Ravishankar S, Feb. 2014	<i>Zobellella sp.</i> CGS2 16S ribosomal RNA gene, partial sequence	GenBank:	KF886272.1
4	Sargunar CG& Ravishankar S, Feb. 2014	<i>Lysinibacillus fusiformis</i> strain CGS3 16S ribosomal RNA gene, partial sequence	GenBank:	KF886273.1
5	Sargunar CG & Ravishankar S, Feb. 2014	<i>Zobellella sp.</i> CGS4 16S ribosomal RNA gene, partial sequence	GenBank:	KF886274.1
6	Sargunar CG & Ravishankar S, Feb. 2014	<i>Alishewanella sp.</i> CGS5 16S ribosomal RNA gene, partial sequence	GenBank:	KF886275.1
7	Sargunar CG & Ravishankar S, Feb. 2014	<i>Providencia vermicola</i> strain CGS6 16S ribosomal RNA gene, partial sequence	GenBank:	KF886276.1
8	Sargunar CG & Ravishankar S, Feb. 2014	<i>Pseudomonas mendocina</i> strain CGS7 16S ribosomal RNA gene, partial sequence	GenBank:	KF886277.1
9	Sargunar CG & Ravishankar S, Feb. 2014	<i>Zobellella denitrificans</i> strain CGS8 16S ribosomal RNA gene, partial sequence	GenBank:	KF886278.1
10	Sargunar CG & Ravishankar S, Feb. 2014	<i>Providencia vermicola</i> strain CGS9 16S ribosomal RNA gene, partial sequence	GenBank:	KF886279.1
11	Sargunar CG & Ravishankar S, Feb. 2014	<i>Zobellella sp.</i> CGS10 16S ribosomal RNA gene, partial sequence	GenBank:	KF886280.1
12	Sargunar CG & Ravishankar S, Feb.	<i>Kocuria turfanensis</i> strain CGS11 16S ribosomal RNA	GenBank:	KF886281.1

	2014	gene, partial sequence		
13	Sargunar CG & Ravishankar S, Feb. 2014	<i>Bacillus firmus</i> strain CGS12 16S ribosomal RNA gene, partial sequence	GenBank:	KF886282.1
14	Sargunar CG & Ravishankar S, Feb. 2014	<i>Microbacterium sp.</i> CGS13 16S ribosomal RNA gene, partial sequence	GenBank:	KF886283.1
15	Sargunar CG & Ravishankar S, Feb. 2014	<i>Bacillus pumilus</i> strain CGS14 16S ribosomal RNA gene, partial sequence	GenBank:	KF886284.1
16	Sargunar CG & Ravishankar S, Feb. 2014	<i>Bacillus sp.</i> CGS15 16S ribosomal RNA gene, partial sequence	GenBank:	KF886285.1
17	Sargunar CG & Ravishankar S, Feb. 2014	<i>Bacillus firmus</i> strain CGS16 16S ribosomal RNA gene, partial sequence	GenBank:	KF886286.1
18	Sargunar CG & Ravishankar S, Feb. 2014	<i>Exiguobacterium aurantiacum</i> strain CGS17 16S ribosomal RNA gene, partial sequence	GenBank:	KF886287.1
19	Sargunar CG & Ravishankar S, Feb. 2014	<i>Exiguobacterium aurantiacum</i> strain CGS18 16S ribosomal RNA gene, partial sequence	GenBank:	KF886288.1
20	Sargunar CG & Ravishankar S, Feb. 2014	<i>Exiguobacterium aurantiacum</i> strain CGS19 16S ribosomal RNA gene, partial sequence	GenBank:	KF886289.1
21	Sargunar CG & Ravishankar S, Feb. 2014	<i>Exiguobacterium aurantiacum</i> strain CGS20 16S ribosomal RNA gene, partial sequence	GenBank:	KF886290.1
22	Sargunar CG & Ravishankar S, Feb. 2014	<i>Exiguobacterium aurantiacum</i> strain CGS21 16S ribosomal RNA gene, partial sequence	GenBank:	KF886291.1
23	Sargunar CG & Ravishankar S, Feb. 2014	<i>Exiguobacterium aurantiacum</i> strain CGS22 16S ribosomal RNA gene, partial sequence	GenBank:	KF886292.1
24	Meshach PZ & Sargunar CG, Sep.2014	<i>Staphylococcus pasteurii</i> strain Zion 16S ribosomal RNA gene, partial sequence	GenBank:	KJ958910.1
25	Sargunar CG & Muruganandhini P	<i>Escherichia coli</i> strain CGS23 16S ribosomal RNA gene, partial sequence	GenBank:	KX034238.1

