

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

i) General Information

- a) Name : Dr. S. PREMALATHA
- b) Address (Residential) : 5 JPN Villa, Gopal Nagar, Puchiur Road (via), Narasimanayakan Palayam. Coimbatore. 641031.
- c) Designation : Assistant Professor
- d) Department : Botany
- e) Date of Birth : 02.07.1976
- f) Area of Specialization : Plant Phytochemistry and Microbiology



A) Academic Qualifications

Examination passed	Board / university	Subject	Year	Division grade/merit etc.,
Bachelor's Degree(s)	Botany	Bharathiar University	1999	I Class
Master's Degree (s)	Plant Sciences	Bharathiar University	2001	I Class
Research Degree (s) Ph. D	Botany	Bharathiar University	2007	Commended

ii) Research Experience & Training

Research stage	Title of thesis	University where the work was carried out.
Ph.D	Studies on rust resistant and HMW glutenin subunit composition in some Indian hexaploid wheat cultivars.	Bharathiar University
Post-Doctoral	Microbial Plant Pathology and Molecular Biology	Department of Plant Pathology & Weed Research, ARO, Ministry of Agriculture, Bet Dagan, ISRAEL
No of Publication	List enclosed	

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
1.	Identification and Biological Studies of Potential Bioactive Constituents From Important Medicinal Plants To Combat Multidrug Resistant Bacterial Pathogens	DST -EMEQ	2016 -2018	Completed
2.	Detection and Identification of Banana Bunchy Top Virus using Molecular Method	TANCHE	2017	Completed

C) Seminars, Conferences, Symposia Workshops etc. attended

Name of the Seminars / Conferences /	Name of the Sponsoring Agency	Place and Date
Workshop	Curriculum Development Cell, Bharathidasan University, Tiruchirappalli.	27th & 28 th Feb'2014, Tiruchirappalli
National Conference	Annamalai University	27th and 28 th September 2013, Tamilnadu
National Seminar	PG & Research Department of Botany, Government Arts College (Aut.), Karur, Tamilnadu.	Karur

iii) Teaching Experience

Courses Taught	Name of University/ College/Institution	Duration	
		Period of employment From - To	Years of Experience
UG B.Sc.,	Government Arts College(Autonomous), Coimbatore-18	2008- Till date	15
PG M.Sc.,	Government Arts College(Autonomous), Coimbatore -18	2008- Till date	15

Total Teaching Experience (in years and months) :

a)	Under-graduate	15
b)	Post-graduate	15
c)	Research	15

viii) Innovations/ Contributions in Teaching

a) Design of Curriculum :	Designed syllabus for B.Sc. M.Sc., (Botany) courses.
b) Teaching methods :	Lecturing, educational quiz, group discussions, seminars. Teaching through AV aids, Institutional/ Industrial visits and training.
c) Laboratory experiments :	Experiments prescribed in accordance with the syllabus, conducting Viva-voce and questionnaires.
d) Evaluation methods :	Tests, seminars, problem solving experiments, Paper presentation, Watch attentiveness of the student periodically, Problem solving exercises, Projects.

e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	Mainly on University specified text books and references. Consultation with senior professors and from the other college professors and software professional.
f) Remedial Teaching / Student Counseling (academic) :	Special coaching classes for slow learners, Identifying students' problems, helping them in Solving problems, parental counseling
g) Any other :	Periodical counseling to students in the Department/college Guidance and Counseling center

IX) Research Contribution

a). PhD/M.Phil undergoing scholars

Sl. No	Name of the PhD/ M.Phil(PT/FT) Scholar	Name of the University	Broad Field	Registration Number	Year of registration
1	A. Muhsina (FT)	Bharathiar University	Medicinal Botany	1433	2022
2	M.P. Prajwal (FT)	Bharathiar University	Pharmacology	1435	2022
3	K. Shri Mathi (FT)	Bharathiar University	Plant Phytochemistry	921	2023
4	S.K.V.Kalaiselvi (FT)	Bharathiar University	Plant Phytochemistry	922	2023

b). PhD/M.Phil Awarded

Sl.No	Name of the PhD/M.Phil (PT/FT) scholar	Name of the University	Title of the thesis	Year of registration of the scholar	Year of award of PhD
1	Mrs.A. Anjalani	Bharathidasan University	Studies on Plant Biodiversity Wealth and Bioprospecting of selected Medicinal Plants of Kolli hills	2012	2016
2	Mrs.S. Kalpana	Bharathidasan University	Bioprospecting Of Indigenous Medicinal Plant, <i>Barlaria Longiflora</i> As Potential Natural Pharmacological Agent	2013	2017

X) Extension Work/ Community Service

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

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

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C. Participation in Corporate Life

