

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

i) General Information

a) Name: Dr. P. HEMALATHA

b) Address (Residential): 3/382C, Vrikshaa
 Sri Ramdev Garden
 Naduppalayam Road
 Pattanam
 Coimbatore - 16

Mobile No.: 9894052774



c) Designation: Assistant Professor

d) Department: Physics

e) Date of Birth: 28/05/1973

f) Area of Specialization: Nanomaterials, Non-linear optical materials, Quantum dots

A) Academic Qualifications

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
High School	Tamil, English, Science, Mathematics, Social Science	Board of Secondary Education	1988	74.6%
Higher Secondary or Pre-degree	Tamil, English, Mathematics, Physics, Chemistry, Biology	Board of Higher Secondary Education	1990	60.75%
Bachelor's Degree (s)	Physics	Bharathiar University	1993	78.9%
Master's Degree (s)	Physics	Bharathiar University	1996	66.7%
Research Degree (s)	M.Phil (Physics)	Bharathiar University	1999	65 % Commended
	Ph.D (Physics)	Bharathiar University	2009	Highly commended
Other Diploma/ Certificates etc.	MCA	Bharathidhasan University	2002	65%

ii) Research Experience & Training

Research Stage	Title of work / Thesis	University where the work was carried out
M. Phil. or Equivalent	Laser Communication System	Bharathiar
Ph. D.	Synthesis, Growth and characterization of S-Benzylisothiuronium complex crystals	Bharathiar
Post-Doctoral	NIL	
Publications (give a list separately)	Annexure - I	
Research Guidance (give names of students guided successfully)	1. A. Premnath (M.Phil) 2. S. Banupriya(M.Phil) 3. K.G. Anupriya (Ph.D)	Bharathiar Bharathiar Bharathiar
Training (please specify)	NIL	

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
1.	Enhancing the bioavailability of Curcumin – Anticancer therapy	UGC	2014-2016	Completed

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

Name of the Seminars / Conferences / Symposia / Workshops etc	Name of the Sponsoring Agency	Place and Date
Seminars		
1. World year of Physics	---	Bharathiar University, Coimbatore. 17/03/2005
2. NASCOM – 2006	---	PSGR Krishnammal College, Coimbatore. 20/09/2006
3. 36 th National seminar on Crystallography	---	University of Madras 22-24/01/2007
4. New materials research and Nanotechnology (BEST PAPER PRESENTATION AWARD)	UGC, DST	Government Arts College Ooty.12-14/09/2012

<u>Conferences</u>		
1. National conference on Mathematical and computational models	---	PSG College of Technology, Coimbatore. 27&28/12/2001
2. National conference on Thin film techniques and Applications	UGC	PSG College of Arts and Science, Coimbatore. 1&2/02/2002
3. National conference on Emerging Areas in Thin film Science and Technology	---	PSG College of Technology, Coimbatore. 13&14/02/2009
4. National conference on Recent Advances in Applied Sciences	Indian Spectro Physics Association	Dr. MGR University, Madras 10&11/02 2012
5. International conference on Biological Inorganic Chemistry	---	Periyar University, Salem 22-22/02/2013
<u>Workshops</u>		
1. Quantum mechanics through MATLAB	---	Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore. 19-21/12/2005
2. Honing your language skills	Canada India Institutional Co-operation Project	PSG Polytechnic College, Coimbatore. 01/11/2007
3. QA testing of X-ray Diagnostic machines for Regulatory Compliance	---	PSG College/Hospital Coimbatore. 26-28/12/2007
4. Relationship with students and teachers	Canada India Institutional Co-operation Project	PSG College of Technology, Coimbatore. 27/12/2008
5. Advanced materials processing, characterization and applications	---	PSG College of Technology, Coimbatore. 12/02/2009
6. Applications of Nonlinear dynamics in Engineering and Technology	IAS, Bangalore INSA, New Delhi NAS, Allahabad	PSG College of Technology, Coimbatore. 30/7-1/8/2009
7. Radiation protection in interventional cardiology	---	PSG College/Hospital Coimbatore. 18-19/12/2009
8. Genetic algorithm and its application using MATLAB	Canada India Institutional Co-operation Project	PSG Polytechnic College, Coimbatore. 30/01/2010