	April 2016			
26	Sargunar CG & Muruganandhini P April 2016	<i>Escherichia fergusonii</i> strain CGS24 16S ribosomal RNA gene, partial sequence	GenBank:	KX034239.1
27	Sargunar CG & Muruganandhini P April 2016	<i>Escherichia fergusonii</i> strain CGS25 16S ribosomal RNA gene, partial sequence	GenBank:	KX034240.1
28	Sargunar CG & Muruganandhini P April 2016	<i>Escherichia coli</i> strain CGS26 16S ribosomal RNA gene, partial sequence	GenBank:	KX034241.1
29	Sasikala K & Sargunar CG April 2016	<i>Klebsiella variicola</i> strain SK01 16S ribosomal RNA gene, partial sequence	GenBank:	KX034242.1
30	Karthi A & Sargunar CG March 2017	<i>Acinetobacter variabilis</i> strain KA1 16S ribosomal RNA gene, partial sequence	GenBank:	KY511042.1
31	Karthi A & Sargunar CG March 2017	<i>Brevibacterium casei</i> strain KA2 16S ribosomal RNA gene, partial sequence	GenBank:	KY511043.1
32	Dhanya R & Sargunar CG May 2017	<i>Providencia vermicola</i> strain Ag1 16S ribosomal RNA gene, partial sequence	GenBank:	KY886143.1
33	Karthik M & Sargunar CG March 2018	<i>Bacillus flexus</i> strain KM 16S ribosomal RNA gene, partial sequence	GenBank:	MH071300.1
34	Purusothaman K & Sargunar CG March 2018	<i>Bacillus firmus</i> strain KP 16S ribosomal RNA gene, partial sequence	GenBank:	MH071301.1
35	Subashini R & Sargunar CG March 2019	<i>Candida parapsilosis</i> Isolate Cu1 small subunit rRNA gene, partial sequenc; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit rRNA gene, partial sequence	GenBank:	MK638869.1

List of Published Abstracts in Conference Proceedings

1. Published a paper entitled, “Occupational Diseases in Textile Dyers – A Brief Review”, in the Proceedings of the UGC sponsored National Conference on, “Environmental Status and Health of workers involved in textile production”, held at Chikkanna Government Arts College, Tirupur, from August 3-4th, 2009.
2. Published a paper entitled, “The Ethics of Human Embryonic Stem Cell Research – A Brief Review”, in the Proceedings of the DST sponsored National Seminar on, “Current Trends in Applied Genetics and Bioethics”, held at Nirmala College for Women, Coimbatore, from September 18-19th, 2009.
3. Published a paper entitled, “Global Warming and its Effects on Biodiversity and Conservation”, in the Proceedings of the UGC sponsored state level seminar on, “Global Warming – Issues and Challenges”, held at Government Arts College (Autonomous), Salem, on March 7th, 2011.
4. Published a paper entitled, “Student-centered Teaching – Methods, New Approaches and Criticism”, in the Proceedings of the NAAC sponsored National seminar on, “Designing Competency-based Curriculum for Quality Improvement”, held at Vellalar College for Women, Erode, from March 24th -25th, 2011.
5. Published a paper entitled, “Ethical Issues in Counseling for Genetic Screening”, in the Proceedings of the CSIR, ICMR, INSA sponsored International Conference on, “Environment, Genes, Health & Diseases”, held at Bharathiar University, Coimbatore, from December 9th – 11th, 2011.
6. Published a paper entitled, “Microbial Populations in Packaged Apple Juice and their Control by Lemongrass Oil”, in the Proceedings of the CSIR, ICMR, INSA sponsored International Conference on, “Environment, Genes, Health & Diseases”, held at Bharathiar University, Coimbatore, from December 9th – 11th, 2011.
7. Published a paper entitled, “Studies on Calliphorid Flies Infecting Animal Cadavers in the Nilgris and their Forensic Significance”, in the Proceedings of the Proceedings of the CSIR, ICMR, INSA sponsored International Conference on, “Environment, Genes, Health & Diseases”, held at Bharathiar University, Coimbatore, from December 9th – 11th, 2011.
8. Published a paper entitled, “A Comparative Study of Noise Levels in Different Localities”, in the Proceedings of the CSIR, ICMR, INSA sponsored International Conference on, “Environment, Genes, Health & Diseases”, held at Bharathiar University, Coimbatore, from December 9th – 11th, 2011.

