

CARICULLUM VITAE

Name : **Dr. T.V. Venkatesha**

Date of birth : 14/10/1960

Current Position and Address : Professor & Chairman
Department of Chemistry,
Kuvempu University
Shankaraghatta-577 451, Shimoga, Karnataka, India
Former Registrar Evaluation (Davangere University)
Former Dean, Faculty of Science
Former Director School of Chemical Sciences



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1. Educational Qualification:

Sl.No.	Degree	Year	University/Institute	Grade	Subject
1	Ph. D	1988	Bangalore University	By thesis	Chemistry (Electrochemistry)
2.	M. Sc.,	1983	Bangalore University	I class	Chemistry (physical chemistry)
3	B. Sc.,	1981	APS college, N R Colony Bangalore. Bangalore University	I class	P C M

Title of the Ph.D. thesis : Development of Brighteners For Non Cyanide
Industrial Zinc- Cadmium Electroplating Baths

Academic Distinctions : a) Distinction in B. Sc.,
b) First place in M. Sc.,
c) **Gold medal** for securing highest marks in M.Sc.

Research Area : Electrochemistry, Metal Finishing, Corrosion, Surface modifications, Nano composite coatings, Kinetics, Galvanic coating, Electrochemical treatment of effluents, Electrochemical generation of Nano particles, etc.

2. Academic / Employment:

Teaching experience: **30 years**

Research experience: **34 years**

Industrial experience: **04 years**

3. Professional Affiliation

Sl.No.	From	To	Name of organization	Position held
1	20-07-2017	Till date	Kuvempu University	Professor and Chairman
2	06-02-2017	20-07-2017	Kuvempu University	Professor
3	Oct - 2014	Feb - 2017	Davanagere University	Registrar (Evaluation)
4	Jan - 2006	Oct - 2014	Kuvempu University	Professor
5	May - 1998	Jan - 2006	Kuvempu University	Reader
6	Jan - 1994	May - 1998	NITK, Surathkal, Govt. of India	Sr. Lecturer
7	Jan - 1989	Dec - 1993	NITK, Surathkal, Govt. of India	Lecturer
8	May - 1987	Dec - 1988	Bangalore Institute of Technology, Bangalore	Lecturer
9	June - 1983	Apr - 1987	Bangalore University & Indian Telephone Industries Limited, Bangalore	Project Assistant in a DST, New Delhi research project

Life Membership in professional bodies	: Indian Society for Technical Education, New Delhi Crystal Growth Association of India. Chennai. Electrochemical society of India. Bangalore. Indian Council of chemists, Lucknow
Member	: Faculty of Science and Technology, Kuvempu University BOE, BOA, BOEA & BOS in chemistry, Indian Science Congress, SAEST, CECRI. Karaikudi.

4. Administrative/ Organization and other experience

- Professor and Chairman, Dept. of Chemistry, Kuvempu University.
- **Registrar (Evaluation)**, Davanagere University, Oct 2014 - Feb 2017.
- Worked as incharge **Vice-Chancellor** of Kuvempu University on 09/07/2013.
- Dean, Faculty of Science and Technology, Kuvempu University, Since Nov 2011 - 2013.
- Syndicate member Kuvempu University.-2013
- Academic council member, Kuvempu University, since Nov 2009-2013.
- Academic council member, Sahyadhri Science College (autonomous), Kuvempu University, Shimoga, during 2012-13.
- Director, School of Chemical Science, Kuvempu University, 2010 -12
- Chairman, Department of Chemistry and Organic Chemistry, Kuvempu University Sept 2009- Nov 2011.
- Chairman, BOS, PG Chemistry Kuvempu University, Shankaraghatta, Sept 2009 -2013.
- CAC member Kuvempu University, Jan 2010.
- Co-Ordinator (Rs. 44 lakhs) FIST-DST, New Delhi 2010-2015.
- Deputy Co-Ordinator (Rs. 45 lakhs) DRS-SAP UGC New Delhi 2009-2014.
- Co-Ordinator (Rs 20 lakhs) UGC- non SAP, New Delhi 2009-2010.
- Merit scholarships guideline committee member 2009-2010.
- M.Sc., M.Phil. and Ph.D. admissions member and Chairman.
- President, Chemical Society, Dept. of Chemistry Kuvempu University Sept 2009-2011.
- Co-Ordinator Distance Education, Kuvempu University, 2006, 2011 and 2013.
- Convener/ organizing secretary for FIVE national seminars from 1998 to till date.
- Secretary, Chemical Society, Dept. of Chemistry Kuvempu University 2003&2006.
- Vice president Kuvempu University Teachers Association 2003.
- Member of BOE in Chemistry, Karnataka State Universities.
- Member of BOA in Chemistry, Kuvempu and other State Universities.
- Working as Referee for International Journals.
- Chairman and Member of Colleges affiliation committee.

Collaboration:

- ❖ Two papers published with Chonbuk National University, Jeonju, South Korea.
- ❖ Dept. of SSCU, Indian Institute of Science (IISc), Bangalore.
- ❖ Dept. of Chemistry National Institute of Technology, Surathkal.
- ❖ Central electrochemical research institute, Karaikudi, Tamil Nadu.
- ❖ Department of Chemistry, Mangalore University, Mangalore.
- ❖ Dept. Of Chemisty, Shri Venkateshwara College, Dhula Kuan, New Delhi.
- ❖ Dept. Of Chemistry, Srinivas School of Engineering, Mukka, Mangalore.
- ❖ Dept of Chemistry, SSMRV College, Bangalore
- ❖ Dept. of Biochemistry, Dayanand Sagar College, Bangalore

