

FACULTY PROFILE

Dr. RAMYAKUMARI C T

Assistant Professor

Department of Chemistry

Qualification : M.Sc, Ph.D.,

Areas of Specialization : Physical Chemistry

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Educational Qualifications

Sl. No. Degree Specialization/

Subjects University Year of Award/

Passing

1 **PhD** Physical Chemistry Kuvempu University 2018

2 **PG** Chemistry Kuvempu University 2010

3 **UG** Physics, Chemistry,

Mathematics

Govt. Science College,

Chitradurga. 2008

Areas of Research Interest:

1 Physical Chemistry

2 Electrochemistry

3 Biosensors

Academic/Administrative Responsibilities:

1 **Convener, Ranger unit**, D R M Science College, Davanagere – 577 004.

Research Papers Published In Reputed Journals

1. **Ramya kumari C T**, G.P. Mamatha and H.M. Santhosh, "Cyclic Voltammetric Studies of Trimethoprim at Sodium Dodecyl Sulphate Modified Carbon Paste Electrode",

International Journal of Pharmaceutical Chemistry, 06 (05) (2016) .

2. **Ramya kumari C T** and Ganjeenahalli Puttagiddappa Mamatha, "Electrochemical studies of Dicyclomine Hydrochloride at Cetyl trimethyl ammonium bromide Modified Carbon Paste Electrode", **Chemical Science Review Letters**, 5(19) (2016) 265-271.

3. **Ramya kumari C T**, G.P. Mamatha and H.M. Santhosh, "Voltammetric detection of Trimethoprim at CTAB modified carbon paste electrode", **Chemical Science**

Transactions, 5(3) (2016) 619-626.

4. **Ramya kumari C T** and Mamatha G P, "Electrocatalytic oxidation of tyrosine at cetyltrimethylammonium bromide modified carbon paste electrode" *Journal de Afrikana*, 3(5) ;2016, 336-349.

5. **Ramya kumari C T** and G.P. Mamatha "SDS/poly(alanine) modified carbon paste electrode based voltammetric sensor for the detection of Norfloxacin", **International Journal of Pharmaceutical Chemistry**, 05 (07) (2015) 247-254.

6. **Ramya kumari C T** and G.P. Mamatha, "Electrochemical Studies of Terbutaline Sulfate at Sodium Alpha Olefin Sulphonate Modified Carbon Paste Electrode", *International Journal of Innovative Research and development*, 2016, 5(11), 97-103.

7. **Ramya kumari C T** and Mamatha G P., "Electrochemical Investigation of Trimethoprim At Sodium Dodecyl Sulphate Modified Carbon Paste Electrode", ISBN-978-93-5254-057-0 , 2016, 80.

8. **Ramya kumari C T** ., Electro catalytic oxidation of Epinephrine at SAOS modified carbon paste electrode Journal of the Electrochemical Society of India vol;(71) no. 1&2 jan /april 2022 ISSN:0013-466X

9. **Ramya kumari C T** ., Fabrication of Thiazole based heterocyclic Azo dye modified Carbon paste electrode for detection of Dopamine: A voltammetric study vol.16, No.12,,2024,ISSN:1060-1071

Research Papers presented in International/National Conference:

1.Presented paper on “Electrochemical Investigation of Trimethoprim at Sodium DodecylSulphate Modified Carbon Paste Electrode”, **Ramya kumari C T** and Mamatha G P, in UGC Sponsored National conference on “Emerging Trends in Analytical Techniques”, held at Government Science College (Autonomous), Hassan on 28th and 29th March, 2016.

2.Presented paper on “Electrochemical studies of Atorvastatin at Sodium Dodecyl Sulphate Modified Carbon Paste Electrode”, **Ramya kumari C T** and Mamatha G P, in “International Conference on Nanotechnology - 2016 (ICNANO-2016)”, held at VTU, Center for Postgraduate Studies, Muddenahalli, Bangalore on 21st–23rd April 2016.

3.Presented paper on “*Electrocatalytic Oxidation of Tyrosine at Cetyltrimethylammoniumbromide Modified Carbon Paste Electrode*” **Ramya kumari C T** and Mamatha G P, in UGC Sponsored National conference on “Chemical and Bio-Chemical Aspects in Pharmaceutical Applications” held at Department of Pharmaceutical Chemistry, P.G.Centre, Kadur, on 23rd of April 2016.

4.Presented paper on “Electrochemical studies of Dicyclomine Hydrochloride at Cetyltrimethyl ammonium bromide Modified Carbon Paste Electrode” by **Ramya kumari C T** and Mamatha G P, in the 2nd National Conference on “Fundamental and Applied Chemistry” held on 4th June 2016 at Hotel Silver Palace, Salem, Tamil Nadu, India.

5.Presented paper on “Electrochemical investigation of sulphamethoxazole at cationic surfactant cetyltrimethyl ammonium bromide modified carbon paste electrode” **Ramya kumari C T** and Mamatha G P in ‘International conference on science and technology :Future challenges and solutions’, held on 8th & 9th August 2016 at University of Mysore, Mysore, Karnataka.

