

Government Arts College (Autonomous) Coimbatore – 18

Performance – Teacher Appraisal Report



I) GENERAL INFORMATION

- a) Name (in Block Letters) : Dr. M. CHITRA
- b) Address(Residential) : Plot no – 45, 6th street
VIP Urban Center, Nallam Palayam,
Ganapathy, Coimbatore- 641 006.
Mobile Number 9994850471
Mail Id- chitramohanbotany@gmail.com
- c) Designation : Assistant Professor
- d) Department : BOTANY
- e) Date of Birth : 01.06.1967
- f) Area of Specialization : Nano biotechnology, Microbial
Microbial biotechnology

A) Academic Qualifications :

Examination passed	Board / University	Subject(s)	Year of Passing	Division / Class / Grade
SSLC	Board of Secondary Education, Tamil Nadu	Tamil, English, Mathematics, Science, History & Geography	1982	I
HSC	Board of Higher Secondary Examination, Tamil Nadu	Tamil, English, Physics, Chemistry and Biology	1984	I
Under Graduate	Bharathidasan University	Botany	1987	I
	University of Madras	Education	1991	I
Post Graduate	Annamalai University	Botany	1990	I
	Bharathidasan University	Microbiology	2001	I
M. Phil	Bharathidasan University	Futurology with specialization in Botany	August 1993	I
Ph. D	Bharathidasan University	Micro biology	March 2012	

ii) Research Experience & Training :

Degrees	Title	University
M.Phil.	Impact of Cauvery river water dispute on paddy production in Tanjavur district	Bharathidasan University
Ph.D.	A comparative study of effective and ineffective root nodules of <i>Vigna radiate</i> elicited by <i>Bradyrhizobium</i> spp	Bharathidasan University
No of Publication	<p>1. Deepa Kumari, A. and Chitra.M, 2022. Evaluation of Antimicrobial and Antibiofilm Activity of <i>Costus pictus</i> Against ESBL Producing bacteria. International Journal of Mordern Pharmaceutical Research, 6(8): 63-66 .</p> <p>2. Sowbaraniga. R. and Chitra .M., 2019, Phytochemicals identification in <i>Cucumis dipsaceus</i> Ehrenbex.Spach fruits by gas chromatography –mass spectrometry (GC-MS) analysis. Journal of Pharmacognosy and Phytochemistry, 8(2) : 1451-1458.</p> <p>3. Sowbaraniga. R and.Chitra. M ., 2019.Qualitative and quantitative Phytochemical analysis of fruits of <i>Cucumis dipsaceus</i> Ehrenbex.Spach. JETIR. 6 (3): 253-261.</p> <p>4.Prema .G., Chitra. M and Kanagasabai. R., 2019. Anatomical studies of the fruit of <i>Ziziphus rugosa</i>. Asian journal of Pharmaceutical and Clinical Research, 12(8) :283-287.</p> <p>5. Prema. G and Chitra. M., 2019. Studies on Antimicrobial activity of <i>Ziziphus rugosa</i> Lam Pericarp. International Journal of Pharmaceutical Sciences and Research , 10(11) : 4942-4948.</p> <p>6. Prema .G and Chitra. M., 2019. Pedological Activity of <i>Ziziphus rugosa</i> And its Comparision. International Journal of Agricultural sciences and Veternary Medicine, 7(3) : 9-15.</p> <p>7. Chitra. M , 2013 Assesment of Noyyal River Water Quality at Coimbatore City, Journal of EcotoxiconvIRONMENTAL Monitoring. 23(2): 99- 105.</p> <p>8. Chitra M. , Bejoy Fernandez, Jegan. C.P and Subin. C.P., 2005. Evaluation of VAM (<i>Glomus spp</i>) as biofertilizer for Tomato, National Symposium on Microbial Technology for Productive Agriculture, Lead Papers and Research Notes, TNAU: 50 -51</p> <p>9. Dr.Chellam Balasundaram Dr. Ravichandran M and Chitra M., 1996.Journal of Social Welfare. Biodiversity, conservation Aids</p>	