5. Honors / Awards:

Year	Award / Prize
2012	Third prize for poster presentation in 5 th annual conference on “Science & technology for societal transformation” jointly organized by KSTA & Dayanand Sagar Institutions. 19 th -20 th 2012. Bangalore
2011	Best paper award (1 st) at National Seminar held at Sri Bhagavan Mahavir Jain College ,Bangalore on 28 th and 29 th Dec-2011. Jain University Bangalore and Tumkur University, Tumkur.
2010	Best paper award (consolation) at NCRAET Gandhigram Rural Institute-Deemed University, Gandhigram, Dindigul, Tamil Nadu. Feb 2010.
2009	Best poster Paper award (2 nd) at ICRAIEST-2009, Mangalore University. November 2009.
2009	Best paper award (1 st) at Conference on Nanotechnology, Dept of Chemistry, M. Basavaiah Residential College, Chemical Society, Kuvempu University, Sirigere, Chitradurga. Sept.2009
2008	Best poster paper award (1 st) at NCCI by CECRI and IICT Hyderabad Sept 2008
1992	Young Scientist research project award by DST, New Delhi
1987	One Research paper was translated to French language due to its technological applications.
1983	First rank in M. Sc. (Gold medal)

6. Research projects:

Sl. No.	Title	Supporting agency	Year	Amount (In Rs.)	Position
1.	Studies on non cyanide Zinc electroplating bath for plating on carbon steel	UGC	1989- 91	18,500/-	Principal Investigator (PI)
2.	Development of Industrial zinc electroplating from chloride type bath	DST	1992-94	1,20,000/-	PI
3.	Optimization of electrodeposition solution by theoretical studies	Kuvempu University	2000-01	18,000/-	PI
4.	Development of new pollution free addition agents for industrial zinc plating by electrochemical method.	UGC, New Delhi	2007-09	3,94,000/-	PI
5	Solar Energy Based Electrochemical Recovery of Heavy Metals from Industrial Effluents – An Eco-friendly process.	UGC, New Delhi	2007-09	6,03,100/-	Co-investigator
6.	Development of Zn-TiO ₂ Nano Particles composite Coating for Industrial Applications.	DST, New Delhi	2008-11	25,67,584/-	PI
7.	Electrochemical Advanced methods for degradation of Hazardous and Toxic Chemicals of Industrial Effluents.	UGC, New Delhi	2012-15	12,39,800/-	PI

7. Participation in Abroad Conferences

International conference on Global challenges – the role of chemistry in giving their solutions.

11th – 15th June 2011, ICC, Bangkok, Thailand.

8. Ph. D., M.Phil., M.Tech., Guidance

Sl. No.	Name of the Candidate	Title of the Ph. D Topic	Degree	Year
1	Shrikantha Pai	Bright Chromium Plating From Acid Bath on Mild Steel	M.Tech	1996
2	E.T.Shankarappa	Development and Optimization of a new brightener for Zinc –Nickel alloy Plating from sulphate-Chloride bath	M.Phil	1999
3	Arthoba Naik Y	Development and optimization of brighteners for industrial zinc electroplating from acid and non-cyanide alkaline baths	Ph.D	2002
4	N.Shobha	Development of New Addition Agent for Zinc-Nickel Alloy Bright plating from Sulphate bath	M.Phil	2002
5	Rajappa S K	Development of new chelating agents as zinc and steel corrosion inhibitors and surface treatment of zinc	Ph.D	2004
6	Kariyanna K G	Development of industrial zinc alloys electroplating baths	Ph.D	2005
7	H.P.Sachin	Electro organic synthesis of some technologically important compounds	Ph.D (Co-Guided)	2007
8	Ganesha Achary	Synthesis of electroactive organic compounds for the surface modification of some industrially important metals	Ph.D (Co-Guided)	2007

9	Anil Venkatesh Shanbhag	A study of the inhibition effects of non-toxic organic inhibitors on corrosion of steel and zinc	Ph.D	2008
10	Prabhu R A	Development of New Electroactive compounds as corrosion inhibitors for steel and zinc, and for zinc surface treatment	Ph.D	2008
11	S Shiva Kumar	Electroorganic Synthesis of Some Technologically Important Compounds	Ph.D (Co-Guided)	2008
12	Srinath K V	Corrosion and its inhibition studies on branded steel and brass of industrial importance.	Ph.D	2009
13	Shankaresha N	Design of organic molecules as surface modifiers for some Industrially important metals	Ph.D	2009
14	Praveen B M	A study on the effect of addition agents on electrodeposition and corrosion of zinc	Ph.D	2009
15	H.B. Muralidhara	A study on the effect of electroactive compounds on electroplating of zinc and its alloys	Ph.D (Co-Guided)	2009
16	P. Sarala	Electrochemical Studies and Treatment of Synthetic Dye Effluent	M.Phil	2009
17	N.S.Ashmitha	Electrochemical Studies and Degradation of Azo dye	M.Phil	2009
18	Poornima Kumari	Studies on Substituted Pyrimidine and Biquinoline and its Application	M.Phil	2009
19	Vathsala K	Studies on electrodeposition of metal composites	Ph.D	2010
20	G Harshini	Development of inhibitors for corrosion of mild steel	M.Phil	2010

21	M K Pavithra	Corrosion inhibition studies by Electrochemical methods	M.Phil	2010
22	Chandrappa K.G.	A study on generation of nano and micro sized particles and their technological applications	Ph.D	2012
23	Nayana K O	A Study on the Influence of New Additives on Electrodeposition of Zinc and its Alloys For Technological Application	Ph. D.	2012
24	Shilesha B S	A Study on the use of plating bath addition agents on corrosion behavior of steel and zinc	Ph. D.	2012
25	Nataraja S E	A Study on the effect of electroactive organic molecules on the corrosion of steel and their Inhibition action in acid medium	Ph. D.	2012
26	Rangaraju P R	A Kinetic and Mechanistic Investigation on Catalytic oxidation of Few Biomolecules	Ph.D	2013
27	Sarala P	Electrochemical Studies on the Treatment of Dye Effluents	Ph.D	2013
28	Ranganatha S	Preparation of anticorrosive thin film for steel materials	Ph.D	2013
29	Punith Kumar M K	Development of Zn-Nano particles composite coating process for Industrial application	Ph.D	2013
30	Praveen Kumar C M	Studies on Characterization properties and applications of composites	Ph.D	2013
31	H. Manjunath	Development of Micro and Nanosized cathode materials for aqueous rechargeable lithium batteries.	Ph.D Co-guided	2013
32	K. C. Mahesh	Development of Nanosized cathode materials for aqueous rechargeable lithium batteries	Ph.D Co-guided	2013

