

FACULTY PROFILE

Dr. KEERTHI KUMAR C T

Assistant Professor

Department of Chemistry

Qualification

: M.Sc, KSET, Ph.D, Post Doc

Areas of Specialization

: Inorganic/Analytical Chemistry

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Vision

My ideal career path is to work in a research university where both teaching and research are two inseparable components of higher education. I enjoy creating knowledge via continuous investigations in my research areas, but I also value passing knowledge onto others because it teaches, inspires, and leads to personal and societal growth.

Educational Qualifications

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1	PhD	<i>Inorganic Chemistry</i>	Kuvempu University, Prof. J. Keshavayya (Guide)	2014
2	SLET	Chemical Science	Mysore University	2016
3	PG	Chemistry	Kuvempu University	2008
4	UG	Chemistry, Botany, Zoology	Kuvempu University	2006

Professional Details (Academic/Research Experience)

Sl. No.	Designation	Institution/University	UG/PG	From	To
1	Post Doctoral Researcher	Kuvempu University		16-02-2015	17-08-2019

Areas of Research Interest:

1	Azo dyes
2	Coordination Chemistry
3	Electrochemistry

Research Papers Published In Reputed Journals

1.	Synthesis, characterization, and biological activity of 5-phenyl-1,3,4-thiadiazole-2-amine incorporated azo dye derivatives.- Keerthikumar C.T , J.Keshavayya, Rajesh.T, S.K.Peethambar and Shoukat Ali R.A: Organic Chemistry International, Article ID 370626, 2013, http://dx.doi.org/10.1155/2013/370626 .
2.	Synthesis, characterization and antimicrobial activity of heterocyclic azodyes derived from thiadiazole.- Keerthikumar C.T , J.Keshavayya, Rajesh.T, S.K.Peethambar and Shoukat Ali R.A: Chemical Science Transactions, DOI:10.7598/cst2013.615, (ISSN/E-ISSN: 2278-3458/2278-3318), 2013.
3.	Synthesis, characterization and biological activity of heterocyclic azo dyes derived from 2-aminobenzothiazole. - Keerthikumar C.T , J.Keshavayya, Rajesh.T and S.K.Peethambar: International Journal of Pharmacy and Pharmaceutical Sciences, (ISSN-0975-1491), Vol 5, Suppl 1, 2013.
4.	Synthesis, Characterization, Biological Activity and Electrochemical studies of Heterocyclic Azo Dye, Chinnagiri Thipperudrappa Keerthi Kumar , Jathi Keshavayya and Sanehalli Krishanappa Peethambar, Chemical Science Review and Letters, 2016, 5(18), 59-65
5.	Synthesis, Characterization and Biological Studies of Azobenzothiazole Dyes, C. T. Keerthi Kumar , J. Keshavayya, Ravi B. N and Sameer R. Patil, <i>International Journal of Innovative Research & Development</i> , 2016, 5(11), 13-18.
6.	Synthesis, Spectral Characterization and Biological Study of Heterocyclic Azo Dyes C.T. Keerthi Kumar , J. Keshavayya and Rajesh, <i>International Journal of Engineering Technology Science and Research</i> , 2017, 4(11), 996-1003.
7.	Synthesis, Characterization and Biological activity of 2,6-Diaminopyridine Incorporated Azo Dye Derivatives, Keerthikumar. C.T , J. Keshavayya and S.K. Peethambar, 2016, ISBN Number: 978-93-5254-057-0.
8.	Synthesis and characterization of 2, 9, 16, 23 - oxadiazole substituted copper (II) phthalocyanines. - Shoukat Ali R.A, J.Keshavayya, Rajesha.T, Keerthi Kumar C.T , and Prashantha. A. G; International Journal of Macromolecular Science (ISSN-2249-8559), 2013, Universal Research Publications.

