

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



i) General Information

- a) Name: Dr.N.VELMANI
- b) Address (Residential): 3/360, EASWARA NAGAR (WEST),
 K.VADAMADURAI, COIMBATORE
 641017
 Mobile No.:9942909994
- c) Designation: ASSISTANT PROFESSOR
- d) Department: POST GRADUATE & RESEARCH DEPARTMENT OF CHEMISTRY
- e) Date of Birth: 12.08.1966
- f) Area of Specialization: PHYSICAL CHEMISTRY

A) Academic Qualifications

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
High School	Tamil, English, Mathematics, Science, Social Studies	Anglo-Indian Board	1982	FIRST
Higher Secondary or Pre-degree	Tamil, English, Mathematics, Physics, Chemistry, Biology	Board of Higher secondary Education	1984	FIRST
Bachelor's Degree (s) B.Sc	Tamil, English, Chemistry, Mathematics, Physics	Bharathiar University	1987	FIRST
Master's Degree (s) M.Sc	Chemistry	Bharathiar University	1989	FIRST
Research Degree (s) Ph.D	Chemistry	University of Madras	1998	HIGHLY COMMENDED

ii) Research Experience & Training

Research Stage	Title of work / Thesis	University where the work was carried out
M. Phil. or Equivalent	-----	-----
Ph. D.(FULL TIME)	CATALYTIC REACTIONS [<i>Preparation and Characterization of Oxide Semiconductor Particulates and their Photocatalytic Reactions</i>]	UNIVERSITY OF MADRAS MADRAS 600025
Post-Doctoral	-----	-----
Publications (give a list separately)	Please Refer Appendix - A	-----
Research Guidance		
1. GEETHA. K (Ph.D)	FEASIBILITY STUDY ON THE TREATMENT OF DYES USING ACID ACTIVATED CARBON DERIVED FROM KAPOK BARK AND IPOMOEIA STEM WASTES.	ANNA UNIVERSITY
2. MAHESWARI. K (M.Phil)	ADSORPTIVE REMOVAL OF MALACHITE GREEN FROM WASTE WATER WITH CARYOTA URENS CARBON.	BHARATHIAR UNIVERSITY
3. MANIVANNAN. J (M.Phil)	COMPARATIVE STUDY OF ACRYLIC POLYOL WITH VARYING HYDROXYL VALUES IN POLYURETHANE COATINGS	BHARATHIAR UNIIVERSITY
Training (please specify)	Please Refer Appendix - C	-----

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
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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
Please Refer Appendix – C		

iii) Teaching Experience

Courses Taught	Name of the University / College / Institution	Duration
iv) UG (BA / B.Sc., etc. Pass) (BA / B.Sc., etc. Hons.)	(i) Government Arts College, Udumalpet / Bharathiar University	09.07.2009 – 10.10.2012
	(ii) Government Arts College (Autonomous), Coimbatore / Bharathiar University	11.10.2012 – Till date
v) PG (MA / M.Sc., etc.)	(iii) Government Arts College, Udumalpet / Bharathiar University	09.07.2009 – 10.10.2012
	(iv) Government Arts College (Autonomous), Coimbatore / Bharathiar University	11.10.2012 – Till date
vi) M. Phil.		
vii) Any other	-----	-----

Total Teaching Experience (in years and months) : 9 Years 11 months

a) Under-graduate (Pass) : 09.07.2009 – to present

b) Under-graduate (Hons.)

c) Post-graduate : 09.07.2009 – to present

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

a) Design of Curriculum :	Designed syllabus for B.Sc., M.Sc., (Chemistry) Courses, M.Phil course
b) Teaching methods :	Lecturing,, educational quiz, group discussions, seminars. Teaching through A/V aids, Industrial visits and training.
c) Laboratory experiments :	Removal of obsolete and introduction of experiments in relation to environmental concerns
d) Evaluation methods :	Tests, seminars, problem solving experiments, Paper presentation. Attentiveness of the student is periodically watched, Problem solving Exercises, Projects.
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	1. Mainly prescribed text books 2. Consultation with senior professors 3. Journals and magazines 4. Internet, Magazines, News papers
f) Remedial Teaching / Student Counseling (academic) :	Special coaching classes, Identifying students' problems, helping them in solving problems, parental counselling
g) Any other :	Periodical counselling to students of the Department / college in the Guidance and Counselling center.