33	Pavithra M.K	Electrochemical and quantum mechanical approach for the study of corrosion inhibition behavior of steel and aluminum in presence of few selected organic compounds.	Ph.D	2015
34	Shubha.H.N.	Preperation and Performance evaluation of organic coatings as barrier films for corrosion protection.	Ph.D	2017
35	Naveen Kumar.T.	Kinetic and Mechanistic studies of few biologically important Drug molecules by electroanalytical techniques.	Ph.D	(Working)
36	S.A. Srikanta	Studies on the electrochemical behavior of some important Nitro compounds and their industrial applications.	Ph.D (Co-Guide)	(Working)
37	T.C.M. Yuvaraj	Preparation and spectral studies of 3d group transition metal complexes of semicarbozones, thio semicarbozones derivatives	Ph.D (Co-Guide)	(Working)
38	M. Mallesh	Studies of layer-by-layer polyelectrolyte adsorption and their applications to biosensors	Ph.D (Co-Guide,	2014
39	R. Manjunath	Development of Layer-by-Layer self assembled thin films for chemical and biochemical sensors.	Ph.D (Co-Guide)	2014
40	S. Prasanna kumar	Conducting Polymer films for sensor application	Ph.D (Co-Guide)	2014
41	R. B. Shivashankaraiah	Synthesis of Nano sized electrode materials for aqueous rechargeable lithium batteries.	Ph.D (Co-Guide)	2014
42	S. Anitha	Phytochemical investigation and pharmacological screening of Abroma augusta, Coscinium fenestratum and Rotula aquatic	Ph.D (Co-Guide)	2014
43	Anantha N S	Electrochemical and photoelectrochemical degradation of hazardous and toxic organic chemicals.	Ph.D	2017

44	Vinutha M R	Application of zinc electroplating bath brighteners and surfactants as corrosion inhibitors for steel	Ph.D	(Working)
45	Nagaraja C	Electrochemical derivatisation of biologically active organic compounds and their electrochemical behavior using modified electrodes.	Ph.D	(Working)
46	Deepa K	Synthesis of nano/micro structured metal oxides and development of corrosion resistant coatings	Ph.D	(Working)

9. Worked as Convener/Executive member - Conferences

Sl. No.	Title	Seminar/conference/Symposia/workshop	Date	Regional / National/ International	Funding agency
1	Micro analytical techniques	One day seminar	1998	National	Kuvempu University
2	Industrial entrepreneurship motivation programme	One day workshop	1999	National	Kuvempu University
3	Polymer technology for industry and society	Seminar	2000	National AICTE, CIPET	Kuvempu University UGC,CSIR,
4	19 th annual conference of Indian council of chemists	Conference	2001	National	Kuvempu University UGC,CSIR
5	Concise course in advance instrumental chromatographic technique	Workshop	2001	National	Kuvempu University ICC,CSIR, UGC,DST

6	Chemistry for changing times	One day workshop	2002	National	Kuvempu University
7	Frontier areas in chemistry	One day seminar	2003	National	Kuvempu University
8	Recent developments in spectroscopic technique	One day seminar	2003	National	Kuvempu University
9	Scenario of research and business opportunities in medicinal and aromatic plants in 21 st century	Three day national seminar	2004	National	NMPB, MPA, Kuvempu University
10	Recent advances in electrochemical and surface sciences for industry and society	Two days seminar	2004	National	Kuvempu University, CSIR, AICTE
11	National conference on Chemical Sciences for industry and Society	Three days seminar	2006	National	Kuvempu University, CSIR
12	Workshop on Research activities in chemical sciences	One day workshop	2006	National	Kuvempu University
13	National conference on Emerging Areas in Chemical and Biological Sciences	Two day national conference	2007	National	University, CSIR, DBT & AICTE, New Delhi, Directorate of distance education, Kuvempu University

14	Nanotechnology past, present, future	One day National Seminar	2008	National	Kuvempu University
15	Recent trends in Chemical and Biological Sciences	Two Day National Conference	2010	National	UGC-SAP Kuvempu University
16	National conference on Social relevance of chemical sciences	Two Day National Conference	26 – 27 th March-2011	National	UGC-SAP Kuvempu University
17	KSTA sponsored Special lecture Series on Chemistry	Three day workshop	15- 17 th November 2011	Regional	Karnataka Science and Technology Academy, Govt. of Karnataka, Kuvempu University
18	International Year of Chemistry	One day Workshop	22 nd Oct 2011	National	UGC, Kuvempu University
19	Chemistry-our life our future	Two days national seminar	25 – 26 th April 2012	National	Kuvempu University

10. Study Materials – M.Sc. Chemistry Distance Education

Sl. No	Title of the Book	Publisher	Year
01	Physical chemistry IV	DEC, Kuvempu university	2004
02	Physical chemistry VIII	DEC, Kuvempu university	2005
03	Practical Physical chemistry I	DEC, Kuvempu university	2005
04	Practical Physical chemistry II	DEC, Kuvempu university	2006
05	Applied Physical chemistry	DEC, Kuvempu university	2007
06	Physical chemistry IV	DEC, Kuvempu university (SIM Mode)	2011
Books			
01	Electrodeposition and Nanocomposite (ISBN-9783848401192) 184 Pages.	Lambert publication, Germany	2012
02	Corrosion Inhibitors (ISBN-9783848427109) 120 Pages.	Lambert publication, Germany	2012
03	Preparation and Characterization of metal oxides (ISBN- 978-635-947-566-5) 180 Pages.		
04	Metallic corrosion inhibition by organic molecules (ISBN- 978-3-659-88863-2) 253 Pages.	Lambert academic publishing, Germany	2016

