

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



i) General Information

a) Name: Dr.P.K.KASTHURI

b) Address (Residential): 17/11 Sri Ram Lay out, Saibaba colony post, Coimbatore- 641 011
Mobile No: 9486185385

c) Designation: Assistant Professor

d) Department: PG& Research Department of Chemistry

e) Date of Birth: 11.04.1973

f) Area of Specialization: Electrochemistry- Corrosion Science and Control

A) Academic Qualifications

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
High School (10th)	Tamil, English, Maths, Science, History, Geography	State Board (Tamil Nadu)	1988	I Class 80.8%
Higher Secondary or Pre-degree(+2)	Tamil, English, Maths, Physics, Chemistry, Home science	State Board (Tamil Nadu)	1990	I Class 68.3%
Bachelor's Degree (s)	B.Sc Chemistry and Physics	Avinashilingam Deemed University, Coimbatore 43	1993	I Class 80.0%
Master's Degree (s)	M.Sc., Applied Chemistry	Govt College Of Technology, Coimbatore-13	1995	I Class 66.82%

Master's Degree (s)	M.Phil., Applied Chemistry	Avinashilingam Deemed University, Coimbatore 43	2002	I Class
Research Degree (s)	Ph.D chemistry	Anna University, Chennai	2009	Highly Recommended by the Examiners

ii) Research Experience & Training

Research Stage	Title of work / Thesis	University where the work was carried out
M. Phil. or Equivalent	-	Avinashilingam Deemed University, Coimbatore 43
Ph. D.	Bio Extracts as inhibitors in the corrosion of mild steel	Anna University, Chennai.
Post-Doctoral	-	-
Publications (give a list separately)	List enclosed(Appendix A)& B	-
Research Guidance (give names of students guided successfully)	Dr.SAejitha- Ph.D Dr.P.Geethamani- Ph.D Dr.A.Srinivasulu- Ph.D	Bharathiar University
Training (please specify)	Mr.L.Madhanraj- Doing Ph.D	LRG Govt Arts College For Women, Tirupur-604

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
	-	-	-	-

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
Refresher Course	1.UGC Academic Staff College	Bharathiar University 06/10/2010-26/10/2010
	2. UGC Academic Staff College	Bharathiar University 22/07/2015-11/08/2015

iii) Teaching Experience

Courses Taught	Name of the University / College / Institution	Duration
iv) UG (BA / B.Sc. , etc. Pass) (BA / B.Sc., etc. Hons.)	LRG Govt Arts College For Women, Tirupur-604	09.07.2009 – 06.09.2019
	Govt.Arts college- Coimbatore (Autonomous)	06.09.2019 -- Till Date
v) PG (MA / M.Sc. , etc.) Chemistry	LRG Govt Arts College For Women, Tirupur-604	23.09. 2013 - 06.09.2019
	Govt.Arts college- Coimbatore (Autonomous)	Nov 2019- Till date
vi) M. Phil. & Ph.D	LRG Govt Arts College For Women, Tirupur-604	July 2011- Sep 2019

	Govt.Arts college- Coimbatore (Autonomous)	Sep 2019 – Tilldate
vii) Any other(BE First year & Final year)	Anna University Chennai Affiliated colleges	Oct 1996 - 30.06.2009

Total Teaching Experience (in years and months) : 22.5 years

a) Under-graduate (Pass) : 22.5 years

b) Under-graduate (Hons.) :

c) Post-graduate : 6 years

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

a) Design of Curriculum :	Extending full cooperation with the department in suggesting changes in courses, content and modification required in syllabus.
b) Teaching methods :	Lectures, Group discussions, Seminars, PowerPoint presentation, Industrial visit and Training
c) Laboratory experiments :	Conducting lab experiments based on syllabus and conducting Viva-Voce
d) Evaluation methods :	Assessment test, seminars, problem solving, Decision making experiments, Attentiveness of the student is periodically watched, projects.
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	(i)Mainly prescribed text books (ii)Consultation with senior professors (iii)Journal & magazines (iv)Internet, magazines, Newspapers
f) Remedial Teaching / Student Counseling (academic) :	Special coaching classes, Identifying student problems, helping them in solving problems, Parental counseling.
g) Any other :	Tutor for UG and PG students, Periodical counseling to students of the Dept/ College.

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, Interpersonal skills, Social skills, Pro social behavior among students and members in the community, etc.

ii) National Literacy Mission: Creating awareness about the importance and values 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

D. Participation in Corporate Life

Please give a short account your contribution to:

a) College/ University / Institution	Helping the Principal, HOD in the departmental activities, maintains discipline in the campus, motivates the students to join all the extracurricular activities.
b) Co-curricular Activities	Participated in the planning meeting of the placement Officers at the department Extension, Career Guidance and Welfare, Bharathiar University.
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	–
d) Students Welfare and Discipline	Periodical counseling to the students, their parents and the family members in the guidance and counseling centre, training Yoga
e) Membership / Participation in Bodies / Committees on Education and National Development	Internal and External Examiner in theory and Practical Examinations.
f) Professional Organization of Teachers	–

E.

