

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



i) General Information

- a) Name : **Dr. R.KARTHIKAISELVI**
- b) Designation : ASSISTANT PROFESSOR
- c) Department : **CHEMISTRY**
- d) Date of Birth : 05.06.1974
- e) Area of Specialization: **Corrosion science and Polymer Science**

1. Academic Qualifications

Exam Passed	Board/ University	Subjects	Year	Division/Grade Merit etc.	%
High School - (SSLC)	Board of Secondary Education, TN	Tamil, English, Maths, Science, History & Geo	1989	First class	89
Higher Secondary or Pre-degree (PUC)	Board of Higher Secondary Education, TN	Tamil, English, Mathematics, Physics, Chemistry and Biology	1991	First class	70
Bachelor's Degree (s)	Bharathiar University	General Chemistry	1994	First class	72
Master's Degree (s)	Bharathiar University	General Chemistry	1996	First class	66
Research Degree (s) i) M.Phil	Bharathiar University	Chemistry	2003	First class	
ii) Ph.D	Avinashilingam University	Chemistry	2013		-
B.Ed	Avinashilingam University	Physical science and English	1998	First class	
The Account test for Executive officer	TPSC	Accounts test	March 2019	Passed	

ii) Research Experience & Training

Research Stage	Title of work/Thesis	University where the work was carried out
M.Phil	Studies on the Adsorption behavior of 3Aminomethylpyridine at DME	Government Arts College, Coimbatore. Bharathiar University
Ph.D	Enhanced corrosion resistance of mild steel in hydrochloric acid by novel polymer composites Poly (vinyl alcohol - aniline derivatives) and Poly (vinyl pyrrolidone - aniline derivatives)	Avinashilingam University, Coimbatore.
Post-Doctoral	-	-
Publications (give a list separately)	Annexure - A	-
Research Guidance:	-	-
Name of the Training Programme	Annexure - B	

2. Research Projects carried out

Title of the Project	Name of the funding Agency	Duration	Remarks
-	-	-	-

3. Seminars, Conferences, Symposia Workshops etc. attended

Name	Seminars, Conferences, Symposia Workshops etc. attended	Venue and Date
	Annexure - C	

iii) Teaching Experience

Courses Taught	Name of the university/ college/ institution	Duration
i) U.G. (B.A. /B.Sc., etc.	Coimbatore Institute of Engineering & Information Technology, Coimbatore	Feb 2002 to May 2004

Pass) (B.A. /B.Sc. etc. Hons.)	S.N.M.V. College of Arts & Science, Coimbatore.	2004-05
	Hindusthan College of Engineering & Technology, Coimbatore.	June 2005-December 2009
	Kumaraguru College of Technology, Coimbatore.	January 2010-May 2015
	LRG Government Arts College for women , Tiruppur.	Sep 2015 –2019
	Government Arts College, Coimbatore.	Nov 2019 till date
ii) P.G. (M.A./ M.Sc.,etc)	LRG Government Arts college for women , Tiruppur Government Arts College, Coimbatore	Sep 2015 –2019 Nov 2019 till date
iii) M.Phil (P.T)	--	
iv) Any other		

Total Teaching Experience : 20 years

a) Under-graduate (Pass) : 20 years

b) Under-graduate (Hons) : -

c) Post-graduate : 7 Yrs

d) Innovations /Contributions in Teaching

a) Design of Curriculum	-----
b) Teaching methods	Chalk & talk, Discussion and group activities, seminar, Using power point projector
c) Laboratory experiments	Demonstration for semi micro, volumetric, gravimetric Analysis, qualitative analysis and physical chemistry exp
d) Evaluation methods	Class test/ Internal Exam/ Seminar / Assignment / Model exam/University exam
e) Preparation of resource material including books, reading materials , Laboratory manuals etc.,	Prepared study material relevant to syllabus, Lecture notes and Lab manuals for practicals
f) Remedial Teaching / Student Counseling (academic)	Extra classes and tests are given for weak students. Student counseling are given for both academic and on personal aspects.
g) Any Other	Motivate the student to prepare for civil service and TNPSC group exams, Encourage the student to improve communication skills and emphasize the personality development, Also motivate to take part in extracurricular activities

viii) Extension Work/Community Service

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

i) Community work such as
values of National Integration, secularism, Has conducted awareness rallies on

democracy, socialism, humanism, peace, scientific temper, flood or drought relief, small family norms etc., : Deforestation, Plastics Usage. Election duty, Conducted science quiz, seminar.