11. Invited Talks given

- ❖ Resource person, “PUC college Teachers subject training programme”, 8-11-2008, PUC and Job oriented course Department, **Chitradurga**.
- ❖ 2nd AP Science Congress, 14th - 16th November 2009, Andhra Pradesh academy of Sciences, Sri Venkateswara University, **Tirupati, Andhra Pradesh**.
- ❖ “Electrochemical Concepts for Technological Applications”, National Conference, 3rd & 4th March 2010, SJVP College, Autonomous, **Harihar**.
- ❖ “Electrochemistry for key Technological applications”, 24th February 2011, Government Women College, **Mulabagilu, Kolar**.
- ❖ “Electrochemical generation of metal oxides nanomaterials for degradation of toxic organic compounds and their anticorrosive composite coatings”, International conference on Global challenges – the role of chemistry in giving their solutions, ICC, 11th - 15th June 2011, **Bangkok, Thailand**.
- ❖ “Electrochemical concepts for development of materials and their key technological applications”, Refresher Course, 20th June 2011, Mysore University, **Mysore**.
- ❖ UGC sponsored National Conference On “Recent Trends in Chemistry (RTC – 2011)”, 16th – 17th September, 2011, Department of Chemistry, P.E.S. College of Science, Arts & Commerce. **Mandya, Karnataka**.
- ❖ “150th birth anniversary of Bharatha Ratna Sir. M. Visvesvaraya’s Memorial Frontier Lecture Series” 23rd November 2011, Department of post graduation in chemistry, Government science college, Affiliated to university of Mysore, **Hasan, Karnataka**.
- ❖ National conference on chemical and Environmental Science (NCCES -2011) 28th and 29th December 2011, Department of chemistry Mahavir Jain college. **Bengaluru**.
- ❖ Talk delivered on ‘Chemistry education and its importance’ on 14th February 2012 organized by council for Popularization of Science education, Kuvempu University for high school teachers.
- ❖ Invited talk on importance of electrochemistry for M.Sc students and research scholars arranged by Chem-club, Dept. of Chemistry, Gulbarga University, Gulbarga on 23-2-2012.
- ❖ Invited talk on ‘Ceramics to Coatings-Generation of nanosized ceramics reinforced zinc composite coatings for potential applications’ in the Two days conference on Impact of

Chemical Biology on Society (NCICBS-2012) organized by Dept. of Industrial Chemistry, Kuvempu University on 26-27 April 2012.

- ❖ Invited talk on ‘Corrosion of materials’ at One day state level seminar on “Chemistry-our life, our future” organized by Sri Jagadguru Chandrashekhara Bharathi memorial college, Sringeri, on 27th March 2012.
- ❖ Presidential talk in Two days national seminar on “Progress in Biomedical Research and its Impact on Human Health” organized by Dept. of Biochemistry, Kuvempu University on 3rd April 2012.
- ❖ Presidential address in Valedictory function of National conference on “New Frontiers in Animal Science” organized by Dept. of Applied Zoology, Kuvempu University on 10th April 2012.
- ❖ Presidential talk at valedictory function of “National Conference on Biotechnological and Society” (NCBS 2012) organized by Dept. of Biotechnology and Bioinformatics, Kuvempu University on 20th April 2012.
- ❖ Valedictory address in the ‘National seminar on Current issues of western ghats-problems and solutions & alumni meet – 2012’ organized by Environmental science, Kuvempu University on 21st April 2012.
- ❖ Presidential talk in ‘Two days national conference on Impact of Chemical Biology on Society (NCICBS-2012) organized by Dept. of Industrial Chemistry, Kuvempu University on 26 – 27th April 2012.
- ❖ Presidential address in the valedictory function of one day national seminar on ‘Current Progress and Future Prospects in Cancer Research’ organized by Dept. of Biochemistry, Kuvempu University on 22-02-2013.
- ❖ Invited talk on “Newer Environmental Challenges and their Confrontation Using Modern Techniques” organized by –Dept. of Chemistry, DVS college of arts and science conducted seminar on environmental pollution: a threat to global life on 03-03-2014.
- ❖ Invited talk on “Corrosion & its control through electrochemical techniques” organized by – Dept. of Chemistry, Bangalore University, Bangalore on 24-03-2014.
- ❖ Invited talk on “Eco-friendly applications of electrochemistry; Pollution control and generation of materials” organized by UGC – Academic staff college, university of mysore, mysore on 30-03-2013.
- ❖ Invited talk on “physical aspects of spectroscopy” organized by –Dept. of Chemistry, sahyadri science college (autonomous) shimoga on 15-04-2014.

12. Research Publications

No. of Research Publications : 217

1. Acid sulphate bath-Anthranillic acid and Formaldehyde as brighteners.**T. V. Venkatesha**, J. Balachandra, S. M. Mayanna,*Metal Finishing*, 1985, 33-36.
2. m-Nitrobenzaldehyde as brightener for acid zinc sulphate bath.**T. V. Venkatesha**, J. Balachandra, S. M. Mayanna , *Metal Finishing*, 1986, 29-31.
3. Effects of Glycine and thiourea as brighteners in an acid zinc sulphate bath. **T. V. Venkatesha**, J. Balachandra, S. M. Mayanna & R. P. Dambal, *Plating and Surface Finishing*, 1987, 77-80.
4. A Brightener system for acid zinc plating. S. M. Mayanna, **T. V. Venkatesha**, R. P. Dambal & J. Balachandra, *Metal Finishing*, 1987, 15-18.
5. Acid sulphate bath for electrodeposition of cadmium. S. M. Mayanna, **T. V. Venkatesha**, J. Balachandra & R. P. Dambal , *Metal Finishing*, 1988, 39-41.
6. A brightening agent for zinc plating.**T. V. Venkatesha**, J. Balachandra , R. P. Dambal & S. M. Mayanna. *Plating and Surface Finishing*, 1988.
7. Acid Zinc Bath Using Dimethylsulfoxide And Allyl Thiourea As Brighteners.**T. V. Venkatesha**, S. M. Mayanna , *Metal Finishing*, 1989, 28-31.
8. Industrial zinc sulphate baths-Basic studies. **T. V. Venkatesha**, S. M. Mayanna , *Bulletin of Electrochemistry*, 1989, 5 (10), 733-736.
9. Histidine ninhydrin as zinc brighteners for acid zinc sulphate bath.**T. V. Venkatesha**, S. M. Mayanna & J. Balachandra, *Metal Finishing*, 1990, 88 (8), 40.
10. Bright plating of zinc on medium and high carbon steels from sulphate baths.**T. V. Venkatesha** and A. V. Adhikari , *Bulletin of electrochemistry*, 1993, 9, 76-79.