Please give a short account your contribution to:

a) College/ University / Institution	Helping the Principal, HOD in the Departmental activities, Maintaining
b) Co-curricular Activities	Organizing and coordinating seminars and club activities. Helping the students to actualize their Potentials, directing them to participate in various programs, job fairs conducted
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	Helping/assisting /guiding the Principal, HOD, Colleagues and students to enrich the campus life. Encouraging the students to participate in various Botany Quiz and Botany club activities.
d) Students Welfare and Discipline	Periodical counseling to the students, Their Parents and family members in the Guidance and Counseling center. strict discipline is maintained.
e) Membership / Participation in Bodies	Member- Board of studies, Syllabus framing, External
f) Professional Organization of Teachers	-

List of Publication:

1. Premalatha S, M. Muhsina, Sai Prasanna and R. Elangomathavan. 2023. Bio-synthesis and characterization of silver nanoparticles using extract of *Boerhaavia diffusa* L. and their role of biodegradation industrially important dyes. *Journal Emerging Technology and Innovative Research*. 10 (4):g690-g699.
2. Chinnamani. T, **Premalatha S** and Jeyasankar A. 2021. Evaluation of Mosquitocidal properties of some plants extracts against important Mosquito Vectors. *International Journal of Multi-disciplinary Education Research*. 10-6 (3) 109-116.
3. Premalatha S and A. Karthi. 2017. Phytochemical screening and antimicrobial activity of leaf of *Atalantia monophylla* (L.) Corr (Rutaceae). *International Journal of Pharmacy and Biological Sciences*. 7 (4):179-184.
4. Anjalam A and S. Premalatha. 2017. Antimicrobial and Antioxidant Activities of Ethanolic and Methanolic Extracts of *Barleria Buxifolia* L. *International Journal of Applied Biology and Pharmaceutical Technology*. 8(1):81-88.
5. S. Kalpana, D. Vijai and S. Premalatha. 2016. Antioxidant activity of different solvent extracts of *Barleria longiflora* Linn. *International Journal of Current Research in Biology and Medicine*. 1(5): 1-8.
6. S. Kalpana, D. Vijai and S. Premalatha. 2016. Preliminary Phytochemical analysis and Antimicrobial activity of Leaves of *Barleria longiflora* Linn. *International Journal of Advanced Research in Biological Sciences*. 3(9): 114-119
7. A. Anjalam, S. Kalpana., D. Vijay and **S. Premalatha**. 2016. Documentation of medicinal plants used by the Malayali tribes in Kolli Hills. *International Journal of Advanced Research in Biological Sciences*. 3(3):101-207.
8. Manoranjitham, M and **S. Premalatha**. 2015. Antibacterial activity and Phytochemical Screening of methanolic extract of *Pavonia procumbens* (Malvaceae) *Journal of Advanced Research in Biological Sciences*. 2(11):256-259.
9. A. Anjalam, R. Elangomathavan and **S. Premalatha**. 2014. Exploration of medicinal plants used by the Malayali tribes of Kolli Hills, Tamil Nadu, India. ***International Journal of Research in Ayurveda & Pharmacy***. 5(2):201-204.
10. Jeyasankar, A., **Premalatha**, Sand K. Elumalai. 2014. Antifeedant and insecticidal activities of selected plant extracts against Epilachna beetle, *Henosepilachna vigintioctopunctata* (Coleoptera: Coccinellidae). *Advances in Entomology*. 2 (1):14-19.
11. **Premalatha, S.**, Jeyasankar, A, and K. Elumalai. 2013. Antimicrobial activity of *Fumoria officinalis* and *Ipomea carnea*. *International Journal of Interdisciplinary Research and Reviews*. 1 (5):5-9.
12. **Premalatha, S.** K. Elumalai and **A. Jeyasankar**. 2013. Mosquitocidal properties of *Solanum trilobatum* L. (Solanaceae) leaf extracts against three important human vector mosquitoes (Diptera: Culicidae). *Asian Pacific Journal of Medicine*. 6 (11): 854-858.
13. **Premalatha, S.**, A. **Jeyasankar.**, K. Krishnappa and K. Elumalai. 2013. Screening of some selected indigenous plants for antibacterial activity. *International Journal of Interdisciplinary Research and Reviews*. 1 (2):65-72.