	Development: 11-14.
Research guidance (give the names of students guided)	<p>Veena. K. M. Phil (PT)</p> <p>Dhanabal. M. M. Phil (FT)</p> <p>Sowbaraniga. R. M.Phi 1 (FT)</p> <p>Deepakumari A. M.Phil (PT)</p> <p>Krishnaveni. K. M.Phil (PT)</p> <p>Sowbaraniga. R. Ph.D (FT)</p> <p>Prema. G. Ph. D (FT)</p>
Training (Please Specify)	<p>General Orientation Course, UGC-Academic Staff College, Madras University , Chennai. 28 days, 09.07.2009 to 05.08.2009.</p> <p>Refresher Course in Life sciences, UGC-Academic Staff College, Bharathiar University, Coimbatore. 21 days, 11.09.2012 to 1.10.2012.</p> <p>Refresher Course in Environmental Sciences, UGC-Human Resource Development Centre, Bharathiar University, Coimbatore. 21 days, 04.07.2018 to 24.07.2018.</p> <p>Refresher Course in Botany, UGC-Human Resource Development Centre, Madras University , Chennai 14 days 18.11.2021 to 1.12.2021.</p> <p>Refresher Course in Botany, UGC-Human Resource Development Centre, Ramanujam College,University of Delhi. 14 days 18.2.2023 to 4.3.2023.</p> <p>Data Processing Course for Social Scientists at Hyderabad From November 27 to December 11, 1994. Conducted by Indian Council of Social Research, New Delhi.</p> <p>Lecture cum Laboratory Programme on THE BASIC TECHNIQUES IN MOLECULAR BIOLOGY from November 1st - 8 th 2004, conducted by the School of Biotechnology, Dr. G.R. Damodaran College of Science, Coimbatore.</p> <p>Training cum Workshop on Bioinformatics, from January 4th to 11th 2005 conducted by Dr. G.R. Damodaran College of Science, Coimbatore.</p>

B) Research Projects carried out: Nil

S. No	Title of the Project	Name of the funding Agency	Duration	Remarks

C. Seminars, conferences, Symposia Workshop etc. attended

Name of the Seminars/ Conferences/ Symposia Workshop etc	Name of the sponsoring Agency	Place and date
International Conference on Contemporary Panorama of Biosciences	Journal of emerging Technologies and Innovative Research	Salem, 6-7 Feb 2019
National Seminar cum Medicinal Plant exhibition on Complementary and alternative Indian system of medicine	Bharatheeya Nattuvaidhya Samithy	Coimbatore, 1-2 Feb 2019
National Conference on Recent Advances in Plant Science	University Grant Commission	Tiruchirappalli, 9-10, March 2017
National Seminar on The art of thesis writing and research publication	University Grant Commission	Karur 6 Jan 2017
National Conference on Transitional and Translational Scenarios in Biological Sciences	ICMR	Coimbatore 9-10 Sep 2016
National Symposium on Marine Bioresources and Coastal Livelihoods	Gujarat Institute of Desert Ecology (GUIDE)	Bhuj –Kachchh, 4-5 March 2016
International Conference on Biodiversity and Bioactive natural products for human welfare – 2016	Indian council of Medical Research, & Department of Biotechnology, GOI	Karur, 10-12 Feb 2016
National Seminar on Recent Trends in Bioactive substances-2013	University Grant Commission	Karur, 5-6 March 2013
National level seminar on Medicinal Plant Diversity – Threats, Conservation and Prospectives	Mother Teresa Women University	Palani, 1 st March 2013
National Conference on Phyto-medicine	DBT, DRDO, DST TNSCST, MoES	Coimbatore, 4-5 Oct 2012
International conference on Environment, Genes, Health and diseases	CSIR,ICMR,INSA New Delhi	Coimbatore, 9-11 Dec 2011
National workshop on Intellectual Property Rights – Opportunities, Issues and Challenges	Ministry of Defence	Coimbatore, 11-12 Aug 2011
International Symposium on Taxonomy, Plant Diversity and Conservation	Indian Association for Angiosperm Taxonomy	Coimbatore, 26-28 Nov 2010
International conference on Biotechnology – Promises & realities	P.S.G.R. Krishnammal College for women	Coimbatore, 14-15 July 2006
State level Bioinformatics Workshop	University of Madras	Coimbatore, 27-28 Jan 2006
National symposium on Rural and Ethno-medicinal plant remedies – Conservation and utilization	University Grant Commission	Coimbatore, 23-25 Sep 2004
National seminar cum workshop on Molecular tools in immune-diagnosis	Human resource group and Council of scientific and	Coimbatore, 11-14 Oct 2004