11. Development of industrial zinc electroplating from chloride type bath. **T. V. Venkatesha** Group monitoring workshop, Bombay. DST, 11, 19, 66-70, 1993.
12. Bright zinc-nickel plating from chloride bath. **T. V. Venkatesha**, *J. Electrochem. Soc. India*, 1996.
13. Bright zinc plating from chloride bath. **T. V. Venkatesha** *Bulletin of electrochemistry*, 1996, 12 (7-8), 472-476.
14. Bright zinc- nickel alloy plating from sulphate chloride bath. **T. V. Venkatesha**, *J. Electrochem. Soc. India*, 1997, 46(1), 15.
15. Hull cell –An inexpensive tool for optimizing industrial zinc plating bath. **T. V. Venkatesha** *Research Bulletin*, 1997,1,16-19.
16. Electroplating of Zinc from sulphate chloride bath. **T. V. Venkatesha** , *Bulletin of Electrochemistry*, 2000.
17. Effect of yeast extract on electro deposition of zinc-Hull cell studies. Y. Arthoba Naik, **T. V. Venkatesha** & P. Vasudeva Nayak, *J. Electrochem. Soc. India*, 2000, 49(3) 170-173.
18. Effect of condensation product on bright zinc electrodeposition from sulphate bath. Y. Arthoba Naik, **T. V. Venkatesha** & P. Vasudeva Nayak, *Indian Journal of Chemical technology*, 2001, 8, 390-395.
19. A study on corrosion of steel and zinc in an electroplating acid baths. S. K. Rajappa, Y. Arthoba Naik & **T. V. Venkatesha**, *Bulletin of electrochemistry*, 2001, 17, 489-494.
20. Electro deposition of zinc from chloride solution. Y. Arthoba Naik, **T. V. Venkatesha** & P. Vasudeva Nayak, *Turkish Journal of chemistry*, 2002, 26, 725-733.
21. Corrosion resistance and electrochemical properties of bright zinc deposits from sulphate baths. Y. Arthoba Naik, **T. V. Venkatesha** & P. Vasudeva Nayak *Transaction of SAEST*, 2002, 37, 39-42.

22. New addition agent for bright zinc nickel alloy plating. N Shoba & **T. V. Venkatesha** **Transaction of SAEST**, 2002 37(2) 49-54.
23. New condensation products as corrosion inhibitors for mild steel in hydrochloric acid medium, S K Rajappa & **T. V. Venkatesha**, *Indian Journal of Engg and Mat.Sci.*, 2002, 9 213-217.
24. Effects of imines on corrosion of mild steel in 2M hydrochloric acid solution.S K Rajappa & **T. V. Venkatesha**, *J. Teaching and Research in chemistry*, 2002, 9(2) 34-39.
25. Effect of imines on corrosion rate of zinc in hydrochloric acid medium by chemical and electrochemical studies. S K Rajappa & **T. V. Venkatesha** **J.Electrochem.Soc.India**, 2002 51(2) 54-58.
26. Electro deposition of zinc-nickel alloy from sulphate bath. K G Kariyanna & **T. V. Venkatesha**, *J. Electrochem. Soc. India*, 2002 51(2) 71-74.
27. Inhibition studies of a few organic compounds and their condensation products on the corrosion of zinc in hydrochloric acid medium . S K Rajappa & **T. V. Venkatesha** *Turk. J. Chem*, 2003, (27) 189-196.
28. Electro deposition of zinc-nickel alloy from sulphate chloride bath.K G Kariyanna ,Y. Arthoba Naik & **T. V. Venkatesha** ,*J Teaching and Research Chem.* 2003, 10(2), 31-37.
29. Electrodeposition of zinc nickel alloy from sulphate chloride bath. K G Kariyanna, Y. Arthoba Naik & **T. V. Venkatesha**, *J Ind, council of chemists.* 2003, 20(2) 43-47.
30. A new brightener for zinc plating from non-cyanide alkaline bath. Y. Arthoba Naik & **T. V. Venkatesha**, *Indian J. Engg and Mat. Sci.*, 2003, 10, 318-323.
31. Bright zinc nickel alloy plating from sulphate bath. K G Kariyanna, Y. Arthoba Naik & **T. V. Venkatesha**, *Transaction of SAEST*, 2004, 39, 39-43.
32. Electrodeposition of zinc-nickel alloy from chloride bath. K G Kariyanna ,Y. Arthoba Naik & **T. V. Venkatesha**, *Bulletin of electrochemistry*, 2004, 20 (1) 39-44.
33. A new condensation product for zinc plating from non-cyanide alkaline bath. Y. Arthoba Naik & **T. V. Venkatesha**, *Bulletin of Material Sci.*, 2005, 28, 495-501.