- 9 Published a paper entitled, "Butterfly Diversity and their Adult Nectar Host Plant Interactions at Singanallur Lake, Coimbatore", in the Proceedings of the UGC & TNSCST sponsored National Seminar on, "Forest Bioresources Management", held at PSGR Krishnammal College for Women, Coimbatore, from December 19th – 20th, 2011.
- 10 Published a paper entitled, "Human-wildlife Conflict in Cherumully, Nilgris", in the Proceedings of the UGC & TNSCST sponsored National Seminar on, "Forest Bioresources Management", held at PSGR Krishnammal College for Women, Coimbatore, from December 19th – 20th, 2011.
- 11 Published a paper entitled, "A Brief Survey of the Flora and Butterfly Diversity of Singanallur Lake, Coimbatore", in the Proceedings of the UGC sponsored National Conference on, "Recent Advances in Computational Biology", held at Government Arts College, Karur, on March 9th, 2012.
- 12 Published a paper entitled, "Diversity of Necrophagous Insects in the Nilgiri Biosphere Reserve", in the Proceedings of the UGC, DBT, CSIR & DRDO sponsored International Conference on, "Conservation Strategies for Bioresources", held at PSGR Krishnammal College for Women, Coimbatore, from February 5th – 6th, 2013.
- 13 Published a paper entitled, "Microbiological Quality of Street-vended Fruit Juices in Coimbatore", in the Proceedings of the KMCH sponsored VI Louis Pasteur Memorial National Symposium on, "Perception of Microbes in Human Health and Environment", held at Dr. N. G. P. Arts & Science College, Coimbatore, on August 22nd, 2013.
- 14 Published a paper entitled, "Assessment of Microbiological Quality of Ground Water at Eight Random Localities in Coimbatore District and its Public Health Significance", in the Proceedings of the KMCH sponsored VI Louis Pasteur Memorial National Symposium on, "Perception of Microbes in Human Health and Environment", held at Dr. N. G. P. Arts & Science College, Coimbatore, on August 22nd, 2013.
- 15 Delivered an invited lecture and published a paper entitled, "A Brief Survey of Wild Flowering Plants in Devala, Gudalur, of NBR", in the Proceedings of the UGC, DST, TNSCST, HADP, WTI sponsored National Conference on, "Nilgiri Biosphere Reserve and Silver Jubilee Celebrations", held at Government Arts College, Udthagamandalam, from August 28th – 30th, 2013.
- 16 Published a paper entitled, "Assessment of Microbiological Quality of Sediment of Noyyal River Near its Source and Downstream in Coimbatore District", in the Proceedings of the National Conference on, "Conservation and Inventerisation of Below Ground Biodiversity", held at Kongunadu Arts & Science College, Coimbatore, on December 19th – 21st, 2013.

- 17 Published a paper entitled, "Occurrence of Indicator Bacteria and Pathogens in the Noyyal River Near its Source and Downstream in Coimbatore District", in the Proceedings of the National Seminar on, Emerging Trends in Biosciences", held at Kongunadu Arts & Science College, Coimbatore, on December 8th, 2015.
- 18 Presented and Published a paper entitled, "Decolorization of Azo Dye Reactive Black 5 by *Staphylococcus pasteurii* KJ958910 from Textile Dye Effluent", in the Proceedings of the International Conference on, "Converging Biotechnological Innovations for Health, Food and Environmental Welfare", held at Karunya University, Coimbatore, December 2nd-4th, 2015.
- 19 Published a paper entitled, "Evaluation of Diesel-degrading Potential of Bacteria from Diesel-contaminated Soil", in the Proceedings of the National Conference on, "Transitional and Translational Scenarios in Biological Sciences (*In vitro* to *In vivo* to *In silico*)", held at NGP Arts & Science College, Coimbatore, in association with Indian Association of Applied Microbiologists (IAAM), September 9th-10th, 2016.
- 20 Presented and Published a paper entitled, "Decolorization of Reactive Blue RGB by *Exiguobacterium aurantiacum* KF886287-92", in the Proceedings of the National Conference on, "Transitional and Translational Scenarios in Biological Sciences (*In vitro* to *In vivo* to *In silico*)", held at NGP Arts & Science College, Coimbatore, in association with Indian Association of Applied Microbiologists (IAAM), September 9th-10th, 2016.
- 21 Published a paper entitled, "Decolorization of Azo Dye Reactive Red 180 by *Klebsiella variicola* KX34242 from Textile Dye Effluent", in the Proceedings of the National Conference on, "Exploring New Frontiers in Aquatic Sciences", held at Kongunadu Arts & Science College, Coimbatore, on October 5th, 2016.
- 22 Published a paper entitled, "Evaluation of Diesel-degrading Potential of *Acinetobacter variabilis* KY511042 and *Brevibacterium casei* KY511043 Isolated from Diesel-contaminated Soil", in the Proceedings of the 10th NABS National Conference on, "Recent Trends in Life Science: Research, Practices and Application for Sustainable Development", held at Bharathiar University, Coimbatore, from September 7th-8th, 2017.
- 23 Published a paper entitled, "Assessment of Microbiological Quality of Street-vended Sugarcane Juice from Coimbatore: Bacterial Characterization, Antibiotic Sensitivity, and Control by Lemongrass Oil", in the Proceedings of the 10th NABS National Conference on, "Recent Trends in Life Science: Research, Practices and Application for Sustainable Development", held at Bharathiar University, Coimbatore, from September 7th-8th, 2017.