	industrial research	
National seminar cum workshop on Bioinformatics for Biosciences	Dr. G.R. Damodaran College of science	Coimbatore, 22-24 March 2004
State seminar on environment conservation and protection	TANSEED	Tiruchirapalli, 12-13 March 2004
National conference on recent trends in microbial Biotechnology	SASTRA Deemed University	Thanjavur, 11 March 2004
Workshop on Genomics & Proteomics	Dhanalakshmi Srinivasan College of Arts & Science for women	Perambalur, 23-25 Feb 2004
National symposium on recent trends in biological research	CSIR and University Grant Commission	Thanjavur, 17-19 Feb 2004
International conference on recent advances in Biosciences	PGP College of art and science	Coimbatore, 12-13 Feb 2004
State level seminar on Biotechnology – A tool for Conservation of Biodiversity	Holy cross college	Tiruchirappalli, 31 st Jan to 1 st Feb 2003
Seminar on women empowerment	Small industries development bank of India	23 Feb 2002

iii) Teaching Experience:

Courses Taught	Name of University/College/Institution	Duration	
		Period of employment From – To	Year of Experience
B.Sc and M.Sc	Government Arts College, Coimbatore, Bharathiyar University	15.07.2010 to Till date	14years
B.Sc	NKR Govt. Arts College for Women, Namakkal.	09.07.2009 to 14.07.2010	1 year

Total Teaching Experience (in years and months)

a)	Under – graduate	14
b)	Post – graduate	13
c)	Research	11

viii) Innovations/Contributions in Teaching

a) Design of Curriculum:	1. Board of studies member in Botany inent of Botany, PG and Research Depart Government Arts College(Autonomous), Coimbatore . 2. Board of studies member in Biotechnology in Bharathiar University during 2005-2007.
b) Teaching methods:	LEsD Projector, Chart
c) Laboratory Experiments:	The main focus of the experiments are to examine and identify the plants. Several practicals are conducted to examine different

	taxonomic plant materials . The experiment conducted helped students to be familiar with the plant identification. Using biological Instrumentation which focuses on development of devices and mechanics used to measure, evaluate and treat biological systems.
d) Evaluation methods:	College level Evaluation College level Invigilation, Project –Viva Examiner Competitive exam invigilation. University Representative.
e) Preparation of resource material including books, reading materials, laboratory, Manuals etc:	1.Preparation of resource material- Environmental Science – Management of Energy Resources for School of Distance Education, Bharathiar University. 2. Preparation of resource material- Bioinformatics Genomics and Proteomics for School of Distance Education, Bharathiar University. 1. Books- Biodiversity –Nilgris district Akaram publication 2007 Thanjavur ISBN :978-81-907351-9-3. 2. Environment –Bhavani River Pollution Akaram publication 2008, Thanjavur ISBN :978-81-907351-7-9.. 3. Genomics and Proteomics, Akaram publication 2008, Thanjavur ISBN :978-81-907351-8-6. 4. Micro level environment status report of the Bhavani River Basin Environment cell division WRO-PWD, Coimbatore & CARE TRUST, 2004.
g) Remedial Teaching / Student Counseling (academic):	Class Tutor incharge and identify the students who are difficulties in learning and provide counseling
h) Any other:	Admission committee B.Sc., Class tutor