34. Chemical treatment of Zinc by a new chelating agent for corrosion protection. Ganesha Achary, H. P. Sachin, Y. Arthoba Naik & **T. V. Venkatesha**, *Bull. of Electrochemistry*, 2005, 21, 241-245.
35. Benzimidazole –2 – one and its nitro derivatives as inhibitors for the corrosion of mild steel in hydrochloric acid . A. V. Shanbhag, R. A. Prabhu, G. M. Kulkarni & **T. V. Venkatesha**, *J.Electrochem.Soc.India*, 2005, 21(9), 403-409.
36. Spectral characterization of apatite formation on Poly(2-hydroxyethylMethacrylate)-TiO₂Nanocomposite film prepared by sol-gel process.K. Prashantha, B. J. Rashmi, **T.V Venkatesha** & Joong Hee Lee, *Spectrochimica Acta*, 2005, 65, 340-344.
37. Acid zinc plating bath with a new brightener.Y. Arthoba Naik & **T. V. Venkatesha**, *J Teaching and Research Chem*, 2005, 12(2), 15-23.
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12. Conferences/ Seminars/ Summer Institute/ Workshop

Sl. No.	Conference/ Seminar/Summer Institute/workshop, etc.	Sponsors	Duration and year	Title of the paper (if presented)
1	Exposed to different types of metal plating and analysis of plating baths	ECSI , IISc, B'lore	08 days, 1986	--
2	Lectures on basic electrochemistry	SAEST, CECRI	04 days, 1985	--
3	Winter school on application of biochemistry	Regional Engineering college, Tiruchirapalli	14 day, 1989	--
4	26 th Annual Convention of Chemist	Indian Chemical Society	04 days, 1989	Electroplating of Nickel-Zinc alloy from sulfate bath
5	27 th annual convention of Chemist	Indian Chemical Society	04 days, 1990	Electroplating of zinc on different carbon steel from sulphate type bath
6	Winter school on polymers	IIT, Delhi	12 day, 1990	
7	Summer school on growth and characterization of crystals	CGCm Ann University, Madaras	12 days, 1991	
8	Professional development, training programme for teachers	KREC Surathkal	5 days 1991	
9	Summer school on food process and preservation engineering	IIT, Kharagpur	13 days, 1992	

10	11 th groupo monitoring workshop, DST, New Delhi.	IIT, Bombay	09 days, 1993	Development of industrial zinc electroplating from chloride type bath
11	14 th group conference of chemists	Indian chemical society	03 days, 1995	Industrial zinc electroplating-hull cell studies
12	Summer school on data analysis and system design	KREC Surthkal	13 days, 1995	Hull cell studies of zinc nickel alloy plating
13	16 th annual conference ICC	Indian council of chemists	03 days, 1997	
14	Winter school on industry institutional planning	Tamil nadu polytechnic Madurai	16 days, 1997	
15	Winter school on industry institute partnership	Tamil nadu Polytechnic Madurai	16 days, 1997	
16	Winter school on industry institute partnership	KREC Surathkal	07 days, 1997	
17	Summer school on quality assurance in education	KREC Surathkal	06 days, 1997	
18	Summer school on Mechatronics	KREC Surathkal	23 days, 1997	
19	National workshop on recent trends in micro analytical techniques	Kuvempu University	04 days, 1998	
20	Industrial Entrepreneurship motivation programmer	Kuvempu University	01 day, 1999	
21	National seminar on polymer technology for industry and society	Kuvempu University	02 days, 2000	Industrial zinc electrodeposition from acid electrolyte
22	National symposium on Electrochemical Science and Technology-2000	ECSI, IISc., Bangalore	02 days,2000	Effect of electroactive compounds on zinc plating from different baths
23	19 th Annual conference on Indian Council of Chemists	Kuvempu University	03 days 2001	Effect of Semicarbazide and Glutaraldehyde on zinc electrodeposition from sulphate –Chloride bath

24	National Symposium on Electrochemical Science and Technology-2001	ECSI, IISc Bangalore	03 days, 2001	Effect of 3,4,5-trimethoxy benzaldehyde on electrodeposition from sulphate Chloride bath
25	38 th Annual convention of Chemists 2001, Jodhpur, India	Indian Chemical Society	04 days, 2001	
26	Concise course in Advanced Instrumental Chromatographic Techniques	ICC & Kuvempu University	01 day 2001	
27	Chemistry for Changing times	Kuvepmu University	01 day 2002	Electrochemical properties of bright zinc deposits obtained from acid sulphate bath ²⁸
28	Frontier Areas in Chemistry	Kuvempu University	01 day 2002	Zinc plating form non-cyanide Alkaline bath
29	National symposium on Electrochemical sciences and technology-2002	ECSI, IISc, Bangalore	02 days, 2002	
30	21 st Annual conference of ICC, Jabalpur (MP)	Indian Council of Chemists	03 days, 2002	A study on corrosion of steel and zinc in an electroplating acid bath
31	19 th Annual conference of ICC at Shankaraghatta	ICC and Kuvempu University Shankaraghatta	03 days, 2000	Modification of Zinc surface by a new organic chelating compounds and its corrosion studies
32	National Symposium on Electrochemical Science and Technology-2001	ECSI, IISc, Bangalore	02 days, 2001	Corrosion inhibition studies on mild steel and in hydrochloric acid medium
33	38 th Annual Convention of Chemists 2001, Jodhpur, India	Indian Chemical Society	04 days, 2001	Electrodeposition of bright zinc from chloride-sulfate bath
34	18 th Annual conference of ICC, Jalagaon	ICC	03 days	
35	National Convention of Electrochemists-10, Karaikudi	NCE, CECRI	02 days	Development of bright zinc electroplating bath: A Hull cell study
36	How to develop, Validate and Trouble shoot GC methods	ASC and CSI	01 day, 2001	

37	Campus diversity initiative	Kuvempu University	03 days, 2001	
38	20 th Annual conference of ICC	ICC, Mysore University	03 days, 2001	Electrodeposition of Zn-Ni alloy from sulphate bath
39	International workshop on microwave synthesis of bioactive molecules	Nargund college of Pharmacy	01 day, 2001	
40	Refresher Course	Mangalore University	22 days, 2001	
41	Refresher Course	Bangalore University	21 days, 2003	
42	Refresher Course	Kuvempu University	21 days, 2004	
43	Work shop on organic chemistry	Kuvempu university	01 day, 2003	
44	Science club	J.C.B.M college, Sringeri. Chemical Indian Heritage Academy Society	01 day, 2004	
45	Multimedia training	Kuvempu university	03 days, 2004	
46	Refresher Course	Kuvempu University	23 days, 2004	
47	Recent advances in electrochemical and surface sciences for industry and society	Kuvempu University	02 days 2004 (Dec 3 rd & 4 th)	Electrochemical reduction of m-Nitrobenzaldehyde and benzophenone in acidic aqueous ethanol medium, Chemical surface modification of zinc by some azo dyes, Electrodeposition of Zn-Ni alloy from non-cyanide sulphate bath Corrosion inhibition by the imine compounds for steel in acid medium, Surface modification of Cu by chemical method and its corrosion study in sulphuric acid