- 24 Published a paper entitled, “Green Synthesis of Zinc Oxide Nanoparticles and its Antibacterial, Anticancer Activity”, in the Proceedings of the International Conference on, “Phytomedicine”, held at Bharathiar University, Coimbatore, from August 29th-31st, 2018.
- 25 Published a paper entitled, “*In vitro* Reduction of Hexavalent Chromium by Chromium-tolerant *Bacillus flexus* MH071300 from Tannery Sludge”, in the Proceedings of the DBT sponsored National Seminar on, “Advances in Biological Sciences Research”, held at Nirmala College for Women, Coimbatore, from September 19-20th, 2018.

ANNEXURE II

List of M. Phil. dissertations carried out under the guidance of the faculty

S. No.	Name of the student	Name of the dissertation	College / University	Year
1	B Banumathi	Occurrence of indicator bacteria, pathogens, nutrients and heavy metals in sediment of Noyyal River near its source and downstream in Coimbatore district	Govt. Arts College, Coimbatore; Bharathiar University	January, 2013
2	Narmatha S	Contamination of Currency Circulating in Coimbatore with Coliforms and Pathogens, their Characterization and Control by Commercial Hand Sanitizer / Soap	Govt. Arts College, Coimbatore; Bharathiar University	January 2014
3	Zion Meshach P	Decolorization of Azo Dye Reactive Black 5 by <i>Staphylococcus pasteurii</i> Strain Zion KJ958910 Isolated from Textile Dye Effluent	Govt. Arts College, Coimbatore; Bharathiar University	February 2015
4	Sasikala K	Decolorization of Azo Dye Reactive Red 180 by <i>Klebsiella variicola</i> Strain SK01 KX034242 Isolated from Textile Dye Effluent	Govt. Arts College, Coimbatore; Bharathiar University	November 2016
5	Dhanya R	Extracellular Synthesis of Silver Nanoparticles by <i>Providencia vermicola</i> KY886143 from Textile Dye Effluent, its Antibacterial Activity, and Decolorization of Azo Dye Reactive Red 180	Govt. Arts College, Coimbatore; Bharathiar University	November 2018
6	Aruna G	Biogenic Synthesis of Zinc Oxide Nanoparticles Using Green Leaves of <i>Costus pictus</i> D. Don., and their Antibacterial, Anticancer, and Antioxidant Potential	Govt. Arts College, Coimbatore; Bharathiar University	December 2018