9.	Synthesis and characterization of novel derivatives of oxadiazole substituted metal (II) phthalocyanines. - Shoukat Ali. R. A., J. Keshavayya, Prasanna. S., Rajesha and Keerthi Kumar. C. T ; Archives of Applied Science Research (ISSN 0975-508X), 2013, 5 (2):189-196, Scholars research Library.
10.	Studies on Substituted Cobalt (II) Phthalocyanines, Shoukat Ali R A, J Keshavayya and Keerthi Kumar C T , Chemical Science Review and Letters, 2016, 5(18), 44-51.
11.	Synthesis, Spectral and Thermal degradation Kinetics studies of Benzimidazole substituted Metal phthalocyanine through oxadiazole Bridge (M=Co,Ni,Cu), Tantry Rajesh N., Jathi Keshavayya, Harish M.N.K., Angadi Shoukat Ali R, and Chinnagiri Keerthi Kumar T. , <i>Research Journal of Chemical Sciences</i> , 2013,3(11), 36-46.
12.	Synthesis and Characterization of Tetraformamido [2-amino-5-(phenyl) thiazole] substituted metal Phthalocyanines, Tantry Rajesh N., Jathi Keshavayya, Prasanna S.M., Angadi Shoukat Ali R. and Chinnagiri Keerthi Kumar T. , <i>Research Journal of Chemical Sciences</i> , 2014, 4(1), 1-6.
13.	Effect of Peripheral Substitution on the Thermal and Optical Properties of Metal Phthalocyanine- A Comparative Study, Rajesh T.N, J. Keshavayya and Keerthi Kumar C.T , <i>International Journal of Engineering Technology Science and Research</i> , 2017, 4(11), 748-754.

Research Papers presented in International/National Conference:

1.	Presented paper on "Electrical, optical and thermal studies of heterocyclic azo dye metal complexes", Keerthi kumar C.T , J .Keshavayya, Rajesha, S.K. Peethambar and Shoukat Ali R.A, in International Conference on Recent advances in Material Science and Technology (ICRAMST-13) held on 17 th to 19 th January 2013 at NITK, Surathkal.
2.	Presented paper on "Synthesis, characterization and antimicrobial activity of heterocyclic azodye derived from 5-phenyl 1,3,4-thiadiazole-2-amine", Keerthi kumar C.T , J .Keshavayya, Rajesha, S.K. Peethambar and Shoukat Ali R.A, in National Conference 'Recent Advances in Chemical Biology- An overview (RACB-2013) held from 15 th & 16 th March 2013 at Government Science College, Hassan.

3.	Presented paper on "Synthesis, Characterization and Biological Activity of 2-Amino-5-ethyl-1,3,4-thiadiazole Incorporated Azo Dye Derivatives" C.T. Keerthi kumar , J. Keshavayya, B.N. Ravi and Sameer R patil, in National Conference on "Advanced Instrumental Methods of Chemical Analysis" held on 14th February 2015 at AVK College, Davanagere, Karnataka.
4.	Presented paper on "Biological and thermal studies of quinoline azodye and its metal complexes", Keerthi kumar C.T , J .Keshavayya, Rajeshaand S.K. Peethambar in National Conference Recent Advances in Chemical Science Research, held on 14 th & 15 th March 2015 at Kuvempu University, Shimoga, Karnataka.
5.	Presented paper on 'Biological and thermal studies of thiadiazole based azodye and its metal complexes', Keerthi kumar C.T , J .Keshavayya, Rajesh and S.K. Peethambar in National Conference on 'Recent Trends in Novel Carbon Materials' held on 22 nd September 2015 at Field Marshal K.M. Cariappa College, Madikeri, Karnataka.
6.	Presented paper on "Electrical, optical and thermal studies of quinoline based azodye metal complexes" Keerthi kumar C.T , J.Keshavayya, Rajeshaand S.K. Peethambar in 8 th KSTA Annual Conference on 'Science and Technology for GenNext URBAN SPACE' held on 4 th and 5 th November 2015 at Bangalore, Karnataka.
7.	Presented paper on "Synthesis, Characterization and Biological Activity of 2,6-Diaminopyridine Incorporated Azo Dye", Keerthi kumar C.T , J.Keshavayya, Rajesh and S.K. Peethambar in National conference on "Emerging Trends in Analytical Techniques", held on 28 th and 29 th March 2016 at Government Science College (Autonomous), Hassan, Karnataka.
8.	Presented paper on "Synthesis, Characterization and Biological Activity of 4-Aminoantipyrine Incorporated Azo Dye Derivatives", Keerthi kumar C.T , J .Keshavayya, Rajesh and S.K. Peethambar in "International Conference on Nanotechnology - 2016 (ICNANO-2016)", held on 21 st -23 rd April 2016 at Visvesvaraya Technological University, Muddenahalli, Bangalore, Karnataka.
9.	Presented paper on "Synthesis, Characterization and Biological Activity of 2-Aminobenzothiazole based Azo Dye Derivatives" Keerthi kumar C.T , J. Keshavayya and