14. Jeyasankar, A., **S. Premalatha** ., K. Krishnappa and K. Elumalai. 2013. Larvicidal activity of *Barleriaprionitis* (Acanthaceae) against Japanese encephalitis vector, *Culex tritaeniorhynchus* giles (diptera: culicidae). *International Journal of Interdisciplinary Research and Reviews*.1(2):116-120.
15. Jeyasankar, A., **S. Premalatha** and K. Elumalai. 2012. Biological activities of *Solanum pseudocapsicum* (Solanaceae) against cotton bollworm, *Helicoverpa armigera*Hübner and armyworm, *Spodoptera litura*Fabricius (Lepidoptera:Noctuidae).*Asian Pacific Journal of Biomedicine*. 2(12):981-986.
16. Jeyasankar, A, **S. Premalatha** and K. Elumalai. 2012. Larvicidal activity of *Phyllanthusemblica* Linn. (Euphorbiaceae) leaf extracts against important human vector mosquitoes (Diptera: Culicidae). *Asian Pacific Journal of Tropical Disease*. S 399-S403.
17. Jeyasankar, A., **S. Premalatha** and Sudha Jansi Rani. 2012. Bio-efficacy of *Solanumpseudocapsicum* L. (Solanaceae) against black cutworm, *Agrotisipsilon* Hufnagel (Lepidoptera: Noctuidae). *Journal of Biological Sciences*. 12 (3):174-179.
18. Vidya.S., **S. Premalatha**., R. Sanil and A. Jeyasankar. 2011. Diversity of high altitude insect pests in edible crucifers. *Environmental Science an Indian Journal*. 6(5):234-237.
19. **Premalatha. S.**, R. Sanil and Franklin Charles Jose. 2009. Shola trees in the upper Nilgiris of Western Ghats. *Journal of Basic and Applied Biology*, 3(3&4), pp. 97-102
20. **Premalatha. S** and V.R.K. Reddy. 2008. Confirmation of specific rust – resistance gene *Lr19* through use of a molecular marker. *Annual Wheat Newsletter*. 54: 58.
21. **Premalatha. S** and V.R.K. Reddy. 2007. Allelic variation of high molecular weight glutenin subunits in some Indian hexaploid wheat cultivars. *Research on Crops*. 8 (1): 151-154.
22. **Premalatha. S** and V.R.K. Reddy. 2007. Evaluation of resistance to rust in some wheat varieties (*Triticum aestivum*) and distribution of genes for hybrid necrosis. *Research on Crops*. 8(1): 155-159.
23. **Premalatha. S** and V.R.K. Reddy. 2007. Hybrid chlorosis in some Indian varieties of *Triticum dicoccum* Schubl. *Annual Wheat Newsletter*. 53: 34-36.
24. **Premalatha. S**, Reddy V.R.K., Gajalakshimi. K., Thamayanthi. K., Kannan. R and Biju John. 2007. Biochemical investigation in rust resistant near-isogenic wheat lines. *Annual Wheat Newsletter*. 53: 38.
25. **Premalatha. S** and V.R.K. Reddy. 2007. Genetics of rust resistance in four Indian Wheat cultivars. *J. Cytology and Genetics*. 8: 25-30.
26. Gajalakshimi, K., Reddy, V.R.K., **Premalatha, S.**, Kannan, R., Thamayanthi, K.and Biju John. 2007. Effect of Sodium Stearoyl-2-Lactylate (SSL) on rheological properties, baking and pasting quality in three Indian bread wheat. *Annual Wheat Newsletter*. 53: 36-37.
27. **Premalatha. S** and V.R.K. Reddy, K. Thamayanthi, R. Kannan. 2006. Distribution of necrosis genes and evaluation of resistance to rusts in some bread wheats. *Annual Wheat Newsletter*. 52: 38-42

Paper/Poster presented:

1. Antibacterial activity of some selected indigenous plants. In National Conference On "Environmental Issues and Challenges Vision 2020 9EnVISION 2020". 27th and 28th September 2013. Annamalai University, Tamilnadu.
2. Study of medicinal plants used by tribal's community of Kolli hills. In National Conference On "Environmental Issues and Challenges Vision 2020 9EnVISION 2020". 27th and 28th September 2013. Annamalai University, Tamilnadu.
3. Exploration of medicinal palnts used by the Malayali tribes of Kolli hills. In National Seminar On "Recent trends in Bioactive substances-2013 (RTBASS-2013).5-6, March 2013, PG & Research Department of of Botany, Government Arts College (Aut.), Karur, Tamilnadu.
4. Confirmation of Specific rust Resistance Gene through Molecular Marker, in BioXplore'06 a *National Seminar on "Emerging Trends in Industrial Biotechnology"*. Vivekanandha College of Engineering for Women. 17th and 18th February 2006. Tiruchengode, Tamil Nadu, India.
5. Biochemical Changes Associated with Rust Resistance in Hexaploid Wheats. In the *National Seminar on Advances in Enzymology*, 9th and 10th March 2006.
6. Identification of HMW Glutenin Subunit Composition in Indian Hexaploid Wheat Cultivars, in the 3rd*National Symposium on "Modern Biology Science"* held on 15th and 16th February 2006, at SNMV College of Arts and Science, Coimbatore.