6.Presented paper on “Electrochemical studies of Terbutalinesulfate at Sodium Alpha Olefin Sulphonate Modified Carbon Paste Electrode”, **Ramya kumari C T** and Mamatha G P in National Conference on “Recent Advances in Industrial Engineering and Applied Chemistry”(NCRAIEAC-2016), held on 21st & 22nd October 2016 at SSIT, Tumkur, Karnataka.

7.Presented paper on “*Electrochemical Investigation of Tyrosine at sodium dodecyl sulfate Modified Carbon Paste Electrode*”, **Ramya kumari C T** and Mamatha G P in International Conference on “Importance of Herbal Medicine in the Era of Globalization- A live demonstration” held on 21st & 23rd December 2016 at Sahyadri Science College (Auto), Shimoga, Kuvempu University, Karnataka, India.

8. Presented paper on *“Electrochemical Studies of Sulfamethoxazole at surfactant Modified Carbon Paste Electrode By using Cyclic Voltammetry”*, **Ramya kumari C T** and Mamatha G P in National Conference on “Chemistry for Sustainable Future” (NCCSF-2017) held on 27th & 28th January 2017 at Sri Dharmasthala Manjunatheshwara College (Autonomous), Ujire, Dakshina Kannada, Karnataka.

9. Presented paper on *“Electrochemical Determination of Tryptophan at Sodium Dodecyl Sulphate Modified Carbon Paste Electrode by Using Cyclic Voltammetry”*, **Ramya kumari C T** and Mamatha G P in International Conference on “Green Chemistry & Nanotechnology Opportunities and Challenges - 2017” (GCNOC-2017) held on 27th & 28th February 2017 at St Aloysius College (Autonomous), Mangalore - 575003, Karnataka.

10. Presented paper on *“Cyclic Voltammetry determination of Trimethoprim at Sodium alpha olefin sulfonate modified carbon paste electrode”*, **Ramya kumari C T** and Mamatha G P in National Conference on “Impact of Science and Technology on society and Economy” held on 8th - 10th March 2017 at Vijayanagara Sri Krishnadevaraya University, Ballari - 583105, Karnataka.

11. Presented paper on “Electrochemical Studies of Terbutaline Sulphate at Sodium Dodecyl Sulphate Modified Carbon Paste Electrode”, **Ramya kumari C T** and Mamatha G P in National conference on “Recent Advancements in Nano – Science and Technology” held on 21st & 22nd April 2017 at Government Science College, Chitradurga-577501, Karnataka.

12. Presented paper on “Electro catalytic oxidation of Epinephrine at SAOS modified carbon paste electrode”, **Ramya kumari C T** and Mamatha G P in International Conference on “Applied Sciences, Engineering and Technology”, held on 10th - 12th July 2017 at Manipal Institute of Technology, Manipal University, Manipal, India.

13. Presented paper on “Cyclic Voltammetry determination of Tryptophan at Sodium Alpha Olefin Sulphonate Modified Carbon Paste Electrode by Using Cyclic Voltammetry” **Ramya kumari C T** and Mamatha G P in 5th National Conference on “Emerging Trends in Engineering, Research and Management” (NCETERM-2017) held on 8th & 9th September 2017 at GM Institute of technology, Davangere, Karnataka, India.

14. Presented paper on “Electro catalytic oxidation of Epinephrine at SAOS modified carbon paste electrode” **Ramya kumari C T** and Mamatha G.P in National level Conference on “Recent Advances in Material Science”, held on 5th February 2019 at Field Marshal K M Cariappa College, Madikeri-571201, Karnataka, India.

15. Presented paper on “Electrochemical Studies of Tyrosine at poly(arginine) Modified Carbon Paste Electrode” Kusuma P H and Ramya kumari C.T in “International Conference On Recent Advancements in Chemistry” held on 23rd November 2022 at Field Marshal K M Cariappa College, Madikeri-571201, Karnataka, India.

15. Presented paper on “Electrochemical Studies of Tryptophan at poly(arginine) Modified Carbon Paste Electrode” Ramya kumari C.T. held on 23,24 jan 2025 at

International Conference on Advances in Chemical and Physical Sciences(ICACPS)-2025

Workshops Attended:

1.Participated in National Workshop on “**Radiochemistry & Application of radioisotopes**”, held on 20th – 26th September 2016 at Rani Channamma University, Belagavi, Karnataka.

Professional Membership

1. **Life member of** “The Indian Science Congress Association”, Kolkata-700 017,India.
2. **Life member of** “Society for Materials Chemistry”, Bhabha Atomic Research Centre, Mumbai 400 085, India.
3. **Life member of** “Society of Biological Chemists, Indian Institute of Science”, Bangalore-560 012, India.

Personal Details

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Address for Communication

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