



Dr. VENKATESH K. MUTALIK  
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**Academic Qualification**

1986-89	: B.Sc. Physics, Chemistry and Mathematics
1989-91	: M. Sc, Organic Chemistry; Gulbarga University, Gulbarga
20 <sup>th</sup> May, 2006	: Ph. D Karnatak University, Dharwad-580003 Title: <i>Thermodynamic Interactions in binary Organic Liquid Mixtures and Polymer Solutions.</i>

**PROFESSIONAL EXPERIENCE**

16-08-1991 to 04-11-1998	Lecturer, L. V. D. College, Raichur
1991-95	Guest Lecturer in Chemistry, <b>N.E.T. Pharmacy College, Raichur</b>
05-11-1999 till date	Assistant Professor in Chemistry, J.S.S. College Dharwad.

**Academic Faculty Development Programmes:**

1. Orientation Course in **Value Education** From 8-10-2003 to 6-11-2003 at RIMSE MYSORE.
2. Refresher Course in **Recent trends in Chemistry** held at Madurai Kamraj University, Madurai from 07-11-2006 to 27-11-2006.
3. Refresher Course in **Nano Science** held at Karnatak University, Dharwad, from 21-12-2009 to 10-01-2010.
4. Refresher Course in Modern Teaching Trends in Applied Chemistry held at Jawaharlal Nehru Technological University Hyderabad, from 21-01-2011 to 15-02-2011.
5. One week Short Term Course in “**Research Methodology**”, organized by UGC-HRD Centre, Karnatak University Dharwad from 22/10/2018 to 28/10/2018.
6. **SWAYAM 16 weeks (21/08/2018 to 31/12/2018). Online Refresher Course In Chemistry For Higher Education conducted by Guru Angad Dev Teaching Learning Centre A Centre of MHRD, Govt. of India under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) Sri Guru Tegh Bahadur Khalsa College**

Research activities			
Field of Interest:	Thermodynamic Interactions study, Spectrophotometric Validation in Drugs,		
Number of Research Publications	12		
Number of research Articles Presented in National and International Conferences	08		
Google Scholar Citation	h-index	i-10index	Citations
	8	8	289
Research Projects			
Funding Agency	Title	Period	Amount Sanctioned
U.G.C., Delhi – Minor Research	<b>Synthesis, Characterization and Biological evaluation of some novel Coumarin derivatives and their Optical pH sensor studies with corresponding Lanthanide (III) complexes.</b>	2008 -2010 Completed	Rs. 1.15L
VGST, Department of IT, BT, S&T, Govt. Of Karnatak	<b>Determination of Potassium ion in Dry Fruits</b>	4 Months from Jan2011 to April2011 (Completed)	Rs. 20,000/-
Books Published			
<b>1. Authored; Semester wise Chemistry Text Books as per Karnatak University and Rani Channamma University Syllabus. Published by KONA publishers, Gadag.</b>			
Course	Year of Publication	ISSN/ISBN number	
B.Sc. 1 <sup>st</sup> Semester	2012, First edition; 2013, Second edition	987-93-5291-860-7	
B.Sc. 2 <sup>nd</sup> Semester	First edition; 2012	987-93-5291-743-3	
B.Sc. 3 <sup>rd</sup> Semester	First edition; 2013	978-93-5300-024-0	
B.Sc. 4 <sup>th</sup> Semester	First edition; 2015	978-93-5300-215-2	
B.Sc. 5 <sup>th</sup> Semester	First edition; 2016	978-93-5300-386-9	
B. Sc. 1 <sup>st</sup> Semester (CBCS Syllabus RCU)	First edition; 2021	Not yet allotted	
2. Authored and Member in Editorial Board for a book “ <i>Comprehensive B.Sc. Chemistry Laboratory Manual</i> ” as per Karnatak University, Syllabus.			
3. A Monograph “ <b>INDHANAGALU</b> ” (Fuels) written in Kannada was published by Prasara Kanna University, Hampi, in the year 2003.			
4. Under the Popular Science Programme in Kannada Language, a reference book on “ <b>CHEMICAL BONDS</b> ” is written and published in 2022.			
Academic Responsibilities and Contribution			
1. As a Resource person in Two days Chemistry Refresher Course for Pre-University College Teachers, Organized by Office of the Deputy Director Pre-University Colleges, Raichur, from 02-11-2008 to 03-11-2008, held at SRPS PU College, Raichur.			
2. As a <b>Subject Expert</b> in <b>One Day workshop on “New syllabus Framing of in B.Sc. degree syllabus in Chemistry”</b> Held at Kittel Science College on 06-03-2011.			
3. As a Resource person in One day Workshop on “ <b>Revise/ Restructure of B.Sc. degree Chemistry syllabus in Chemistry Practicals of Karnatak University Dharwad</b> ”. at Karnatak Science College, Dharwad on 18-03-2011 and at J. S. S. College, Vidyagiri, Dharwad,			

on26-03-2011.