	Sameer R patil,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 24 th of April 2016.
10.	Presented paper on “Synthesis, Characterization, Biological Activity and Electrochemical studies of Heterocyclic Azo Dye”, Keerthi kumar C.T , J .Keshavayya, Rajeshaand S.K. Peethambar in National Conference on “Fundamental and Applied Chemistry” held on 4th June 2016 at Hotel Silver Palace, Salem, Tamil Nadu, India.
11.	Presented paper on “Synthesis, characterization and electrochemical studies of naphthol based azo dye” Keerthi kumar C.T , J .Keshavayya, Ravi B N and S.K. Peethambar in ‘International conference on science and technology: Future challenges and solutions’ held on 8 th –9 th August 2016 at University of Mysore, Mysore, Karnataka.
12.	Presented paper on “Synthesis, characterization and biological studies of thiazole incorporated azo dyes”, Keerthi kumar C.T , J .Keshavayya, Ravi B N and S.K. Peethambar in National Conference on “Recent Advances in Industrial Engineering and Applied Chemistry” (NCRAIEAC-2016), held on 21 st & 22 nd October 2016 at SSIT, Tumkur, Karnataka.
13.	Presented paper on “Synthesis, characterization and biological studies of sulphur based azo dyes”, Keerthi kumar C.T , J. Keshavayya, B.N. Ravi and Sameer R patil, in International Conference on “Importance of Herbal Medicine in the Era of Globalization- A live demonstration” held on 21 st & 23 rd December 2016 at Sahyadri Science College (Auto), Shimoga, Kuvempu University, Karnataka, India.
14.	Presented paper on “Synthesis, characterization and biological studies of thiazole based azo dyes”, Keerthi kumar C.T , J. Keshavayya and Sameer R patil, in National Conference on “Chemistry for Sustainable Future” (NCCSF-2017) held on 27 th & 28 th January 2017 at Sri DharmasthalaManjunatheshwara College (Autonomous), Ujire, Dakshina Kannada, Karnataka.
15.	Presented paper on “Organic acids mediated Green approach for the synthesis of Heterocyclic Azo dyes”, Keerthi kumar C.T , J. Keshavayya and B.N. Ravi , in International Conference on “Green Chemistry & Nanotechnology Opportunities and Challenges - 2017” (GCNOC-2017) held on 27 th & 28 th February 2017 at St Aloysius