48	National seminar on frontiers of chemical sciences	Aurangabad	02 days 2005 (March 12-13)	
49	23 rd Annual conference of ICC	K.C.College, Mumbai	03 days, 2004	Electrochemical reduction of compounds on different metal electrodes
50	National Seminar on "Recent advances in Electrochemical and Surface Sciences for Industry and Society"	Kuvempu University	02 days 3 rd and 4 th Dec 2004	Electrochemical Synthesis of Polynitroaniline, Surface treatment of Zinc corrosion protection by a new chelating agent Electrochemical reduction of m-nitrobenzaldehyde and benzophenone on tin cathode in acidic ethanol medium, Electrodeposition of Zn-Ni alloy from Non-cyanide-sulfate bath, Chemical Surface modification of Zinc by some Azo dyes
51	National conference on Electrode kinetics	Jiwaji Univeristy Gwalior	03 days, 25 th to 27 th Nov, 2005	Corrosion inhibition by the Imine compounds for steel in acid medium, Electrocatalytic activity of cathodes in electrochemical reduction of aromatic nitrocompounds, Zn-Ni alloy electrodeposition from chloride baths. Electrochemical reduction of carbonyl group of naphthaldehyde and anthranilic acid on different metal cathodes

52	National symposium on electrochemical science and technology	IISc, Bangalore	02 days, 22 nd and 23 rd July-2005	Electrochemical preparation of orthophenylenylene diamine on different metal cathode in sulphuric acid medium
53	National conference on chemical sciences for industry and society	Dept. of Ind.Chemistry, Kuvempu University	03 days, Jan-2006	Electrochemical modification of mild steel surface and its corrosion study, Influence of metal on the dissolution of iron and zinc in HCl inhibition effect of hydrazide on corrosion of mild steel in HCl, A new brightner for Zn-Ni alloy plating from acid chloride bath A new electrochemical reduced product as a brightner in electroplating of Zn-Ni alloy from sulfate bath, New condensation products viz., Schiff's bases as corrosion inhibitors on steel in 2N HCl medium
54	Seminar on DNA: past, present and future	D.V.S. college Shimoga	2005	
55	A seminar on "Malenadu pranthiyada oushadha matthu sugandha sasyagala bele matthu balake haagu rasa vishleshane"	Sahyadri Science college, Shimoga	Dec 18-19, 2004	
56	A lecture given on the topic of electrochemistry at the refresher course in Industrial Chemistry	Kuvempu University	Nov 24-Dec-14, 2004	Basic electrochemistry and its applications

57	IPR workshop	Kuvempu University	Jan 29-30, 2005	
58	National symposium on electrochemical science and technology	IISc Bangalore	21 st to 22 nd July 2006	Corrosion studies of carbon nanotubes – Zn Composite coating
59	International Conference on Nano-Materials for Electronics	(C-MET) Pune	Nov 27 – 29 2006	Corrosion behaviour of TiO ₂ -Zn Composite coating
60	National Conference on Emerging Areas in Chemical and Biological Sciences	Kuvempu University (13 papers presented)	March 23-24, 2007	<p>Corrosion Behavior of zinc-cobalt-carbon particles composite coating,</p> <p>The Chemical Treatment of Zinc Surface and its corrosion inhibition Studies,</p> <p>Influence of Additives on Electrodeposition of Bright Zn-Ni alloy on mild steel,</p> <p>A Studies on Zn-Ni-CNTs Composite Coatings,</p> <p>Chloroquinolines as Inhibitors for Mild Steel Corrosion in hydrochloric acid solution,</p> <p>New Electroactive compounds corrosion inhibitors for mild steel in acid solution.</p>
61	Fourteenth National Congress On Corrosion Control	Corrosion Council of India	18-20, Sept 2008	<p>Preparation of Zn-Al₂O₃ Composite Coatings and it's Corrosion Behaviour,</p> <p>Generation and corrosion behaviour of Zn-Nano sized carbon black composite coating</p> <p>Corrosion Resistant Nanocrystalline Zinc Coating</p>

62	The International Conference on Frontiers in Chemical Research (ICFCR - 2008)	Mangalore University	December 29-31, 2008	Preparation of Zn-Al ₂ O ₃ Composite Coatings and it's Corrosion Behaviour, Effect of electrolysis parameters on synthesis of ZnO nanoparticles Corrosion studies of bright Zn-Fe electrodeposit, Influence of Additive on bright Zn-Ni alloy Electrodeposition, Preparation of Zn-Al ₂ O ₃ Composite Coatings and it's Corrosion Behaviour, Effect of electrolysis parameters on synthesis of ZnO nanoparticles
63	Two day National Conference on Chemistry and Molecular Nanotechnology for Industry and Society	Kuvempu University	16-17 th January, 2009	Corrosion behaviour of Zn-Ni-Fe ₂ O ₃ Nano Composite Coating
64	State level conference on Nanotechnology	Kuvempu University MBR college, Sirigere	14 th August 2009	A Hybrid Electro-Thermal Method for the Preparation of Large ZnO Nanoparticles
65	Two Day International Conference on Recent Advances in Industrial Electrochemical Science and Technology	Mangalore University (Seven papers presented)	05-07 th November 2009	The Synergistic Effect of Additives on Improving the Brightness of Nanocrystalline Zinc Electrodeposits, Electrochemical Studies on Electrodeposition of Zn-MoS ₂ Nanocomposite coatings, Electrochemical study on treatment of synthetic dye effluent