4. As a Resource person and Invitee Speaker for First Mid-term Symposium in Research. Subject talk given on “**Use of Computer in Kannada Literature Research**” held on 11-11-2010 at Dr. D. Veerendra Heggade, Research Centre (Affiliated by Hampi, Kannada University) J.S.S. College, Campus, Vidyagiri, Dharwad.
5. As a Resource person and Invitee Speaker for One day workshop on awareness of Chemistry held at Vivekananda Public School, Sirguppa on 10<sup>th</sup> December 2011. Subject talk given on “**Food adulteration and its awareness**”.
6. As a Assistant coordinator in UGC sponsored one day State Level Workshop on “**GAS CHROMATOGRAPHY AND ITS APPLICATIONS**” held on 14-02-2012 at J. S. S. College, Vidyagiri, Dharwad.
7. As a Organising member in UGC sponsored Two days State Level Seminar on “**Basics of Spectroscopy**” organized by Department of Chemistry J.S.S. College, Dharwad on 9<sup>th</sup> and 10<sup>th</sup> March, 2013.
8. As a coordinator in UGC sponsored One day State Level Seminar on “**Chemistry in Our Lives**” in the celebration of International Year of Chemistry, organized by Department of Chemistry J.S.S. College, Dharwad on 13<sup>th</sup> October, 2011.
9. As a Organising Secretary in UGC sponsored Two days State Level Workshop on “**ADULTERATION AND CONTAMINATION – A CHALLENGE TO FOOD SAFETY**” organized by Department of Chemistry J.S.S. College, Dharwad on 13<sup>th</sup> and 14<sup>th</sup> March, 2015.

#### Activities as Coordinator- Training and Placement

1. **Coordinating , Paramedical Course to conduct special course in basic science**
2. Trainer for KSET / IIT JAM- Exam coaching.
3. Working as Councilor for B.Sc. (BDP) for IGNOU.
4. IQAC coordinator from 2016-2022.
5. SPOC for NPTEL courses (id: 6344)

#### *Fellow / Member of Professional Bodies:*

1. Life Member, Indian Council of Chemists.
2. Life Member, Karnataka University, Chemistry Teachers Forum.
3. Life Member, Karnataka University, Teachers Federation.

#### RESEARCH PUBLICATIONS

1. **Venkatesh Mutalik**, Lata S Manjeshwar, Ashwini Wali, Malladi Sairam, K.V.S.N Raju, T. M. Aminabhavi, Thermodynamics, Hydrodynamics of Aqueous Polymer Solutions and Mechanical Characterization of Solid Films of Chitosan, Sodium Alginate, Guar Gum, Hydroxy Ethyl Cellulose and Hydroxypropyl Methyl Cellulose at Different Temperatures. **Carbohydrate Polymers 65 (2006) 9-21**
2. **Venkatesh Mutalik**, Lata S. Manjeshwar, Malladi Sairam T. M. Aminabhavi, Thermodynamic Properties of Tetradecane + Benzene, + Toluene, + Chlorobenzene, + Bromobenzene, + Anisole Mixtures at 298.15, 303.15, and 308.15 K, **Journal of Chemical Thermodynamics, 38 (2006) 1062-1071**
3. **Venkatesh Mutalik**, Lata S. Manjeshwar, T. M. Aminabhavi, Density, Density, Viscosity, Refractive Index, and Speed of Sound Measurements for Mixtures of Anisole with Ethanol, Propan-1-ol, Propan-2-ol, Butan-1-ol, Pentan-1-ol, and 3- Methylbutan-1-ol at (298.15, 303.15, and 308.15) K. **Journal of Chemical Thermodynamics, 38 (2006) 1620-1628.**
4. **Venkatesh Mutalik**, Lata S. Manjeshwar, T. M. Aminabhavi, Excess Molar Volumes, Viscosities and Refractive Indices of Binary Mixtures of Mesitylene with Ethanol, Propan-1-ol, Propan-2-ol, Butan-1-ol, Pentan-1-ol, and 3-Methylbutan-1-ol at (298.15, 303.15, and 308.15) **Journal of Molecular liquids, 129 (2006) 147-154.**
5. Srikant S. Kulkarni, **Venkatesh K. Mutalik**, Mahadevappa Y. Karidurgannavar, Preparation of Poly(Vinyl alcohol) – silicone based hybrid membranes for the Pervaporation separation of water-acetic acid mixtures. **Composite Interfaces, 13 (2006) 523-534.**
6. **Venkatesh Mutalik**, Lata S. Manjeshwar, Ashwini Wali, Malladi Sairam, B. Sreedhar, T. M. Aminabhavi, Thermodynamics, Hydrodynamics of Aqueous Polymer Solutions and

Mechanical Characterization of Solid Films of Poly (vinyl alcohol), Poly (vinyl pyrrolidone), Gelatin, Starch, Carboxymethyl cellulose at Different Temperatures. **Journal of Applied Polymer Science**, **106 (2007) 765 -774**.