	College (Autonomous), Mangalore - 575003, Karnataka.
16.	Presented paper on "Synthesis, Characterization and Biological Studies of 2-Amino-5-nitrothiazole based Azo dyes", Keerthi kumar C.T , J. Keshavayya, B.N. Ravi and Sameer R patil, in National Conference on "Impact of Science and Techology on society and Economy" held on 8 th -10 th March 2017 at Vijayanagara Sri Krishnadearayya University, Ballari - 583105, Karnataka.
17.	Presented paper on "Synthesis, characterization and biological studies of nitrogen containing heterocyclic azo dyes", Keerthi kumar C.T , J.Keshavayya and Sameer R patil in National conference on "Recent Advancements in Nano – Science and Technology" held on 21 st and 22 nd April 2017 at Government Science College, Chitradurga-577501, Karnataka.
18.	Presented paper on "Synthesis, Characterization and Biological Activity of pyridine Incorporated Heterocyclic Azo Dye", Keerthi kumar C.T , J.Keshavayya and Sameer R patil in International Conference on "Applied Sciences, Engineering and Technology", held on 10 th - 12 th July 2017 at Manipal Institute of Technology, Manipal University, Manipal, India.
19.	Presented paper on "Synthesis, Characterization and Biological activity of Dihydropyridine Incorporated Azo Dye" Keerthi kumar C.T , J. Keshavayya and Sameer R patil in National conference on "5 th National Conference on Emerging Trends in Engineering, Research and Management (NCETERM-2017)" held on 8 th - 9 th September 2017 at GM Institute of technology, Davangere, Karnataka, India.
20.	Presented paper on "Synthesis, characterization and biological activity of heterocyclic azo dyes" Keerthi kumar C.T , J. Keshavayya and Rajesh in International Conference on "Advancement in Engineering, Applied Science and Management (ICAEASM-2017)", held on 26 th November 2017 at Institution of Electronics and Telecommunication Engineers, Bengaluru, Karnataka, India.
21.	Presented paper on "Synthesis, Spectral characterization and Biological Activity of thiadiazole based Azo Dye" Keerthi kumar C.T , J. Keshavayya and Rajesh and Sameer R patil in 10 th Annual Conference on "Science and Technology for future of Humanity", held on 18 th - 19 th January 2018 at REVA University, Bengaluru, Karnataka, India.

22.	Presented paper on “Synthesis, Spectral characterization and Biological Activity of thiadiazole based Azo Dye” Keerthi kumar C.T , J. Keshavayya and Sameer R patil in Indian Council of Chemists, 37 th Annual National Conference held on 12 th - 14 th December 2018 at NITK, Surathkal, Mangalore-575025, Karnataka, India.
23.	Presented paper on “Synthesis, Spectral characterization and Electrochemical studies of Thiadiazole based Azo Dye” Keerthi kumar C.T , and J. Keshavayya in KSTA Annual National Conference on “New Vistas in Science and Technology for Common Good”, held on 1 st and 2 nd February 2019 at NMKRV College for Women, Bengaluru, Karnataka, India.
24.	Presented paper on “Synthesis, Spectral characterization and Electrochemical studies of Thiazole based Azo Dye” Keerthi kumar C.T , J. Keshavayya and H.M Santhosh in National level Conference on “Recent Advances in Material Science”, held on 5 th February 2019 at Field Marshal K M Cariappa College, Madikeri-571201, Karnataka, India.
25.	Presented paper on “Synthesis, Spectral characterization and Electrochemical studies of Sulfamerazine based Azo Dye” Keerthi kumar C.T , J. Keshavayya and H.M Santhosh in International Conference on “Advanced Functional Materials for Energy, Environment and Health Care (AFMEEHC)”, held on 18 th - 20 th March 2019 at Mysore University, manasagangothri, Mysuru-570006, Karnataka, India.

Workshops Attended:

1.	Participated in National Workshop on “ Radiochemistry & Application of radioisotopes ”, held on 20 th – 26 th September 2016 at Rani Channamma University, Belagavi, Karnataka.
2.	Participated in National Workshop on “ Current Scenario in Biofuel Conversion and Waste Management Technologies ” held on 24 th to 28 th January, 2018 at J.N.N. College of Engineering, SHIVAMOGGA, Karnataka.

Personal Details		
Gender	Male	
Date of Birth	05/11/1984	
Contact details	Address for Communication	Permanent address
	Dr. Keerthi Kumar C T, Assistant Professor, Department of Chemistry, Davanagere University, Davanagere-5775007.	Dr. Keerthi Kumar C T, Assistant Professor, "Chinnagiri Nilaya", Behind Old Jain Temple, Doddapet, Chitradurga-577501.
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