

## FACULTY PROFILE

### **I) General Information :**

- a) Name : **Dr. Basavaraj Hiremath**
- b) Father Name : Chandrashekhar Hiremath
- c) Date of Birth : 27.05.1975
- d) Designation : Assistant Professor
- e) Department : Chemistry
- f) Area of Specialization : Analytical Chemistry
- b) Address (Residential) : Plot No. 60, Phase I, Gokul Nagar, G.D.A.  
Layout, Near Lal Hanuman Temple,  
Shabazar, Gulbaraga – 585 101
- g) Award : 1) **“Best Teacher Award”** Sharanabasaveshawar  
Vidya Vardhak Sangha, Gulbarga Science  
Academy, Muktabika Residential PU  
College for Girls, Gulbarga, 2009-10

## II) Academic Qualification

Sl. No.	Exam Passed	Board / University	Subjects	Year
1	High School	Karnataka S.S.L.C. Board of Examination Bangalore	Kannada, English, Hindi, Science, Social Science and Mathematics	1991
2	Higher Secondary or Pre Degree	Pre-University Board of Education Bangalore	Physics, Chemistry, Mathematics, Biology	1993
3	Bachelor's Degree(s)	Gulbarga University, Gulbarga – 585 106	Physics, Chemistry, Mathematics	1996
4	Master's Degree	Gulbarga University, Gulbarga – 585 106	Chemistry	1998
6	Ph. D.	Gulbarga University, Gulbarga – 585 106	Chemistry	2008

## III) Orientation & Refresher Courses Attended :

Sl. No.	OC/RC	Date	Place	Grade
1	78 <sup>th</sup> Orientation Programme	20 <sup>th</sup> Sep to 17 <sup>th</sup> Oct, 2012	Central University, Hyderabad	'B'
2	Refresher Course in Chemistry	21 <sup>st</sup> Aug to 10 <sup>th</sup> sep, 2014	Central University, Hyderabad	'A'

#### IV) Teaching Experience:

Course Taught	Name of the Institution	Duration
U.G (B.Sc.)	1. G.P. Porwal and V.V. Salimath Degree College, Sindagi, Dist. Baijapur.	2 years (2009-2011).
	2. H.K.E.S's, A.V.Patil Degree College, Aland – 585 302	Feb, 2012 to till date.
M.Sc.(P.G.)	Department of Chemistry, Gulbarga University, Gulbarga – 585 106	3 years (2005 – 2007)

#### V) Research Experience :

Details of Ph. D., M. Phil., Publications, Minor & Major Research projects undertaken, Ph. D. Guide ship details etc.

Sl. No.	Degree	Topic	Year	Remarks
2	Ph.D.	“Quantitative Estimation of Some Drugs Containing Heterocyclic Molecules by New Analytical Methods”	2008	
3	Research Papers	Enclosed Encls. No. 1		
4	M. Phil Guide ship			
5	Ph. D. Guide ship			
6	MRP			

**VI) Other Trainings :**

Sl. No.	Training	Date	Place
1	Analytical Training on HPLC, GC, LC-MS, UV and IR instruments	5 <sup>th</sup> Nov, 2007 to 4 <sup>th</sup> Feb, 2008	Ogene Systems (I) Pvt. Ltd., # 11-6-56, G.S.R. Estates, Balanagar, Hyderabad
2			
3			
4			

**VII) Seminars , Conferences, Symposia Workshops etc. attended :**

Sl. No.	Name of the Seminar/Conference/Symposium workshop etc.	Name of the Sponsoring Agency	Place and Date.
1	Enclosed Encls. No.2		

**VIII) Innovations / Contributions in Teaching :**

Sl. No	Design of Curriculum	
1	Teaching methods	Using LCD projector for lecture and also for the student seminars.
2	Laboratory experiments	Hands on experience provided to the students, usage other methodology to obtain good yield, result and performing early with the existing processes.
3	Evaluation methods	By questionnaires.
4	Preparation of resource material Including books, reading materials Laboratory manuals etc.	Preparation with respect to the pertinent has been taking place in accordance with syllabus of Gulbarga University, Gulbarga – 585 302

5	Remedial Teaching / Student Counseling ( academic )	Every semester weaker students have been allied before the conduct of internal test; difficulty and problems in the subject have been discussed in detail.
6	Any other	<ol style="list-style-type: none"> <li>1. Seminars on different chapters with respect to the chemistry syllabus as per the Gulbarga University, Gulbarga have been conducted using LCD projector.</li> <li>2. <b>Conducted UGC Sponsored two days National Level Seminar on “The Role of Chemistry in Nano World” from the Department of Chemistry, held during 4<sup>th</sup> and 5<sup>th</sup> March, 2013, I was the Organizing Secretary.</b></li> </ol>