List of M.Sc. dissertations carried out under the guidance of the faculty

S. No.	Name of the student	Name of the dissertation	College / University	Year
1	S Priyadarshini	Survey of helminth parasites in faeces of <i>Bos gaurus</i> (H. Smith) from Masinagudi, Nilgris	Govt. Arts College, Ooty; Bharathiar University	2007
2	R Kanchana	Survey of helminth parasites in faeces of <i>Cervus unicolor</i> (K.) in Moyar area of Nilgris	Govt. Arts College, Ooty; Bharathiar University	2007
3	C Priya	Survey of helminth parasites in faeces of <i>Sus scrofa</i> (L.) in Kokkal area of Nilgris	Govt. Arts College, Ooty; Bharathiar University	2007
4	M Priya	Survey of helminth parasites in faeces of <i>Axis axis</i> (E.) in Moyar area of Nilgris	Govt. Arts College, Ooty; Bharathiar University	2007
5	S Lavanya	Survey of helminth parasites in faeces of feral buffalo in Kokkal area of Nilgris	Govt. Arts College, Ooty; Bharathiar University	2007
6	C K Akila	Survey of helminth parasites in faeces of <i>Elephas maximus</i> (L.) in Moyar area of Nilgris	Govt. Arts College, Ooty; Bharathiar University	2007
7	K Yuvaraj	Study on human-elephant conflict in Kodagu district, Karnataka	Govt. Arts College, Ooty; Bharathiar University	2007
8	K Vijayakumar	Impact of feral buffalo in the Moyar valley	Govt. Arts College, Ooty; Bharathiar University	2007
9	J Vinoth Kumar	Elephant usage of Kallar forest corridor, Nilgiri landscape, South India	Govt. Arts College, Ooty; Bharathiar University	2007
10	Suresh Krishnan	Spatial distribution of woody exotic plants and their germination success in the grassland of the Nilgris, South India	Govt. Arts College, Ooty; Bharathiar University	2007
11	M A Paul Peter Predit	Variation in plant community structure of the major grassland type in Lakkadi, Nilgris South Division, India	Govt. Arts College, Ooty; Bharathiar University	2007
12	C Gayathri	A brief survey of the butterfly diversity near Singanallur lake, Coimbatore	Govt. Arts College, Ooty; Bharathiar University	2008
13	S Viji	A brief survey of wild flowering plants in Devala, Nilgris	Govt. Arts College, Ooty; Bharathiar University	2008
14	P Saranya	A comparative study of helminth parasites in faeces of <i>Bos gaurus</i> (H.	Govt. Arts College, Ooty; Bharathiar	2008

		Smith) and domestic cattle in Masinagudi, Nilgris	University	
15	N Amutha Priya	A comparative study of helminth parasites in faeces of <i>Bos gaurus</i> (H. Smith) from Masinagudi, Nilgris and Kodaikanal	Govt. Arts College, Ooty; Bharathiar University	2008
16	N Mary Cathrine	A brief survey of flora around Singanallur lake, Coimbatore, and their interaction with butterflies	Govt. Arts College, Ooty; Bharathiar University	2008
17	C Anitha	A brief survey of snake diversity in Sreemadurai, Nilgris	Govt. Arts College, Ooty; Bharathiar University	2008
18	G Seethalakshmi	Human-wildlife conflict in Cherumully, Nilgris	Govt. Arts College, Ooty; Bharathiar University	2008
19	S Sudhakar	A brief survey of insect diversity in Masinagudi, Nilgris	Govt. Arts College, Ooty; Bharathiar University	2008
20	K Rajesh Kumar	Study on gaur habitat utilisation in Kodaikanal	Govt. Arts College, Ooty; Bharathiar University	2008
21	M Thiruselvam	A brief survey of the anuran amphibian diversity in Kolapalli, Nilgris	Govt. Arts College, Ooty; Bharathiar University	2008
22	G Immanuel Victor Prince	Study on food habits of gaur in Kodaikanal	Govt. Arts College, Ooty; Bharathiar University	2008
23	R Karthick	A brief survey of reptile diversity in Masinagudi, Nilgris	Govt. Arts College, Ooty; Bharathiar University	2008
24	K Shalini	Study on microbial populations in two packaged apple juice brands and their control by lemongrass oil	Govt. Arts College, Coimbatore; Bharathiar University	2011
25	M Christina Pauline	Occurrence of indicator bacteria and pathogens in the ground water of Coimbatore district	Govt. Arts College, Coimbatore; Bharathiar University	2012
26	Zion Meshach P	Occurrence of Indicator bacteria and pathogens in the waters of the Noyyal river near its source and downstream in Coimbatore district	Govt. Arts College, Coimbatore; Bharathiar University	2013
27	Ramamoorthy K	Assessment of bacteriological quality and presence of antibiotic resistant bacteria in vended sachet-packaged drinking water: potential threat of	Govt. Arts College, Coimbatore; Bharathiar University	2014