ii) National Literacy Mission : -

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

4. Participation in Corporate Life: ----

Please give a short account of your contribution to :

a) College/University/Institution	Participated in all activities for conducting College functions, class mentor, organizing industrial visit for the students, Bus examinations, College admission work,
b) Co-curricular Activities	Extension activity coordinator. Outreach programme for Vilankurichi higher secondary school students conducted for giving awareness in usage of energy resources and green power. Hands on training in Qualitative and Quantitative analysis were given.
c) Enrichment of Campus Life	Encourage the students to take part in cultural Activities and other events
d) Students Welfare and Discipline	Students bus pass distribution coordinator, Department level pudhumaipenn scheme coordinator
e) Membership/Participation in Bodies/Committees on Education and National Development	Board of studies member in PSGR Krishnammal College for women and Doctoral Committee member
f) Professional Organization of Teachers	Nil

E.

(a) Membership of Professional Bodies, Societies etc. Nil.

(b) Editorship of Journals Nil.

F. Any other information

(Signature of the Teacher)

ANNEXURE - A

LIST OF PUBLICATIONS

1. The water soluble composite Poly (vinylpyrrolidone–methylaniline): A new class of corrosion inhibitors of mild steel in hydrochloric acid media.
R.Karthikaiselvi and S.Subhashini,**Arabian Journal of Chemistry**. (2017) 10, S 627- S 635.
2. Study of adsorption properties and inhibition of mild steel corrosion in hydrochloric acid media by water soluble composite Poly (vinyl alcohol-*o*-methoxy aniline).
R.Karthikaiselvi and S.Subhashini. **Journal of the Association of Arab Universities for Basic and Applied Sciences** (2014) 16, 74-82.
3. Myristica frangans: A Green Corrosion Inhibitor for Mild Steel in Boiler Scale Removal
R.Karthikaiselvi and S.Subhashini.**International Journal of Research in Chemistry and Environment**. July 2013 (62-69) ISSN 2248-9649.
4. Poly (vinyl alcohol – aniline) water soluble composite as corrosion inhibitor for mild steel in 1 M HCl **R. Karthikaiselvi** and S.Subhashini.**Arabian Journal of Chemistry** (2012) 5, 517–522.
5. Corrosion Inhibition of Mild Steel by Water Soluble Poly (Vinyl Pyrrolidone – Aniline) in 1MHCl **R.Karthikaiselvi** and S.Subhashini
International Journal of Chemistry and Applications. ISSN 0974-3111 Vol 2, (2010), pp. 69—78.

TRAINING (ANNEXURE - B)

Name of the training Programme	Place	Duration of Training Programme
1	2	3
Orientation Programme for Newly Recruited Govt Arts and Science College Teachers	UGC Academic Staff College, Bharathiar University, Coimbatore	10/05/2017 to 6/6/2017.
Refresher Course in Women studies and gender sensitization (IDC)	UGC Academic Staff College- Bharathiar University, Coimbatore	23/11/2018 to 13/12/2018
Refresher Course in Chemistry Batch XXVIII	HRDC, University of Madras , Chennai.	27/01/2021 to 09/02/2021.
Refresher Course in Chemistry Batch XXIX	HRDC , University of Madras , Chennai.	27/01/2022 to 09/02/2022.