### IX) Extension Work / Community Services :

a) Short account of Contribution to

1. Community work values in National Integration. I have been voluntarily accepted the charge of NCC Care taker in the college campus since May, 2012 to May, 2015

b) Participation of Corporate Life:

i) College :

- a. Internal Quality Assurance Committee member: Yes
- b. Chief Editor of HKES, A. V. Patil College Aland, News Letter: Yes
- c. Organizing Secretary for UGC Sponsored two day national seminar on “The Role of Chemistry in Nano World”.

c) Student Welfare and Discipline :

Membership/Participation in Bodies Committees on Education and national Development

b) Membership :

1. GUPTA- Karnataka: **Yes**

c) Participation in Bodies Committees on Education:

1. AIDS Awareness Camp: Yes
2. Voting Awareness Jatha : Yes

## **Enclosure No. 1**

### **Research Publications:**

1. **Hiremath, B.**, and Mruthyunjayaswamy, B.H.M., Development and validation of High-Performance liquid chromatographic determination of ceftriaxone sodium and its application to drug quality control. ***Analytical Letters***. 42: 2180-2191 [2009].
2. **Hiremath, B.**, and Mruthyunjayaswamy, B.H.M. Development and validation of spectrophotometric methods for determination of ceftazidime in pharmaceutical dosage forms. ***Acta Pharma***. 58: 275-285 [2008].
3. Rahaman, F., **Hiremath, B.**, Basavarajaiah, S.M., and Mruthyunjayaswamy, B.H.M. Synthetic, spectral, thermal and antimicrobial activity studies of some transition metal complexes derived from 2-hydroxy-methylbenzaldehyde *N*-(4'-phenyl-1',3'-thiazol-2'-yl)semicarbazone. ***J. Indian Chem. Soc.***, 85: 381-386 [2008].
4. **Hiremath, B.**, and Mruthyunjayaswamy, B.H.M. Development and validation of spectrophotometric methods for the determination of cefetamet in pharmaceutical dosage forms. ***Chin. J. Chem.***, 25[12]: 1827-1831[2007].
5. **Hiremath, B.**, and Mruthyunjayaswamy, B.H.M. New spectrophotometric methods for the determination cefetamet in pharmaceutical preparations. ***Anal. Chem. An Indian J.*** 5[1-6]: 15-20 [2007].
6. **Hiremath, B.**, and Mruthyunjayaswamy, B.H.M. Spectrophotometric determination of a phenolic  $\beta$ -Lactum antibiotic in pure forms and in their pharmaceutical formulations. ***J. Indian Council Chem.***, 24[1]: 85-89 [2007].
7. Mruthyunjayaswamy, B.H.M., **Hiremath, B.**, Appala Raju, S., and Mali Patil, S.M. Spectrophotometric Estimation of Cefetamet Pivoxil in Pharmaceutical Formulations. ***A. J. of Chemistry***. 19[5]: 3775-3779 [2007].

8. Mruthyunjayaswamy, B.H.M., **Hiremath, B.**, Appala Raju, S., and Mali Patil, S.M. Spectrophotometric Estimation of Ceftazidime in Pure and Pharmaceutical Forms. **A. J. of Chemistry.** 19[5]: 3770-3774 [2007].
9. **Hiremath, B.**, and Mruthyunjayaswamy, B.H.M. Development and validation of spectrophotometric methods for the determination of ceftriaxone sodium in pharmaceutical dosage forms. **J. Indian Council Chem.**, 23[2]: 111-115 [2006].
10. Mruthyunjayaswamy, B.H.M., **Hiremath, B.**, Mali Patil, S.M., and Appala Raju, S. Simple and sensitive spectrophotometric methods for the determination of cefotaxime sodium. **J. Indian Council Chem.**, 23[2]: 120-123 [2006].
11. Mruthyunjayaswamy, B.H.M., **Hiremath, B.**, Appala Raju, S., and Mali Patil, S.M. Spectrophotometric determination of ceftriaxone sodium. **J. Indian Council Chem.**, 23: 1-4 [2006].
12. Mruthyunjayaswamy, B.H.M., **Hiremath, B.**, and Appala Raju, S. Spectrophotometric determination of ceftriaxone sodium. **Int. J. Chem. Sci.**, 4[4]: 791-796 [2006].
13. Mruthyunjayaswamy, B.H.M., **Hiremath, B.**, and Appala Raju, S. New spectrophotometric methods for the determination of cefotaxime sodium in pure and in pharmaceutical dosage forms. **Int. J. Chem. Sci.**, 4[4]: 997-1003 [2006].



