

BIO-DATA

- 1. Name** : Vijayalaxmi. B. Patil
- 2. Father's Name** : Baswantrao. D. Patil
- 3. Date of Birth** : 24 - 12 - 1984
- 4. Nationality** : Indian
- 5. Languages known** : Kannada, English & Hindi
- 6. Permanent Address** : Vijayalaxmi D/O Baswantrao Patil
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- 7. Address for Communication** : Vijayalaxmi D/O Baswantrao Patil
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Karnataka, INDIA.
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- 8. Educational Qualification** : M. Sc., M. Phil., Ph. D.,

Degree	College & University	Year	Class / (%)
B. Sc. (PCM)	Sharanabasaveshwar College of Science, Gulbarga. Gulbarga University, Gulbarga	2004	First Class (62.64%)
M. Sc. (Chemistry) Specialization: Physical Chemistry	Department of Chemistry, Gulbarga University, Gulbarga	2006	First Class (66.54%) First Rank with Gold Medal
M. Phil.	Department of Chemistry, Gulbarga University, Gulbarga Topic: Studies on Stability Constants of Metal Complexes of Novel Quinazoline Schiff's Base	2007	First Class with Distinction (71.00%)

Ph. D.	Department of Chemistry, Gulbarga University Gulbarga Topic: Synthesis and Characterization of Metal Complexes with Schiff's Bases	2012	-----
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9. Scholarship awarded

**UGC Research Fellowship for meritorious students under RFSMS Scheme
From 18th Feb 2009 to 17th Feb 2011.**

10. Teaching Experience

- 1. Lecturer in Chemistry, from 04 – 07 - 2006 to 30 – 03 - 2008 in Department of Chemistry, Sharanabasaveshwar College of Science, Gulbarga.**
- 2. Guest Lecturer in Physical Chemistry, from 10 – 07 - 2007 to 25 – 05 - 2011 in Department of Chemistry, Gulbarga University, Gulbarga.**
- 3. Guest Lecturer in Chemistry, from 26 – 08 - 2022 to 13 – 11 - 2022 in Department of Chemistry, Raichur University, Raichur.**
- 4. Guest Lecturer (Full time) in Chemistry, from 10 – 01 - 2023 to 30 – 10 - 2024 in Department of Chemistry, Raichur University, Raichur.**

11. Research Areas

- 1. Solution State Studies**
- 2. Coordination Chemistry**

12. LIST OF RESEARCH PUBLICATIONS

1.	pH-metric Investigation on the Complexation Behaviour of Some Metal ions with 3-{[(1E)-(2-hydroxy-1-naphthyl)methylene]amino}-2-phenylquinazoline-4(3H)-one Schiff's base M. B. Halli, Vijayalaxmi. B. Patil , P. Vithal Reddy and B. A. Jumnal <i>J. Ind. Council Chem</i> , 27 (2010) 217-222.
2.	Synthesis, characterization, and biological activity of complexes derived from E-N'-(3, 4, 5 trimethoxybenzylidene)benzofuran-2-carbohydrazide and ortho-phenylenediamine / 2, 6-diaminopyridine M. B. Halli, Vijayalaxmi. B. Patil , Mallikarjun Kinni and R. B. Sumathi <i>J. Coord. Chem</i> , 64 (2011) 651-662.

3.	Synthesis, spectroscopic, thermal, and biological activities of mixed ligand complexes containing E-N'-(3,4,5-trimethoxybenzylidene)benzofuran-2-carbohydrazide and 2-aminothiophenol M. B. Halli & Vijayalaxmi. B. Patil <i>J. Coord. Chem</i> , 64 (2011) 3740-3750.
4.	Synthesis, characterization, and biological activity studies of (E)-N' -((thiophen-2-yl)methylene)benzofuran-2-carbohydrazide and its metal(II) Complexes Madappa. B. Halli, Vijayalaxmi. B. Patil and Sumathi. R. B <i>Turk. J. Chem</i> , 35 (2011) 393 – 404.
5.	Synthesis, spectral characterization and DNA cleavage studies of Co(II), Ni(II), Cu(II), Zn(II), Cd(II) and Hg(II) complexes with benzofuran-2-carbohydrazide Schiff bases M. B. Halli & Vijayalaxmi. B. Patil <i>Indian J. Chem</i> , 50A (2011) 664-669.
6.	Synthesis, characterization, antimicrobial activity and DNA cleavage activity studies of Metal (II) complexes with a benzofuran Schiff's base Halli M. B and Patil Vijayalaxmi. B <i>Res. J. Chem. Environ</i> , 15 (2011) 67-73.
7.	Synthesis, characterisation and biological activity of mixed ligand metal (II) complexes derived from benzofuran -2 - carbohydrazide schiff base and malonyldihydrazide M. B. Halli, Vijayalaxmi. B. Patil , R. B. Sumathi and Kinni. Mallikarjun <i>Der Pharma Chemica</i> , 4 (2012) 2360-2367.
8.	Synthesis, Characterization and Spectral Studies of Metal(II) Complexes with Benzofuran-2-Carbohydrazide Schiff's Bases M. B. Halli, Z. S. Qureshi, P. Vithal Reddy, B. A. Jumnal and Vijayalaxmi. B. Patil <i>J. Ind. Council Chem</i> , 25 (2008) 1-6.
9.	Synthesis, Characterisation and Biological Activity of Mixed Ligand Complexes Derived from E-N'-(3, 4, 5,-trimethoxybenzylidene)Naphthal[2, 1-b]Furan-2-carbohydrazide and 2-amino pyridine / 2, 2'-bipyridyl M. B. Halli, P. Vithal Reddy, K. Shivakumar, A. Basavaraja, B. A. Jumnal and Vijayalaxmi. B. Patil <i>J. Ind. Council Chem</i> , 27 (2010) 58-64.
10.	Synthesis, Characterization and Thermal Decomposition Studies of Biologically Active Mixed Ligand Complexes Derived from Benzofuran-2-Carboxylic acid (2-Oxo-1, 2-dihydro-indol-3-ylidene) Hydrazide and Acetylacetone, 1, 10-Phenanthroline and 2, 2'-Bipyridyl M. B. Halli, B. A. Jumnal, P. Vithal Reddy, K. Shivakumar, Vijayalaxmi. B. Patil and Basavaraja Angadi <i>Asian Journal of Chemistry</i> , 23 (2011) 189-194.