66	National Conference on Recent Trends In Chemical Research	NITK, Surathkal, Manglore (six papers presented)	8- March 2010	10 th	Electrodeposition and Corrosion behaviour of Zn-BN Composite Coating, Electrodeposition of Zn-TiO ₂ nanocomposite Coating on mild steel and its corrosion studies.
67	National conference on Recent Advances in Electroanalytical Techniques	Gandhigram Rural Institute-Deemed University, Gandhigram (Five papers presented)	25-26 th Feb 2010		Generation and corrosion behaviour of Zn-TiO ₂ Composite Coating, Development of Ni-Zn-P/Nano-TiO ₂ Composite Coating and Their properties, Generation of Nanocrystalline NiO particles by a solution combustion method
68	Two day national conference on Recent trends in Chemical and Biological Sciences	Kuvempu University (seven Papers Presented)	March -31 st 2010	30 th	Generation of nanocrystalline NiO particles by solution combustion method and its application for Zn-NiO composite coating Influence of additives on zinc electrodeposition, Synergistic inhibition behaviour of benzisothiazolepiperdine and iodide ions on mild steel corrosion in acid medium
69	Third conference of Karnataka Science and Technology Academy,	Manasa Gangothri, Mysore University, Mysore.	15 th – 16 th February 2011		Globalization of Science and Technology – opportunities and challenges
70	Invited talk	Government Women College, Mulabagilu, Kolar	24 th February 2011,		“Electrochemistry for key Technological applications”

71	Two day National conference on Social relevance of chemical sciences	Kuvempu University (Sixteen Papers presented)	26 - 27 th March-2011	Ni/nano Si ₃ N ₄ composite deposit, characteriation and corrosion behavior. New brightener for zinc electrodeposition and its synergistic effect with cetyltrimethylammonium bromide on properties of deposit. Generation of Co ₃ O ₄ microparticles by solution combustion method and its Zn- Co ₃ O ₄ composite coating for corrosion protection. Study on the inhibition potential of tachrine for the corrosion of steel in acid media.
72	International conference on Global challenges – the role of chemistry in giving their solutions.	ICC, Bangkok, Thailand.	11 th – 15 th June 2011	Generation of Co ₃ O ₄ microparticles by solution combustion method and its Zn-Co ₃ O ₄ composite coating for corrosion protection.
73	Invited talk - Refresher course	Mysore University, Mysore.	20 th June 2011	“Electrochemical concepts for development of materials and their key technological applications”
74.	National Symposium on Chemistry and Humanity (NSCH - 2011),	Department of Chemistry, MIT, Manipal University, Manipal – 576 104.	11 th – 12 th July - 2011.	Ni/nano Si ₃ N ₄ composite deposit, characterization and corrosion behavior. Fabrication, characterization and corrosion behavior of electrodeposited Zn-TiO ₂ composite coatings.

75.	UGC sponsored National Conference On “Recent Trends in Chemistry (RTC – 2011)”	Department of Chemistry, P.E.S. College of Science, Arts & Commerce. Mandya – 571 401, Karnataka.	16 th & 17 th September 2011	Veratraldehyde as corrosion inhibitor for zinc in different acid medium. Computational and experimental evaluation of the acid corrosion inhibition of steel by Tacrine.
76.	Colloquium on “Higher Education in 12 th Five year plan” organized by Karnataka State Higher Education Council & Centre for Educational and Social Studies	Central college, Bengaluru.	23 rd December 2011	
77.	National conference on chemical and Environmental Science – 2011 (NCCES -2011)	Mahavir Jain college. Bengaluru.	28 th and 29 th December 2011	Synthesis of pseudophobic CO ₃ O ₄ microparticles by solution combustion method and its zinc composite coating for corrosion protection.
78.	Two day Workshop On “Electrochemical Techniques for Nano-Scale Surface Engineering” (ECTNSE-2012)	HBNI Auditorium Bhabha Atomic Research Centre Trombay, Mumbai.	5 th and 6 th January, 2012	Mulliken Charge Evaluation of the acid corrosion inhibition potential of few organic molecules containing the methylthiophenyl moiety.
79	Two day national seminar on “Chemistry-Our life our future” (NCOF-2012)	Kuvempu University Shankaraghatta	25 th – 26 th April, 2012	-

80	5 th annual conference on “Science & technology for societal transformation” jointly organized by KSTA & Dayanand Sagar Institutions.	Dayanand Sagar Institutions	19 th -20 th December 2012	‘Spectrophotometric estimation of donepezil hydrochloride in tablets’ ‘Development of electrodeposited Zn-HNT nanocomposite coatings’ ‘Kinetics and mechanistic investigation on oxidation of Phenylephrine Hydrochloride by Chloramine-T (CAT) in HCl medium’ ‘Self assembled sodium oleate monolayer for corrosion inhibition of mild steel in saline water’
81.	International conference on advances in materials science and technology ICRAMST-13	NITK Surathkal	17-19 th January 2013	‘Surfactant effect on Zn-Si ₃ Ni ₄ coating, electrochemical properties and corrosion behavior’ ‘Electrochemical degradation of acid red I dye and its treatment by UV light exposure’ ‘Development of high performance electrodeless Ni-P-HNT composite coatings’
82	National Conference on challenges and opportunities for chemical sciences in 21 st century	Prof.C N R Rao Centre For Advanced Materials, Tumkur University	8 th January 2013	Semi-empirical Quantum calculations and Hirshfeld surface analysis in 2,6-bis(2-furanyl methylidene) Cyclohexanone
83	6 th national Science conference Jnanarjana 2K14”beyond the frontiers in Science and technology”	The oxford college of Science Bangalore	27-28 th march 2014	Supramolecular Architecture in homoisoflavanone derivatives through cooperative weak forces: crystallographic and Hirfeld Surface analysis.

84	International conference on recent advances in materials and chemical sciences (icramcs-2015)	Department of Chemistry Gandhigram Rural Institute (Deemed University) Gandhigram -624 302 Dindigul District, Tamil Nadu, India	14-15 th December 2015	Protection of mild steel corrosion in saline water by alkyl phosphonic acid derived self-assembled monolayer.
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Declaration:

I hereby declare that the information furnished in this resume is true to the best of my knowledge and belief.

Place: Shankaraghatta

Date: 16/08/2017



(Dr. T. V. Venkatesha)