

Name : Dr. K. Krishnaveni
Designation : Associate Professor and Head
Department : Chemistry
Qualification : M. Sc., M. Phil., B. Ed., Ph. D.

Experience:

Teaching: 8 Years Industry: Nil Research: 9 Years

Area of Specialization(s) : Phytochemistry and Electrochemistry

Email (Official ID) : krishnaveni@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Chemistry	Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, Bharathair University	2016
B. Ed.	Physical Science	Government College of Education, Komarapalayam, Periyar University.	2003
M. Phil.	Chemistry	Kanchi Mamunivar Centre for Post Graduate Studies, Pondicherry, Pondicherry University.	2002
M. Sc.	Chemistry	Department of Chemistry, Bharathidasan University, Trichy.	2001
B. Sc.	Chemistry	Holy Cross College, Bharathidasan University, Trichy.	1999

Research Publications (Indexed)

International

- 1) K. Krishnaveni, J. Ravichandran, A. Selvaraj, **Effect of Morinda Tinctoria Leaves Extract on the Corrosion Inhibition of Mild Steel in Acid Medium**, ACTA METALLURGICA SINICA (English Letters), June 2013, Vol.26 No.3 pp. 321-327 (Springer).
- 2) K. Krishnaveni, J. Ravichandran, A. Selvaraj, **Inhibition of mild steel corrosion by Morinda tinctoria leaves extract in sulphuric acid medium**, Ionics, 20(1)(2014) 115-126 (Springer).
- 3) K. Krishnaveni, J. Ravichandran, **Corrosion inhibition effect of aqueous extract of leaves of Morinda tinctoria on aluminium metal surface in HCl medium**, Transactions of Non-ferrous Metal Society of China, 24(2014) 2704-2712 (Elsevier).
- 4) K. Krishnaveni, J. Ravichandran, **Influence of aqueous extract of leaves of Morinda tinctoria on Copper corrosion in HCl medium**, Journal of Electroanalytical Chemistry, 735 (2014) 24-31 (Elsevier).

- 5) K. Krishnaveni, J. Ravichandran, **Aqueous extract of leaves of Morinda tinctoria as corrosion inhibitor for aluminium in sulphuric acid medium**, Journal of Adhesion Science and Technology, 2015, <http://dx.doi.org/10.1080/01694243.2015.1030907> (Taylor & Francis)
- 6) K. Krishnaveni, J. Ravichandran, **Inhibitive action of aqueous extract of leaves of Morinda tinctoria on the corrosion of Copper in sulphuric acid medium**, Journal of Failure Analysis and Prevention, September-2015, <http://dx.doi.org/10.1007/s11668-015-0002-0> (Springer).
- 7) K. Krishnaveni, K. Sampath, J. Ravichandran, C. Jayabalakrishnan, **N-methyl-2-(2-nitrobenzylidene) hydrazine carbothioamide - A new corrosion inhibitor for mild steel in 1 M hydrochloric acid**, Chinese Journal of Chemical Engineering, September – 2015, <http://dx.doi.org/10.1016/j.cjche.2015.08.004> (Elsevier).

Other Publications: International / National Journals -

National

P. Dhamodharan, J. Ravichandran, K. Krishnaveni, **Leaves extract of Albizia Amara - An eco-friendly inhibitor for the corrosion of mild steel in acidic media**, UGC Sponsored National Conference on Advanced Materials for the Emerging Technologies, Proceedings of CAMET July 11-12, 2013, DOI: 10.13074/ient.2013.07.13312.

Presentations in Conference

- 1) P. Kavitha, K. Krishnaveni, J. Ravichandran, **Extracts of Crinum Asiaticum as green corrosion inhibitor for mild steel in acidic media**, UGC and TANSICHE Sponsored National conference on Recent Developments in Green Chemistry, Kongunadu Arts and Science College, Coimbatore, 18 & 19-Dec-13. (Oral)
- 2) J. Ravichandran, K. Krishnaveni, S. Jyothi, T. Tamilselvi, **A study of corrosion inhibition of carbon steel using Esomeprazole, Regional Science congress**, The Indian Science Congress Association, Coimbatore Chapter and Kongunadu Arts and Science College, Coimbatore, 15 & 16-Dec-12. (Oral)
- 3) J. Ravichandran, S. Jyothi, K. Krishnaveni, P. Selvi, **Corrosion inhibition studies on carbon steel in acidic media using Enalapril Maleate**, Regional Science congress, Indian Science Congress Association, Coimbatore Chapter and Kongunadu Arts and Science College, Coimbatore, 15 & 16-Dec-12. (Oral)
- 4) K. Krishnaveni, R. Neelamani, J. Ravichandran, **Proton Pump Inhibitor- Pantoprazole as Corrosion Inhibitor for Carbon Steel in Acidic Media**, Sixteenth National Convention of