7. **Venkatesh Mutalik**, M.A. Phaniband "Synthesis, Characterization, fluorescent and antimicrobial properties of new Lanthanide(III) complexes derived from coumarin Schiff base". **Journal of Chemical and Pharmaceutical Research**, **3(2), (2011) 311 -330**.
8. **Venkatesh Mutalik**, Veeresh C. Gouda and Vardhaman N.B. "Determination of Estimation of Potassium Ion in Dry Fruits by Flame Photometry and Their Proximate Analysis" **Journal of Chemical and Pharmaceutical Research.**, **2011, 3(6):1097-1102**.
9. Narayanachar, S. D. Dhumwad, **Venkatesh K. Mutalik** and P. Vasanth Raj "Synthesis, spectral characterization, antimicrobial and cytotoxicity studies of some lanthanide(III) complexes of quinoline derivatives" **Journal of Chemical and Pharmaceutical Research.**, **2012, 4(7):3446-3453**.
10. JAGADISH G. BARAGI, **VENKATESH K. MUTALIK**, SOMAREDDI B.MEKALI, "MOLECULAR INTERACTION STUDIES IN MIXTURES OF METHYLCYCLOHEXANE WITH ALKANES: A THEORETICAL APPROACH" **International Journal of Pharmacy and Biological Sciences Volume 3| Issue 2 |APR-JUN |2013|185-197**
11. Role of ICT in review of Accreditation Assesment and Academic Audit in today's Higher education. 7<sup>th</sup> and 8<sup>th</sup> January,2017. **Sanshodhana Samiksha page: 22-26 ISSN: 2278-9308 (Proceedings of National Seminar Held at B. G. College, Sangvi, Pune)**.
12. Study Webs of Active Learning For Young Aspiring Minds Making A Digital India. **HR Stram A Journal From the Karnatak University HRD Centre, Dharwad; 4 (6) June-2019**.

### **Conferences (Paper Presentation)**

1. Research Paper entitled "**Preparation of poly (vinyl alcohol)-Silicone Based Hybrid Membranes for the Pervaporation Separation of Water-Acetic Acid Mixtures.**" **International Conference** on Advances in Polymer Blends, Composites, IPNs and Gels Macro to Nano-Scales. **ICBC-2005. Mahatma Gandhi University, Kottayam Kerala, India. During 21-3-2005 to 23-3-2005**.
2. Research Paper entitled "**Aqueous solution and solid film properties of poly(vinyl alcohol), poly(vinyl pyrrolidone), gelatin, starch and carboxymethylcellulose polymers**" presented in **National Conference** organized by **Indian Chemical Society, held at Ambedkar University, Aurangabad from 23-12-2006 to 27-12-2006**.
3. Research Paper entitled "**Physico chemical properties of some aqueous polymer solutions of Chitosan, Sodiumalginate, Guar Gum, HEC and HPMC**" presented in **National Conference** organized by **Indian Chemical Society, held at Mahtma Gandhi Institute of applied Science, Jaipur from 23-12-2007 to 27-12-2007**.
4. Research Paper entitled "**Development of novel pervaporation memberanes for the separation of water-isopropanol mixtures by the incorporation of NaY Zeolite into TEOS cross linked poly(vinyl alcohol)**" presented in **National Conference** organized by Indian Chemical Society, held at **Mahtma Gandhi Institute of applied Science, Jaipur from 23-12-2007 to 27-12-2007**.
5. Research paper entitled "**Synthesis, Characterization, fluorescent and antimicrobial properties of new Lanthanide (III) complexes derived from coumarin Schiff base**" presented in National **Conference** organized by Indian Council of Chemists, held at **Panjab University Chandigarh from 19-12-2010 to 21-10-2010**.
6. Presented a paper entitled **Validation of UV Spectrophotometric Method for the Assay of Glipizide and Comparison of results with RP-HPLC Method** in 34<sup>th</sup> Annual conference of Indian Council of Chemists held at Department of Chemistry, **UKA Tarsadia University, Bardoli, Surat on 26<sup>th</sup> to 28<sup>th</sup> December,2015**.