(a) Membership of Professional Bodies, Societies etc. – Society for Scientific Research

(b) Editorship of Journals Nil

F. Any other information

(Signature of the Teacher)

APPENDIX-A

Research Experience & Training: List of Publications

LIST OF PAPER PRESENTATIONS

1. P.K.Kasthuri and A.Arulanantham “The effect of Acalypha indica extract as corrosion inhibitor on the mild steel in 1M sulphuric acid” – National seminar on Recent Advances in Textile and Electrochemical Sciences , June 1-2, 2007, Alagappa university, Karaikudi, Tamil Nadu, India.
2. P.K.Kasthuri “Inhibitive effect of extract of leaves and vegetables Solanum verbascifolium (Sundai) on Corrosion of mild steel in acidic medium” - National seminar on Current Trends in Biological Sciences, Dec 12-13, 2002, Avinashilingam Deemed University, Coimbatore, Tamil Nadu, India.
3. P.K.Kasthuri and A.Arulanantham “Croton sparciflorus as corrosion inhibitor for mild steel 1M Sulphuric acid” – Fourteenth National Congress on Corrosion Control, Sep 18-20, 2008, Hotel Green Park, Hyderabad, Tamil Nadu, India.
4. P.K.Kasthuri and M.Shymala “Croton sparciflorus as corrosion inhibitor on mild steel in Hydrochloric acid medium” – National Conference on Recent Advances in Textile and Electrochemical Sciences (RATES -2009), Dec 4-5, 2009, Alagappa university, Karaikudi, Tamil Nadu, India.
5. M.Shyamala and P.K.Kasthuri “Inhibitory effect of the some ecofriendly inhibitors on the corrosion of mild steel in acid medium” – National Conference on Recent Advances in Textile and Electrochemical Sciences (RATES -2009), Dec 4-5, 2009, Alagappa university, Karaikudi, Tamil Nadu, India.

6. P.K.Kasthuri and M.Shyamala “Eco-Friendly extract of Euphorbia hirta as corrosion inhibitor on mild steel in Sulphuric acid medium” – National Conference on Corrosion Assessment and its Control, Dec 21-22, 2009, Thiagarajar College of Engineering, Madurai, Tamil Nadu, India.
7. M.Shyamala and P.K.Kasthuri “The Inhibitory effect of Tridax procumbens Extract on the Corrosion of mild steel in 1M HCl medium” – National Conference on Corrosion Assessment and its Control, Dec 21-22, 2009, Thiagarajar College of Engineering, Madurai, Tamil Nadu, India.
8. P.K.Kasthuri and M.Shyamala “Influences of Some Bioextracts on the Corrosion of mild steel in Acidic media” – National Conference on Recent Advances in Electrochemical Techniques, Feb 25-26, 2010, Gandhigram Rural Institute – Deemed University, Gandhigram, Tamil Nadu, India.
9. M.Shyamala and P.K.Kasthuri “Influence of Solanum xanthocarpum Extract for the Corrosion Inhibition of mild steel in Acidic medium” – National Conference on Recent Advances in Electrochemical Techniques, Feb 25-26, 2010, Gandhigram Rural Institute – Deemed University, Gandhigram, Tamil Nadu, India.

APPENDIX-B

Research Experience & Training: List of Publications

I. Publications (International / National)

1. P.K.Kasthuri, A.Arulanantham and M.Natesan, The effect of Acalypha indica extract as corrosion inhibitor on the mild steel in 1M sulphuric acid, Journal of Metallurgy and Materials Science, 48, No.2, (2006), pp.109-116.
2. R.Saratha, P.K.Kasthuri and S.Sivakamasundari, Inhibitive effect of extract of leaves and vegetables Solanum verbascifolium (Sundai) on Corrosion of mild steel in acidic medium., Journal of Electro Chemical Society, India, 52, (4), (2003), pp.163-168.
3. P.K.Kasthuri and A.Arulanantham, Inhibition Effect of Eco-friendly Extract of Euphorbia hirta on Dissolution of Mild Steel in Hydrochloric Acid Medium, Nature Environment and Pollution Technology, 8, No.4, (2009), pp729-732.