Electrochemists, Society for Advancement of Electrochemical Science and Technology (SAEST), Karaikudi in association with CSIR - Central Electrochemical Research Institute, Karaikudi and P.S.G.R. Krishnammal College for Women, Coimbatore, 15 & 16-Dec-11. (Oral)

Presentations in Seminar

- 1) V. V. Shibumom, K. Krishnaveni, **Effect of fillers on the critical properties of Strap**, UGC Sponsored National Seminar on Recent Developments in Green Chemistry (NSGC-2009), 22 & 23-Jul-09. (Poster)
- 2) K. Krishnaveni, R. Gunasegaran, **The phytochemical investigation of Polyphenolics from Tagetes erecta**, National Level Seminar on Stereochemical Adventures in the Synthesis of Challenging Drug Molecules (Sponsored by Council of Scientific and Industrial Research (CSIR)), PSG College of Pharmacy, Coimbatore, 3 & 4-Jul-09. (Poster)

Participation in Conference

- 1) National Conference on Advanced Functional Materials and their Applications in Engineering (NCAFMAE 2017), Department of Science And Humanities, Dr. N.G.P. Institute of Technology, 25-Jan-17.
- 2) DBT Sponsored National Conference on Changing Disease Profile: Challenges Facing Basic and Translational Research in India, Department of Biochemistry, Dr. N.G.P. Arts and Science College, Coimbatore, 5 & 6-Oct-16.
- 3) National Conference on Emerging Education Models for 21st Century Learner, Association of Principals of Colleges, Bharathiar University jointly with UGC Human Resource Development Centre, Bharathiar university and Dr. N.G.P. Arts and Science College, Coimbatore, 1-Aug-15.
- 4) UGC Sponsored National Conference on Advanced Materials for the Emerging Technologies, Post Graduate and Research Department of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, 11 & 12-Jul-13.

Participation in Seminars

- 1) **Examination Reforms, Motivation, Ethics and Evaluation processes in Research Degrees**, Examination Cell and Research and Faculty Enrichment Council, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, 14- Mar-15.

- 2) **Frontiers in Nanoscience**, Department of Chemistry, Kongunadu Arts and Science College, Coimbatore, 8-Jan-08.

Participation in Workshop

- 1) Science Academies Lecture Workshop on **Recent Developments in Chemistry**, Department of Chemistry, K.S.R. College of Arts and Science for Women, Tiruchengode, 6 & 7-Jan-17.
- 2) Hands on Training on **Spectral and Chromatography Techniques**, Karpagam University, Coimbatore, 21-Sep-16.
- 3) **Corrosion and its control**, National Corrosion Council of India, Karaikudi in collaboration with CSIR - Central Electrochemical Research Institute, Karaikudi and P.S.G.R. Krishnammal College for Women, Coimbatore, 30-Jun-16 to 1-Jul-16.
- 4) **Spectroscopy and its Applications**, Post Graduate and Research Department of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, 18-Feb-13.
- 5) **Spectroscopy** (Sponsored by DST-PURSE programme), Department of Chemistry, Bharathiar University, Coimbatore, 7-Mar-12.
- 6) **Sustainability through green chemistry and catalysis**, Post Graduate and Research Department of Chemistry, P.S.G.R. Krishnammal College for Women, Coimbatore in association with The Royal Society of Chemistry, South India, 2-Mar-12.
- 7) **Interpretation of Special data and identification of Phytoconstituents**, Department of Chemistry, Karpagam University, Coimbatore, 17 & 18-Feb-12.
- 8) **Innovations and Applications of Chemistry**, Post Graduate and Research Department of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, 21-Sep-11.
- 9) **Current Trends in Chemistry**, Department of Chemistry, Karunya University, Coimbatore, 11-Mar-11.
- 10) **1D and 2D NMR Spectroscopy and their Applications**, Post Graduate and Research Department of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, 13-Sep-10.

11) **Interpretation of Special data and identification of Phytoconstituents**, Department of Chemistry, Karpagam University, Coimbatore, 4 &5-Feb-10.

12) Hands on training on **Instrumentation methods and chemical analysis: Extraction, separation, suitability of solvent ratio, TLC elucidation and UV characterization of plant metabolites**, Institute of Forest Genetics and Tree Breeding (Indian Council of Forestry Research and Education), Coimbatore, 27 & 28-Jul-09.

Conference / Seminar / Workshop Organized

Organizing secretary, One day Workshop on Analysis of Spectral Data, Department of Chemistry & Center for Research, Dr. N.G.P. Arts and Science College, Coimbatore, 30-Jan-17.

Member in BoS

Board of Chemistry (PG and Research), Kongunadu Arts and Science College, Coimbatore, 2008-2011.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Indian Science Congress Association	Member	2008-2011

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
Beat Article Award	Acta Metallurgica Sinica (English Letters)	2016