Inservice Teacher Training Programme on Physical science at	Government Arts College , Coimbatore, Conducted by TANSCH (Tamilnadu state council for Higher education), Chennai 05	05/05/2022 to 06/05/2022
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Seminars, Conferences, Symposia, Workshops etc. attended

ANNEXURE - C

International / National Conference, Seminar Presentations

- 1. International conference (ICIC 2014) on Advancements in Specialty Textiles and their Applications in Material Engineering and Medical Sciences 29th and 30th April 2014**, organized by Textile Engineering Department, Kumaraguru college of Technology, Coimbatore. "Poly (Vinylpyrrolidone – Aniline) : Role of polymer composite in prevention of boiler corrosion"
- 2. International Symposium on Advances in electrochemical science and Technology, (ISAEST 9) held during 2-4 December 2010 at Chennai organized by CECRI , Karaikudi.** "Poly (vinyl alcohol –o anisidine): An innovative and new emerging corrosion inhibitor for mild steel in 1 M HCl"
3. Two days National seminar on **New perspectives in chemical sciences**, organized by post graduate and research , Department of chemistry, PSGR Krishnammal College for Women, Coimbatore on 16th and 17th September 2019.
4. One day National seminar on **Recent innovations in science and Technology (RIST 2018)** organized by department of chemistry, Avinashilingam Institute for home science and higher education for women, Coimbatore on 23rd February 2018.
5. National conference on **Sustainable civil Engineering practices SCEP 2015** on 14th May 2015 organized by Department of civil Engineering, PSG College of Technology, Coimbatore.
6. National conference on **Metallurgy of High Performance steels** , held during 4th and 5th April 2014 organized by Department of Metallurgical Engineering, PSG College of Technology, Coimbatore
7. National Conference on **Developing scenario in Applied sciences and Communicative English**, organized by department of science and humanities, Kumaraguru college of Technology ,Coimbatore on 2nd & 3rd March 2012.
8. **Sixteenth National convention of Electrochemists (NCE-16)** held during December 15-16, 2011 at PSGR Krishnammal college for Women, organized by society for advancement of electrochemical science and technology (SAEST), CECRI, Karaikudi.

SEMINAR / WORKSHOP ATTENDED

1. National seminar on **RADIO CHEMISTRY** held on 14th and 15th December, 2017, Department of chemistry, Karpagam university, Coimbatore in association with IGCAR Kalpakkam Tamilnadu.
2. 8th national workshop on **Interpretation of spectral data and Identification of Phytoconstituent**s held on 1st and 2nd September 2017, organized by department of chemistry, Karpagam university, Coimbatore.
3. National level seminar on **Nano structured materials (NSM 2017)** on 13th and 14th July 2017 by department of chemistry, Kongunadu Arts and Science college Coimbatore.
4. Two days workshop on **Recent development in chemistry** held on 24th - 25th March 2017, Department of chemistry, Avinashilingam Institute for home science and higher education for women, Coimbatore.
5. Workshop on **Research methodologies** held during 15th and 16th April 2011 organized by Kumaraguru College of Technology, Coimbatore.
6. Workshop on **PATH FINDER-EXPLORE, EXPERIMENT, ELUCIDATE RESEARCH A COLLOQUIUM – 2010** held on December 22nd and 23rd at chemistry department, Avinashilingam University for women, Coimbatore.
7. Two days national seminar on **Advancements in Corrosion control**, held during July 30 & 31st 2009 at Department of chemistry, Mepco Schlenk Engineering College, Sivakasi.
8. State level workshop on **Identification of Phyto chemicals using Spectroscopic techniques** held on 6th & 7th March 2009, at Department of chemistry, Karpagam university, Coimbatore
9. International seminar on **Research in chemistry visualizing newer concepts (RC-VNC-2007)** on 12th December 2007 at chemistry department, Avinashilingam University for women.
10. Workshop on **Environmental chemistry and pollution control – some recent aspects** on 18th March 2006 at Chemistry department, Coimbatore Institute of Technology, Coimbatore.