		transmission of enteric pathogens and implications for public health		
28	Deepika C	Assessment of Microbiological Quality of Street-vended Sugarcane Juice from Coimbatore: Bacterial Characterization, Antibiotic Sensitivity and Control by Lemongrass Oil	Govt. Arts College, Coimbatore; Bharathiar University	2015
29	Muruganandhini P	Evaluation of Diesel-degrading Potential of Bacteria Isolated and Characterized from Diesel-contaminated Soil	Govt. Arts College, Coimbatore; Bharathiar University	2016
30	Karthi A	Evaluation of Diesel-degrading Potential of <i>Acinetobacter variabilis</i> KY511042 and <i>Brevibacterium casei</i> KY511043 Isolated from Diesel-contaminated Soil	Govt. Arts College, Coimbatore; Bharathiar University	2017
31	Karthik M	In vitro Reduction of Hexavalent Chromium by Chromium-tolerant <i>Bacillus flexus</i> MH071300 from Tannery Sludge	Govt. Arts College, Coimbatore; Bharathiar University	2018
32	Subashini R	Isolation and Identification of Copper-Tolerant <i>Candida parapsilosis</i> MK638869 From Agricultural Soil	Govt. Arts College, Coimbatore; Bharathiar University	2019

List of B. Sc. projects carried out under the guidance of the faculty

S. No.	Name of the students	Name of the project	College / University	Year
1	D Gokila -mani, A Selva Gladis, S Mathalai Raj, T Susithra	A brief survey of butterfly diversity and their adult nectar host plant interactions at Singanallur lake, Coimbatore	Govt. Arts College, Coimbatore; Bharathiar University	2011
2	P Nithya, N Shenbaga- vadivu, R Nandhini, S Prabakaran, K Shanmugam	Seasonal occurrence of bacteria and coliforms in Noyyal river water at Alandurai, Coimbatore	Govt. Arts College, Coimbatore; Bharathiar University	2012
3	R. Hemalatha, P. Jancy Rani, N. Balasubramaniam, G. Chinnadurai, S. Chitral	Bacteriological analysis of street-vended fruit juices from Coimbatore district	Govt. Arts College, Coimbatore; Bharathiar University	2013
4	G. Aswini, S. Geethanjali, D. Nandhakumar, N. Krishnamoorthi, M. Srikumar	Bacteriological analysis of street-vended pani poori water from Coimbatore	Govt. Arts College, Coimbatore; Bharathiar University	2014

ANNEXURE III

TRAINING

Orientation Courses attended

- 1 UGC sponsored Orientation Course conducted by the UGC-ASC, BharathiarUniversity, Coimbatore, from 30.10.2001 to 26.11.2001.
- 2 Orientation programme on, “Recent Trends in Biodiversity Research and its Importance in Conservation and Sustainable Utilisation”, conducted by the Institute of Forest Genetics and Tree Breeding, Coimbatore, on 6th August, 2010.

Refresher Courses attended

- 1 UGC sponsored Refresher Course in Biotechnology (Interdisciplinary) conducted by the UGC-ASC, BharathiarUniversity, Coimbatore, from 09.01.2004 to 29.01.2004.
- 2 DCE conducted Intensive Refresher Course for college teachers in Zoology, at Kongunadu College of Arts and Science, Coimbatore, from 22.11.2004 to 26.11.2004.
- 3 UGC sponsored Refresher Course in Life Sciences (Zoology) conducted by the UGC-ASC, BharathiarUniversity, Coimbatore, from 20.08.2008 to 09.09.2008.
- 4 UGC sponsored Refresher Course in Life Sciences conducted by the UGC-ASC, BharathiarUniversity, Coimbatore, from 03.12.2009 to 23.12.2009.

Workshops Attended

Name of the Workshop	Name of the Sponsoring Agency	Place and Date
National Workshop on, “Techniques in Environmental Toxicology”	Dept. of Pharmacology & Env'tl. Toxicology, University of Madras	University of Madras, from March 20 th – 22 nd , 2000
National Workshop on, “Freshwater fish culture using bioencapsulated live feed”	Bharathiar University	BharathiarUniversity, Coimbatore, from August 18 th – 20 th , 2010
National Workshop on, ‘Recent Advances in Aquatic Research’	DBT	PG & Research Dept. of Zoology, Kongunadu Arts & Science College, Coimbatore, on December 12 th , 2013
National Seminar cum Workshop on, “Microbial Genomics and Proteomics”	UGC, DBT, DST	Dept. of Biotechnology, Alagappa University, Karaikudi, February 18-20 th , 2015

Workshop on, “Bioinstrumentation”	Karpagam Academy of Higher Education (Deemed-to-be-University), Coimbatore	Dept. of Biotechnology, Karpagam Academy of Higher Education (Deemed-to-be-University), Coimbatore, on August 25 th , 2015
National Workshop on, “Advanced Studies in Life Sciences – Gaps and Scope”	TNSCST	Dept of Zoology, Govt. Arts College , Coimbatore, 25 January, 2019