4. P.K. Kasthuri and A.Arulanantham, Corrosion Inhibition of mild steel by Eco-Friendly extract of *Croton sparciflorus*, *Asian Journal Chemistry*, 22, No.1, (2010), pp.408-414.
5. P.K. Kasthuri and A.Arulanantham, Eco-Friendly extract of *Euphorbia hirta* as corrosion inhibitor on mild steel in Sulphuric acid medium. *Asian Journal Chemistry*, 22, No.1, (2010), pp.430-437.
6. S.Aejitha, P.K. Kasthuri and Geethamani, Inhibition effect of *Antigonon leptopus* extract on mild steel in Sulphuric acid, *Indian Journal of Applied Research*, Vol 4 ,Issues 12, Dec 2014.
7. S.Aejitha, and P.K. Kasthuri, Inhibition Action of Mild Steel Corrosion in HCl acid Medium by Extract of *Digera muricata*, *International Journal of Science and Research*, Vol 3 ,Issues 9, Sep 2014.
8. S.Aejitha, P.K. Kasthuri and Geethamani, Inhibitory action of *Acalypha indica* Extract on corrosion of Mild Steel in Hydrochloric acid medium. *International Journal of Chemical Science Review and Letters*, 2014,2 (7),566-573.
9. S.Aejitha, P.K. Kasthuri and Geethamani, Corrosion studies with *Antigonon leptopus* in 1M HCl *International Journal of Chemical Society*13 (1),2015, 38-52.
10. S.Aejitha, P.K. Kasthuri and Geethamani, Comparison of the Corrosion inhibition efficiencies of mild steel in different Acidic Mediums using *Commiphora caudata* plant , *International journal of Advanced Technology in Engineering and Science*, Vol 03, Issue No .05, May 2015.
11. S.Aejitha, P.K. Kasthuri and S.Jyothi, Corrosion inhibitory action of *Commiphora caudata* extract on the mild steel Corrosion in 1M H₂SO₄ acid medium,
12. *Journal of Adhesion Science and Technology*, 2015,
<http://dx.doi.org/10.1080/01694243.2015.1118284>
13. S.Aejitha, P.K. Kasthuri and Geethamani, comparison study of corrosion inhibition of *Commiphora caudata* and *Digera muricata* for mild steel in 1M HCl solution, , *Asian Journal Chemistry*, 28, No.2, (2016), pp.307-311.

14. P.Geethamani, P.K.Kasthuri and S.Aejitha The inhibitory action of expired Asthalin drug on the corrosion of mild steel in acidic media: A comparative study, Journal of the Taiwan institute of Chemical Engineers, Elsevier, 2016, 63, 490-499.
15. P.Geethamani, P.K.Kasthuri and S.Aejitha, Corrosion inhibition of mild steel in sulphuric acid medium by ambroxol drug, International Journal of Applied Chemical Science, 2015, 3 (4), 151-157.
16. P.Geethamani, P.K.Kasthuri and S.Aejitha, An expired non-toxic drug acts as corrosion inhibitor for mild steel in hydrochloric acid medium, International Journal of Chemistry and Pharmaceutical Science, 2015, 3 (1), 1442-1448.
17. P.Geethamani, P.K.Kasthuri and S.Aejitha, A new pharmaceutically expired drug acts as corrosion inhibitor for mild steel in acidic medium, Corrosion and Dye, Elixir international journal, 2014, 76, 28406-28410.
18. P.Geethamani and P.K.Kasthuri, Adsorption and corrosion inhibition of mild steel in acidic media by expired pharmaceutical drug. Physical Chemistry, Cogent Chemistry, Taylor and Francis, 2005, 1, 1:1091558, 1-11.
19. P.Geethamani, P.K.Kasthuri and S.Aejitha ,Mitigation of mild steel corrosion in 1 M H₂SO₄ medium by croton Spariciflorus, A green inhibitor, International Journal of Chemical Science Review and Letters, 2014, 2 (6), 507-516.
20. A.Srinivasulu, P.K. Kasthuri., Study of Inhibition and Adsorption Properties of Mild Steel Corrosion by Expired Pharmaceutical Gentamicin Drug in Hydrochloric acid medium, Oriental Journal of Chemistry, 33(5), (2017), 26162624 (UGC recognized Journal, indexed by SCOPUS)
21. A.Srinivasulu, P.K. Kasthuri., Study of Inhibition and Adsorption Properties of Expired Pharmaceutical Norfloxacin Drug for Mild Steel Corrosion in Hydrochloric acid medium, Der Pharma Chemica, 9(10), (2017), 16-22 (indexed by SCOPUS)
22. . A.Srinivasulu, P.K. Kasthuri and A.Parmeswar., An Expired Non- Toxic Drug Acts as Corrosion Inhibitor for Mild Steel in Hydrochloric acid medium, Asian Journal of Chemistry, 28(11), (2016), 2375-2378 (indexed by SCOPUS)
23. A.Srinivasulu, P.K. Kasthuri., Quantum Chemical Studies on Corrosion Inhibition Effect of Expired Pharmaceutical Drugs on Mild Steel in Hydrochloric Acid Media, Global Journal of Engineering Science and Reserches, 5(1), (2018), 50-59 (UGC recognized Journal)

24. P.Geethamani, M.Narmatha, R.Dhanalakshmi, S.Aejitha ,P.K.Kasthuri , cOrrosion inhibition and Adsorption properties of mild steel in 1M hydrochloric acid medium by expired Ambroxol, journal of Bio- and Tribo corrosion (2019) 5-16