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	Motivating students to participate in events/activities organized in other colleges
b) Co-curricular Activities	Special coaching given to the students to develop their language proficiency, aptitude and other soft skills
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	Helping/assisting/guiding the Principal, HOD, Colleagues and students to recreate a lively atmosphere in hostel, cultural etc.
d) Students Welfare and Discipline	Periodical counselling to the students, their Parents and family members in the Guidance and Counselling center.
e) Membership / Participation in Bodies / Committees on Education and National Development	Member – Board of Studies, Syllabus framing and Revision, External and Internal Examiner for both Theory and Practical Examinations University Nominee of Bharathidasan University as BoS in Chemistry (UG, PG, M.Phil) at the Rajah College, Pudukottai Quality auditor for examinations in Karunya University .
f) Professional Organization of Teachers	----

E.

(a) Membership of Professional Bodies, Societies etc.

(b) Editorship of Journals

F. Any other information _____

(Signature of the Teacher)

Research Papers

1. Comparative study of Polyol with varying Hydroxyl values in polyurethane coatings

J. Manivannan, S. Kalaiselvan, N Velmani* J for Res. Engineering appln & Management, **2018**, Vol.4, (4), pp.74

2. Evaluation of thermodynamic studies on Reactive Blue 2 using activated precursors from agro squander

Geetha.K, NanjanVelmani, J Chem Pharm Res, **2016**, Vol.8, (4) pp.1234-1241

3. Comparison on Equilibrium and Kinetics studies on the removal of Direct green 6 from aqueous solutions using activated carbons prepared from agro waste

Geetha.K, NanjanVelmani, Dig. J Nanomater Biostructures **2016**, Vol.11, pp. 199-212

4. Non-commercial Agro waste product for the removal of Acid Red 114 using Ipomea carnea stem waste

K.Geetha, N.Velmani, A.Manimaran, K.Mabel Hebsuba, S.Karthikeyan, J Environ. Nanotechnol., **2016**, Vol. 5, (1), pp. 39-45

5. Systematic investigation of heavy metal assays in Indian fashion jewellery.

Rajagopal Mayildurai, Nanjan Velmani, Alagunambi Ramasubbu*, The Int. J Sci & Technoledge **2015**, Vol.3, (8), pp.8-16

6. ICP-OES investigations of Heavy Metal Contents in Cosmetic Products.

Mayildurai Rajagopal, Ramasubbu Alagunambi, Velmani Nanjan, J Pharm Res **2015**, Vol.9, pp 27-30

7. Diverse Technology and Methods for Dye Treatment.

K. Geetha and N.Velmani, Asian J of Chem, **2015**, Vol.27, pp. 1177-1184

8. Adsorption Efficiency of *Ceiba Pentradenta* Wood Waste Onto Cationic Dye Removal

K Geetha, N.Velmani, P.S.Syed Shabudeen Int J of Chem Tech Res **8 (2014)**, 397-410

9. Comparison of Physio-chemical Characterization of *Ceiba Pentradenta* Wood waste and *Ipomea Carnia* Stem waste by H₃PO₄ Treatment for the Dye removal.

K. Geetha, N.Velmani, S.Karthikeyan and P.S.Syed Shabudeen Oriental J Chem, **2014**, Vol.30, pp. 2017-2023

10. *Ceiba Pentradenta* wood waste activated carbon for waste water treatment.

K. Geetha N.Velmani, S.Karthikeyan and P.S.Syed Shabudeen Carbon-Sci & Tech, **2014**, Vol.6, pp.395-406

11. Estimation of Acid Red 114 adsorption using *Ceiba Pentradenta* wood bark based activated carbon modified using phosphoric acid.

K. Geetha N.Velmani, and P.S.Syed Shabudeen J Chem Pharm Res, **2014**, Vol.6, pp.26-39

Participations

1. Nominated to the Board of Studies in CHEMISTRY (**UG, PG and M.Phil.**) at H.H. The Rajah's College (Autonomous) Pudukkottai -622 001 with effect from **12.03.2015** as **UNIVERSITY NOMINEE** by **BHARATHIDASAN UNIVERSITY**
2. A resource person at the PG Department of Chemistry, **ERODE ARTS & SCIENCE COLLEGE** (Autonomous) ERODE, to deliver a lecture in "Instrumental Methods of Analysis" on **06.01.2015**
3. Participated in the UGC-Sponsored Refresher Course in Chemistry held from **06.11.2014 to 26.11.2014** at UGC-ACADEMIC STAFF COLLEGE (UGC-ASC), BHARATHIAR UNIVERSITY, Coimbatore.
4. Participated in the "Workshop on X-Ray Crystallography and its Applications (WXRCA-2014) organized by the DEPARTMENT OF CHEMISTRY, BHARATHIAR UNIVERSITY, Coimbatore on **5th & 6th March 2014**.
5. Delivered A talk on "Statistical Thermodynamics" in the two day seminar on the "**Fundamentals of Statistical Thermodynamics, Nanochemistry, Corrosion chemistry and Spectroscopy – STNCS 2013**" organized by Nirmala College for Women, Coimbatore on **3rd & 4th September 2013**.