ANNEXURE IV

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

Name of the Workshop/ Seminar / Conference	Name of the Sponsoring Agency	Place and Date
National Workshop on, “Techniques in Environmental Toxicology”	Dept. of Pharmacology & Envntl. Toxicology, University of Madras	University of Madras, from March 20 th – 22 nd , 2000
National Workshop on, “Freshwater fish culture using bioencapsulated live feed”	BharathiarUniversity	BharathiarUniversity, Coimbatore, from August 18 th – 20 th , 2010
International Seminar on, “Trends in Molecular Biology and Biotechnology”	British High Commission	University of Madras on August 20 th , 1999
National Seminar on, “Management and Conservation of Nature – Nilgris Biosphere Reserve”.	UGC	EmeraldHeightsCollege for Women, Ooty; February 6-7 th , 2007.
National Seminar on, “Issues and Challenges in Higher Education in the Globalised Era”.	BharathiarUniversity	GovernmentArtsCollege, Ooty; 26-27 th February, 2007.
National Seminar on, “Application of Genomics and Bioinformatics in Animal Health and Management”.	AlagappaUniversity and TN State Council for Higher Education	AlagappaUniversity, Karaikudi; March 25-26 th , 2009
National Conference on, “Environmental Status and Health of workers involved in textile production”.	UGC	ChikkannaGovernmentArtsColleg e, Tirupur; August 3-4 th , 2009
National Seminar on, “Current Trends in Applied Genetics and Bioethics”.	DST	NirmalaCollege for Women, Coimbatore, from September 18- 19 th , 2009
International Seminar on, “Applications of Confocal Microscopic Techniques in Animal Health Management”		AlagappaUniversity, Karaikudi, from March 29 th – 30 th , 2010
State level seminar on, “Global Warming – Issues and Challenges”	UGC	GovernmentArtsCollege (Autonomous), Salem, on March 7 th , 2011
National seminar on, “Designing Competency-based	NAAC	VellalarCollege for Women, Erode, from March 24 th -25 th ,

Curriculum for Quality Improvement”		2011
International Symposium on, “Environmental Risk Assessment 2011”	BharathiarUniversity, DBT, CSIR, TNSCST	BharathiarUniversity, Coimbatore, from October 17 th – 19 th , 2011
International Conference on, “Environment, Genes, Health & Disease 2011”	CSIR, ICMR, INSA	BharathiarUniversity, Coimbatore, from December 9 th – 11 th , 2011
National Seminar on, “Forest Bioresources and Management”	UGC	PSGRKrishnammalCollege for Women, Coimbatore, from December 19 th – 20 th , 2011
2 nd 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, from January 24 th – 25 th , 2012
National Conference on, “Recent Advances in Computational Biology”	UGC	PG & Research Dept. of Zoology, Govt. Arts College, Karur, on March 9 th , 2012
National Conference on, “Environment, Biodiversity and Bioethics – Current Trends and Future Perspectives – 2012”	UGC & ICMR	Dept. of Zoology, Annamalai University, Annamalainagar, from March 23 rd – 24 th , 2012
National Conference on, “Phytomedicine”	DBT, DRDO, DST, TNSCST, MoES	Bharathiar University, Coimbatore, from October 4 th – 5 th , 2012
One Day Symposium on, “An Interface of Biology with Nanotechnology”	UGC	Department of Zoology, Nirmala College for Women, Coimbatore, on October 8 th , 2012
Regional Science Congress on, “Science for Shaping the Future of India”	ISCA, Coimbatore Chapter	Kongunadu Arts & Science College, Coimbatore, from December 15 th – 16 th , 2012
International Conference on, “Conservation Strategies for Bioresources”	UGC, DBT, CSIR, DRDO	Department of Botany, PSGR Krishnammal College for Women, Coimbatore, from February 5 th – 6 th , 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 th -10 th , 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 nd August, 2013