iii) Teaching Experience

Courses Taught	Name of the University / College / Institution	Duration
iv) UG (BA / B.Sc., etc. Pass) (BA / B.Sc., etc. Hons.)	PSG Arts and Science College	10 months
	Sri Ramkrishna Institute of Technology	10 months
	Karpagam Arts and Science Collge	4 years
	PSG College of Technology	4 years
	LRG Government Arts College for Women	3 years
	Government Arts College, Coimbatore	5/2/2015 to Till date
v) PG (MA / M.Sc., etc.)	PSG Arts and Science College	10 months
	Karpagam Arts and Science Collge	4 years
	PSG College of Technology	4 years
	Government Arts College, Coimbatore	5/2/2015 to Till date
vi) M. Phil.	Government Arts College, Coimbatore	5/2/2015 to Till date
vii) Any other		

Total Teaching Experience (in years and months) :

- a) Under-graduate (Pass) : 18 years
- b) Under-graduate (Hons.) : NIL
- c) Post-graduate : 13 years

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

a) Design of Curriculum :	From fundamentals to recent development
b) Teaching methods :	Group discussion, Quiz program, PPT
c) Laboratory experiments :	Conducting practical in the lab
d) Evaluation methods :	Frequent tests, Assignment, Model exam
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	Study materials

f) Remedial Teaching / Student Counseling (academic) :	Special attention to slow learners
g) Any other :	Motivating the students for higher studies, preparing for CSIR/SET examination

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.

Creating awareness about the basic values, social skills and prosaically behavior among students and members of the community.

ii) National Literacy Mission

Creating awareness about the importance and value of literacy

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

D. Participation in Corporate Life

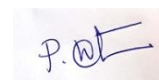
Please give a short account your contribution to:

a) College/ University / Institution	Assisting Principal in academic activities, HOD in department activities, Discipline in the campus
b) Co-curricular Activities	Helping the students to actualize their potential, motivate the students to attend seminars/conferences
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	Helping/assisting/guiding the Principal, HOD, Colleagues and students to enrich the campus life
d) Students Welfare and Discipline	Advice to wear ID cards inside the college campus, importance of campus clean
e) Membership / Participation in Bodies / Committees on Education and National Development	Board of studies member in GVG. Vishalakshi College, Udumalpet (2010-2013) Board of studies member for university affiliated colleges, Bharathiar University, Coimbatore (2013-2016)
f) Professional Organization of Teachers	NIL

E. (a) Membership of Professional Bodies, Societies etc.: NIL

(b) Editorship of Journals: NIL

F. Any other information: NIL



(Signature of the Teacher)

ANNEXTURE I

LIST OF PUBLICATIONS

S.No	Author(s)	Title	Name of the Journal	Volume	Page	Year
1	G.K Anupriya P. Hemalatha	Growth, Structural, Optical, Thermal, Mechanical and Non Linear Property of Ferrous Sulphate Doped Sulphamic Acid Single Crystal	International Journal of Innovative Research in Science, Engineering and Technology	6	8254-8261	2017
2	G.K Anupriya P. Hemalatha S. Arunadevi	Growth and Characterization of Aluminium Nitrate Doped Sulphamic Acid Single Crystal	Elixer crystal growth	108	47707-47710	2017
3	P. Sagunthala V. Veeravazhuthi P. Yasotha P. Hemalatha	Anticancer and antimicrobial activities of single crystals of L Alanine added Nickel (II) and Copper (II) sulphates	World Journal of Pharmaceutical Research	6	672-685	2017
4	G.K Anupriya P. Hemalatha	Growth and Characterization of Ammonium Chloride Doped Sulphamic Acid Single Crystal	International Journal of Current Multidisciplinary Sciences	3	842-846	2017
5	P. Sagunthala V. Veeravazhuthi P. Hemalatha P. Yasotha	A study on the growth of pure and zinc sulphate mono hydrate doped glycine NLO single crystals and their properties	<u>International Journal of chemical science</u>	14	1041-1050	2016
6	P. Sagunthala V. Veeravazhuthi P. Hemalatha P. Yasotha	A study on the growth and characterization of zinc sulphate mono hydrate doped glycine NLO single crystals	<u>Ferro Electrics</u>	504	96-103	2016
7	P. Sagunthala V. Veeravazhuthi P. Hemalatha P. Yasotha	Growth characterization, antimicrobial and anticancer activities of L Alanine added Nickel sulphate Crystals	World Journal of Pharmaceutical Research	4	414-425	2016