## Enclosure No. 2

### Papers presented in Conferences/Symposia

1. Basavarajaiah, S.M., **Hiremath, B.**, Mruthyunjayaswamy, B.H.M., and Purohit, M.G. Biological activities of bark of syzigium cumini linn. [2007] National Conference on medicinal and Aromatic plants [Theme: Medicinal plants in health care system], held in the Department of P.G. studies and Research in Botany, Gulbarga University, Gulbarga, December 10<sup>th</sup>-12<sup>th</sup>.
2. Basavarajaiah, S.M., **Hiremath, B.**, Rahaman, F., Mruthyunjayaswamy, B.H.M. Synthesis of indole-2-carboxyhydrazide derivatives and their antimicrobial activities. [2007] National Conference on Emerging Areas in Chemical and Biological Sciences held at Department of Chemistry and Industrial Chemistry, Kuvempu University, Shankarghatta, Shimoga, during March 23<sup>rd</sup>-24<sup>th</sup>.
3. Rahaman, F., **Hiremath, B.**, Basavarajaiah, S.M., Razak, G.S., and Adheerkumar, N., Mruthyunjayaswamy, B.H.M. Synthesis and antimicrobial activity of schiff base complexes of Copper(II), Nickel(II), Cobalt(II) and Zinc(II) derived from 5-chloro-3-methyl-N'-[(1*E*)-1-(2-oxo-2*H*-chromen-3-yl)ethylidene]-1*H*-indole-2-carbohydrazide. [2007] National Conference on Emerging Areas in Chemical and Biological Sciences held at Department of Chemistry and Industrial Chemistry, Kuvempu University, Shankarghatta, Shimoga, during March 23<sup>rd</sup>-24<sup>th</sup>.
4. **Hiremath, B.**, Rahaman, F., Basavarajaiah, S.M., and Mruthyunjayaswamy, B.H.M. Spectrophotometric determination of phenolic b-Lactam antibiotic in pure forms and in their pharmaceutical formulations. [2007] National Conference on Emerging Areas in Chemical and Biological Sciences held at Department of Chemistry and Industrial Chemistry, Kuvempu University, Shankarghatta, Shimoga, during March 23<sup>rd</sup>-24<sup>th</sup>.
5. Rahaman, F., **Hiremath, B.**, Razak, G.S., Adheerkumar, N., and Mruthyunjayaswamy, B.H.M. Synthesis, spectral, x-ray powder diffraction and thermal studies on Copper(II), Nickel(II) and Cobalt(II) complexes using schiff base derived from 5-chloro-2-hydroxy benzaldehyde N-(4-phenyl-1, 3-thiazol-2-yl)semicarbazone. [2007] National conference on Advances in Materials Science, held at Department of Materials Sciences, Gulbarga University, Gulbarga, during January 27<sup>th</sup>-28<sup>th</sup>.

6. **Hiremath, B.**, Rahaman, F., and Mruthyunjayaswamy, B.H.M. Spectrophotometric methods for the estimation of cefotaxime sodium in pharmaceutical formulations. [2007] National conference on Advances in Materials Science, held at Department of Materials Sciences, Gulbarga University, Gulbarga, during January 27<sup>th</sup>-28<sup>th</sup>.
7. Mruthyunjayaswamy, B.H.M., **Hiremath, B.**, Appala Raju, S., and Mali Patil, S.M. [2006] Spectrophotometric determination of ceftriaxone sodium. National Conference on Chemical Sciences for Industry and Society Emerging trends for the third millennium, held at Kuvempu University, Shankarghatta, Shimoga during January 6<sup>th</sup>-8<sup>th</sup>.