National Conference on, “Nilgiri Biosphere Reserve and Silver Jubilee Celebrations”	UGC, DST, TNSCST, HADP, WTI	Dept. of Zoology & Wildlife Biology, Government Arts College, Udthagamandalam, from August 28 th – 30 th , 2013
International Seminar on, “Recent Trends in Aquatic Animal Biotechnology”	Mahidol University, Thailand & Alagappa University, Karaikudi	Dept. of Animal Health & Management, Alagappa University, Karaikudi, from October 21 st – 22 nd , 2013
3 rd International Congress on, “Global Warming on Biodiversity of Insects: Management and Conservation Strategies”	Bharathiar University	Department of Zoology, Bharathiar University, Coimbatore, from November 26 th – 28 th , 2013
National Workshop on, ‘Recent Advances in Aquatic Research’	DBT	PG & Research Dept. of Zoology, Kongunadu Arts & Science College, Coimbatore, on December 12 th , 2013
National Conference on, “Conservation and Inventerisation of Below Ground Biodiversity”	Kongunadu Arts & Science College, Coimbatore	PG & Research Dept. of Zoology, Kongunadu Arts & Science College, Coimbatore, on December 19 th – 21 st , 2013
National Seminar on, “Prospecting for Today’s World”	Bharathiar University	Dept. of Microbial Biotechnology, Bharathiar University, Coimbatore, on January 8 th , 2014
National Seminar on, “Trends in Environmental Resource Management”	UGC	PG & Reesearch Dept. of Zoology, Nirmala College for Women, Coimbatore, in collaboration with Dept. of Environmental Management, Bharathidasan University, Tiruchirapalli, August 7-8 th , 2014
International Conference on, “Physiology and Medicine”	Periyar University, Salem	Dept. of Zoology, Periyar University, Salem, October 15 th -17 th , 2014
International Seminar on, “Emerging Contaminants and Environmental Bioremediation”	Periyar University, Salem	Dept. of Environmental Science, Periyar University, Salem, on January 27 th , 2015
National Seminar cum Workshop on, “Microbial Genomics and Proteomics”	UGC, DBT, DST	Dept. of Biotechnology, Alagappa University, Karaikudi, February 18-20 th , 2015.
Workshop on, “Bioinstrumentation”	Karpagam Academy of Higher Education (Deemed-to-be-University), Coimbatore	Dept. of Biotechnology, Karpagam Academy of Higher Education (Deemed-to-be-University), Coimbatore, on August 25 th , 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 th -16 th , 2015
International Conference on, “Converging Biotechnological Innovations for Health, Food and Environmental Welfare”	DBT	Dept. of Biotechnology, Karunya University, Coimbatore, December 2 nd -4 th , 2015
National Seminar on, Emerging Trends in Biosciences”	UGC & Kongunadu Arts & Science College, Coimbatore	PG & Research Dept. of Zoology, Kongunadu Arts & Science College, Coimbatore, on December 8 th , 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 st -22 nd , 2016
Focus Group Discussion on, “Governance and Management of Higher Education in India”	Centre for Policy Research in Higher Education (CPRHE), National University of Educational Planning and Administration (NUEPA), New Delhi, Bharathiar University, Coimbatore	Bharathiar University, Coimbatore, January 27 th -29 th , 2016
National Conference on, “Transitional and Translational Scenarios in Biological Sciences (<i>In vitro</i> to <i>In vivo</i> to <i>In silico</i>)”	DBT, ICMR	Dept. of Microbiology, Dr. NGP Arts & Science College, Coimbatore, in association with Indian Association of Applied Microbiologists (IAAM), September 9 th -10 th , 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, on October 5 th , 2016
10 th NABS National Conference on, “Recent Trends in Life Science: Research, Practices and Application for Sustainable Development”	National Academy of Biological Sciences (NABS), & Bharathiar University, Coimbatore	Dept. of Botany & Zoology, Bharathiar University, Coimbatore, September 7 th -8 th , 2017
National Seminar on, “Bioprospecting and Conservation of Bioresources”	Indian Science Congress Association, Kolkata	PG & Research Dept. of Zoology, Kongunadu Arts & Science College, Coimbatore, on February 9 th , 2018
International Conference on, “Phytoedicine”	Defence Research & Development	Dept. of Botany, Bharathiar University, Coimbatore, August

	Organization (DRDO), in collaboration with Bharathiar University, Coimbatore	29 th -31 st , 2018
National Seminar on, “Advances in Biological Sciences Research”	Department of Biotechnology (DBT), Ministry of Science & Technology	PG & Reesearch Dept. of Zoology, Nirmala College for Women, Coimbatore, September 19-20, 2018
National Conference on, “Ecological Festival of Western Ghats”		Sri Krishna Arts & Science College, Coimbatore, 1-3 January, 2019
National Workshop on, “Advanced Studies in Life Sciences – Gaps and Scope”	TNSCST	Dept of Zoology, Govt. Arts College , Coimbatore, 25 January, 2019