IX) Research Contribution

a) Ph.D/ M.Phil undergoing scholars

S. No	Name of the M. Phil /Ph.D (PT/FT) Scholar	Name of the University	Broad Field	Registration Number	Year of Registration
1	Deepa kumara.A	Bharathiar	Microbial Biotechnology	11737/B1/2017	2017
2	Shanthni.J	Bharathiar	Bionanotechnology	CRE/BOT 22PNOV 924/2022	2022
3.	Mary Suganya. L	Bharathiar	Algal bionanotechnology	Yet to come	2023

B. Ph. D / M. Phil Awarded

S. No	Name of the M. Phil /Ph.D (PT/FT) Scholar	Name of the University	Title of the thesis	Year of registration of the scholar	Year of award of M. Phil / Ph.d
1.	Veena. K. M. Phil (PT)	Bharathiar University	Phytochemical analysis, Anti-bacterial activity of Aerial parts of <i>Ixora coccinea</i> Linn.	2012	2020
2.	Dhanabal. M. M. Phil (FT)	Bharathiar University	Direct Micropropagation, Proximate composition and Antioxidant properties of <i>Brassica oleracea</i> L. var. <i>italic</i> (Broccoli)	2013	2015
3.	Sowbaraniga. R M.Phil (FT)	Bharathiar University	Biosynthesis of copper Nanoparticles usits of <i>Momordica cyng fruimbalaria</i> Hook. f., and its characterization anticancer, antioxidant activities	2014	2016
4	Deepakumari. A. M.Phil (PT)	Bharathiar University	Green synthesis and characterization of copper nanoparticles using of <i>Capsicum frutescens</i> L. and its antimicrobial, Anticancer activities.	2014	2017
5	Krishnaveni. K. M.Phil (PT)	Bharathiar University	Assessment of nutritive value, phytochemical constituents and antibacterial activity of <i>Epiphyllum oxypetalum</i> (DC.) Haw.	2016	2018
6	Sowbaraniga R. Ph.D (FT)	Bharathiar University	Qualitative and quantitative phytochemical analysis, copper nanoparticle synthesis and characterzation pharmacological activities of fruits of <i>Cucumis dipsaceus Ehrenb.ex Spach</i>	2016	2020
7	Prema. G. Ph. D (FT)	Bharathiar University	Phytochemical and pharmacological studies in <i>ziziphus rugosa</i> lam. Fruits	2017	2023

X) Extension Work/Community Service**A) Please give a short account of your contribution to:**

1. Government Arts College conducted the one day training programme on “Application of science and technology in rural areas” with support of Tamil Nadu State Council for Science and Technology was held on 25.10.2017 at Paladurai village, Madukarai block, Coimbatore district. The main focus of the training programme deliberation was on value addition of product in particular on millet. More than 100 number of villagers and faculty from Government Arts College have attended the meeting.

2. Blood grouping identification camp at Paladurai village, Coimbatore. in 2005.

B) Position held /Leadership role played in organizations linked with Extension Work National Service Scheme(NSS) or NCC or any other similar activity

C) Participation in Corporate Life

Please give a short account of your contribution to:

a) College/University/Institution	
b) Co –curricular activities	Field trips for students and visited Central Government Institutions.
c) Enrichment of Campus Life (Hostel, sports, games, cultural activities)	
d) Students Welfare and Discipline	Member Free Bus Pass college committee
e) Membership /Participation in Bodies	
f) Professional Organization of Teachers	

D (a) Membership of Professional Bodies Societies, Editorship of Journals etc

1. Member in Indian Science Congress Association

2. Member in Legume Research Association

E. Any other information

1. Bharathidasan University appointed as examiner to conduct the Public viva voce for the candidate K. Sridara vishnusudhan for the degree of Doctor of Philosophy in Botany. Jamal Mohammed College (Autonomous) Tiruchirappalli in 2012.

2. Bharathidasan University appointed as examiner to conduct the Public viva voce for the candidate K. Raja lakshmi for the degree of Doctor of Philosophy in Botany. Jamal Mohammed College (Autonomous) Tiruchirappalli in 2013.

3. Tree planting activities with social service organizations like CARE-T and Arivoli sudargal.

Dr. M. Chitra

Signature of the Teacher