### **Conference/ Workshops attended:**

1. KSTA Conference on “*Energy Climate Change and Environment*” held at The school of Earth Sciences, Central University of Karnataka, Kadaganchi, Kalaburagi, during January 29<sup>th</sup> and 30<sup>th</sup> 2016.
2. KSTA Conference on “*Science and Technology for Disaster Management*” held at The school of Earth Sciences, Central University of Karnataka, Kadaganchi, Kalaburagi, during January 22<sup>nd</sup> and 23<sup>rd</sup> 2015.
3. UGC Sponsored National Seminar on “*Sustainable Chemistry in Tackling Global warming (SCGW-2014)*” held at H.K.E.S’s Shri. Prabhu Arts, Science and J.M.Bohra Commerce Degree College, Shorapur, Dist. Yadagiri, Karnataka, during September 19<sup>th</sup> and 20<sup>th</sup>, 2014.
4. UGC Sponsored National Seminar on “*Recent Trends in Biodiversity of India*” held at H.K.E.S’s Muluk Sherier Irani Degree College for Arts, Science and Commerce, Gulbarga, during March 11<sup>th</sup> and 12<sup>th</sup>, 2014.
5. UGC Sponsored National Seminar on “*Quality Consciousness and Culture in Higher Education*” at H.K.E.S’s Smt. V. G. Degree College for Women, during February 21<sup>st</sup> and 22<sup>nd</sup> 2014.
6. UGC Sponsored National Seminar on “*The Role of Chemistry in Nano World*” at H.K.E.S’s A.V. Patil Arts, Science and Commerce Degree College, Aland, during March 4<sup>th</sup> and 5<sup>th</sup> 2013.
7. UGC Sponsored National Seminar on “*Water Resource Management in India: Problems and Prospects*” at Nrupatunga First Grade College, Sedam, Dist. Gulbarga, Karnataka, during February 24<sup>th</sup> and 25<sup>th</sup> 2012.
8. UGC Sponsored National Seminar on “*Recent Trends in Biodiversity of India*” at H.K.E.S’s A.V. Patil Arts, Science and Commerce Degree College, Aland, during September 6<sup>th</sup> and 7<sup>th</sup> 2011.
9. UGC Sponsored National Seminar on “*Diverse Molecular Architecture and Novel Reactions*” at H.K.E.S’s B.V. Bhoomareddi Arts, Science and Commerce Degree College, Bidar, Karnataka, during March 28<sup>th</sup> and 29<sup>th</sup> 2009.

10. Two Days State Level Conference on “*Emerging Trends in medicinal Chemistry and Drug Designing*” held at P.G. Department of Medicinal Chemistry, Sri. Dharmasthala Manjunatheshwara College (Autonomous) Ujire, Dist. Shimoga, Karnataka, during March 6<sup>th</sup> and 7<sup>th</sup> 2009.
11. CSIR Sponsored National conference on “*Recent Advances in Chemical Research*” at Department of Chemistry, Osmania University, Hyderabad, A.P., during February 6<sup>th</sup>-7<sup>th</sup> 2009
12. National Conference on “*Medicinal and Aromatic Plants*” at Department of P. G. Studies and Research in Botany, Gulbarga University, Gulbarga, Karnataka, during December 10<sup>th</sup> and 12<sup>th</sup>, 2007.
13. National Conference on “*Emerging Areas in Chemical and Biological Sciences (NCEAB-2007)*” at School of Chemical Sciences, Department of Chemistry and Industrial Chemistry, Jnana Sahyadri, Shnakarghatta, Shimoha, Karnataka, March 10<sup>th</sup> and 12<sup>th</sup>, 2007.
14. National Conference on “*Advances in Materials Science (AMS - 2007)*” at Department of Material Science, Gulbarga University, Gulbarga, Karnataka, January 27<sup>th</sup> and 28<sup>th</sup>, 2007.
15. International Seminar on “*Emerging Trends in Advanced Drug Delivery System*” held at Department of Pharmaceutics Luqman College of Pharmacy, Gulbarga, during January 20<sup>th</sup> and 21<sup>st</sup>, 2007.
16. National Conference on “*Role of Green Chemistry in the Emerging Areas of Applied Sciences*” held at Department of Chemistry Shrikrishna Mahavidyalaya, Gunjoti, Omerga [Tq.], Osmanabad [Dist.], Maharashtra, during January 6<sup>th</sup>-7<sup>th</sup> 2007.
17. Seminar on “*Advances in Materials Science*” held at Department of Materials Science, Gulbarga University, Gulbarga, during 9<sup>th</sup>-10<sup>th</sup>, January 2006.
18. National Conference on “*Chemical Sciences for the Industry and Society on Emerging Trends for the 3<sup>rd</sup> Millennium*” at Department of Industrial Chemistry, Jnana Sahyadri, Shnakarghatta, Shimoha, Karnataka, January 6<sup>th</sup> and 8<sup>th</sup>, 2006.