8	P. Hemalatha A. Premnath	Study on Silver nano particle encapsulated curcumin for anticancer activity	World Journal of Pharmaceutical Research	5	958-973	2016
9	J. Kishor Kumar G. Anand S. Gunasekaran P. Hemalatha S. Kumaresan	Thermal, optical, mechanical and dielectric characterization of urea doped thiourea zinc sulphate single crystals	Elixir Crystal Growth	61	17110-17114	2013
10	P. Hemalatha S. Kumaresan V. Veeravazhuthi S. Gunasekaran	Synthesis, growth and spectral studies of S-benzyl isothiuronium nitrate by density functional methods	<u>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</u>	109	1-7	2013
11	P. Hemalatha S. Kumaresan V. Veeravazhuthi	Determination of Optical Birefringence of S-Benzylisothiuronium Complex Crystals using Channelled Spectrum Method	J. Environ. Nanotechnol.	2	13-16	2013
12	P. Hemalatha, V. Veeravazhuthi A. Candramohan	Synthesis, growth and characterization of Bis-S-benzylisothiuronium tetrachlorido zincate (II) a semiorganic nonlinear optical crystal	<u>Journal of Crystal Growth</u>	311	4317-4322	2009
13	P. Hemalatha V. Veeravazhuthi C.K Shashidharan Nair	Determination of optical birefringence of S-benzylisothiuronium chloride and S-benzylisothiuronium nitrate using Cauchy's two term model by the channelled spectrum method	<u>Optics Communications</u>	282	2620-2623	2009
14	P. Hemalatha V. Veeravazhuthi D. Mangalaraj	Vickers microhardness study of nonlinear optical single crystals of doped and undoped S-benzyl isothiuronium chloride	<u>Journal of Materials Engineering and Performance</u>	18	106-108	2009
15	P. Hemalatha V. Veeravazhuthi D. Velmurugan L. Senthilkumar J. Mallika D. Mangalaraj	Importance of hydrogen bonding for second harmonic generation effect: X-ray diffraction and DFT study on S-benzyl isothiuronium chloride	<u>Journal of Physics and Chemistry of Solids</u>	70	322-325	2009

16	D.Gayathri D.Velmurugan P. Hemalatha <u>V. Veeravazhuthi</u> <u>K.Ravikumar</u>	Bis(S-benzyl-isothio- uronium) tetra- chloridozincate(II)	<u>Acta</u> <u>Crystallographica</u> <u>Section E:</u> <u>Structure Reports</u> <u>Online</u>	64	M848- 849	2008
17	P.Hemalatha V.Veeravazhuthi	S-benzyl-isothio- uronium nitrate	<u>Acta</u> <u>Crystallographica</u> <u>Section E:</u> <u>Structure Reports</u> <u>Online</u>	64	O1805	2008
18	P.Hemalatha V.Veeravazhuthi J. Mallika S.K. <u>Narayandass</u> D.Mangalaraj	Synthesis, growth and characterization of S- benzyl isothiuronium chloride single crystals	<u>Crystal Research</u> <u>and Technology</u>	41	775- 779	2006