7. Role of ICT in review of Accreditation Assessment and Academic Audit in today's Higher education. **National Seminar Held at B. G. College, Sangvi, Pune, 7<sup>th</sup> and 8<sup>th</sup> January, 2017.**
8. Presented a paper entitled **A Simple and Rapid UV Spectrophotometric Method for the Estimation of Phenytoin Sodium in Pure and Pharmaceutical samples.** 37<sup>th</sup> Annual conference of Indian Council of Chemists held at Department of Chemistry, NITK Surthkal, Mangalore on 12<sup>th</sup> to 14<sup>th</sup> December, 2018.

#### **Conferences ( Participated)**

1. State Level Conference on **"Biodiversity and Conservation of Angiosperms with Special reference to Endangered, Endemic and Medicinal Plants"** held on 23<sup>rd</sup> and 24<sup>th</sup> March 2007, Sponsored by UGC SWRO, Bangalore and Organised by Department of Botany, J. S. S. College, Vidyagiri, Dharwad.
2. National Conference on **"National Knowledge Commission,s Report"** Organized by Karnataka University College Teachers Association on 4<sup>th</sup> November 2007.

#### **Seminars/ symposium/ workshop**

1. One-Day seminar on "The Recent Trends in the Field of Chemistry, Botany and Zoology" Held at G.H. College, Haveri on 30<sup>th</sup> September, 2003.
2. One day seminar on **"Higher Education- A Review"** on 30<sup>th</sup> May 2006. Organized by Karnatak University College Teachers Association at J.S.S. College, Dharwad.
3. One Day "Teachers Sammelana" Organized by Ramakrishna Vivekanand Ashram, Hubli on 16<sup>th</sup> July 2006.
4. One-day University Level seminar "Save Higher Education" on 3<sup>rd</sup> September 2006. at J.G. College of Commerce, Vidyanagar, Hubli.
5. Second State Level Kannada Vijnyanana Sahitya Sammelana held at Karnataka University, Dharwad from 15<sup>th</sup> September to 17<sup>th</sup> September 2006.
6. A National Work Shop on **"MODERN TRENDS IN ADVANCED ANALYTICAL TECHNIQUES"** held on 8-01-2008 to 10-01-2008 at Nowrosjee Wadia College, Pune.
7. UGC sponsored one day State Level Workshop on **"MICRO-SCALE EXPERIMENTATION IN CHEMISTRY FOR COLLEGE TEACHERS"** held on 7-03-2009 at P.C. Jabin College, Hubli.
8. One day Interactive Workshop on **"NAAC RE-ACCREDITATION PROCESS"** held on 31<sup>st</sup> May 2009 at J. S. S. College, Vidyagiri, Dharwad.
9. Participated in the **"Faculty Development Programme For Undergraduate Teachers(FDP-UG)"** organized by Vision Group on science and Technology, Govt. of Karnataka, held at JNCASR, Jakkur, Bangalore During 1-3 March 2011.
10. One day workshop on **"Teaching Ethics"** Conducted by Kittel Science College, Dharwad on the Occasion of 20<sup>th</sup> Annual Convention of Chem -Forum on 03-04-2011.
11. Participating in one day **"Faculty Empowerment (Training and Retraining) Programme"** under UGC-CPE Programme on **21<sup>st</sup> August 2011** at J. S. S. College, Vidyagiri, Dharwad.
12. UGC sponsored one day State Level Workshop on **"GAS CHROMATOGRAPHY AND ITS APPLICATIONS"** held on 14-02-2012 at J. S. S. College, Vidyagiri, Dharwad.
13. Participating in one day workshop on **"Continuous Evaluation for Quality and Excellence"** organized by the Department of Collegiate Education, Regional Office Dharwad on **28-02-2012** at J. S. S. College, Vidyagiri, Dharwad.
14. NAAC Sponsored National Seminar on **"Lessons Learnt From IQAC: Moving Forward and Making a Difference"** Organized by SDM College Ujire, Dakshina Kannada on 27<sup>th</sup> and 28<sup>th</sup> March 2012.
15. **Invited As a Subject expert** to Conduct interview to appoint PG Teachers in Chemistry at Kendriya Vidyalaya, Dharwad on 22-07-2015.

16. Worked as Chair person for Technical Session of Paper Presentation in UGC Sponsored Two days National Seminar on “ **Applications of polymers on Drugs**” on 21<sup>st</sup> and 22<sup>nd</sup> August 2015 at J. T. College, Gadag.
17. Participated in the discussion on **Examination Reforms in KUD: An interaction with University Administrators** Organized by Karnataka Rajya Mahavidyalaya Shaikshik Sangh on 2<sup>nd</sup> September 2015.
18. Participated and presented a paper entitled “ Management of Organic Waste “ in Two days UGC Sponsored National Seminar on **Recent Trends in Environmental Waste Management held at G. H. College Haveri on 15<sup>th</sup> and 16<sup>th</sup> October, 2015.**