11.	<p>Solution Equilibrium Studies on Metal(II) Complexes with 3-Amino-2-benzofurancarboxamide Schiff Base</p> <p>M. B. Halli, Kinni. Mallikarjun, Vijayalaxmi. B. Patil and R. B. Sumathi</p> <p><i>Asian Journal of Chemistry</i>, 23 (2011) 4303-4306.</p>
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13. PAPERS PRESENTED AT CONFERENCES / CONVENTIONS

1.	<p>Studies on mixed ligand complexes of metal(II) ions with benzofuran-2-carboxylic acid(2-oxo-1, 2-dihydro-indol-3-ylidene)-hydrazide and 2-aminopyridine</p> <p>M. B. Halli, B. A. Jumnal, Vijayalaxmi. B. Patil and P. Vithal Reddy</p> <p>Presented at 26th ICC conference held at Dr. H. S. Gour University, Sagar, Feb. 2008.</p>
2.	<p>Equilibrium studies of some metal complexes with novel benzofuran Schiff's base</p> <p>P. Vithal Reddy, B. A. Jumnal, Vijayalaxmi. B. Patil and M. B. Halli</p> <p>Presented at 26th ICC conference held at Dr. H. S. Gour University, Sagar, Feb. 2008.</p>
3.	<p>Synthesis, Characterisation and Antimicrobial activity of metal(II) complexes with benzofuran-(3-methoxy-4-hydroxylmethine)carbohydrazide</p> <p>M. B. Halli, B. A. Jumnal, P. Vithal Reddy, A. Basavaraja, K. Shivakumar and Vijayalaxmi. B. Patil</p> <p>Presented at 27th ICC Conference held at Haridwar, Dec. 2008.</p>
4.	<p>pH-Metric Studies on Complex formation of Co(II), Ni(II), Cu(II), Zn(II), Cd(II), Hg(II), Mg(II), UO₂(II) and Th(IV) with Schiff's base</p> <p>M. B. Halli, Vijayalaxmi. B. Patil, P. Vithal Reddy, B. A. Jumnal, K. Shivakumar and A. Basavaraja</p> <p>Presented at 27th ICC Conference held at Haridwar, Dec. 2008.</p>
5.	<p>Synthesis and Characterisation of Metal(II) complexes with 2-hydroxyphen-1-methanimino-(-2-benzofuran)acetimine</p> <p>M. B. Halli, A. Basavaraja, P. Vithal Reddy, B. A. Jumnal, K. Shivakumar and Vijayalaxmi. B. Patil</p> <p>Presented at ICFCR-2008 held at Mangalore University, during 29th – 31st Dec. 2008, PP-57</p>
6.	<p>Potentiometric and Thermodynamic properties of some Metal ions with Biologically active compound, 2-phenyl-3-(2'-hydroxy-5'-methoxybenzylidene)-quinazoline-4-(3H)-one Schiff's base in ethanol-water medium at 30 ± 0.1⁰C and at different ionic strengths</p> <p>M. B. Halli, K. Shivakumar, P. Vithal Reddy, Vijayalaxmi. B. Patil, A. Basavaraja and B. A. Jumnal</p> <p>Presented at ICFCR-2008 held at Mangalore University, during 29th – 31st Dec. 2008, PP-58</p>
7.	<p>Synthesis and characterization of metal complexes with the Schiff's base derived from benzofuran-2-carbohydrazide and 1-Naphthaldehyde</p> <p>M. B. Halli and Vijayalaxmi. B. Patil</p> <p>Presented at National conference on the emerging areas in chemistry (NACEAC – 2009), held at Manasagangothri, Mysore, during 31st July to 1st Aug. 2009, OP – 17</p>

8.	Synthesis and characterization of Metal(II) complexes with the Schiff's base derived from benzofuran-2-carbohydrazide and 6-Methoxy-2-Naphthaldehyde M. B. Halli, Vijayalaxmi. B. Patil , R .B. Sumathi and K. Mallikarjun Presented at 28 th Annual conference of Indian council of Chemists, held at Hemchandracharya North Gujarat University, Patan, during 7 th - 10 th Nov. 2009, IP-15
9.	Synthesis and characterization of mixed ligand metal(II) complexes derieved from Schiff's base and ortho-phenylenediamine M. B. Halli and Vijayalaxmi. B. Patil Presented at International conference on current trends in chemistry and biochemistry, held at Bangalore university, Bangalore, during 18 th – 19 th Dec. 2009, P-78
10.	pH-metric determination of stability constant of metal(II) complexes with Schiff's base M. B. Halli, K. Mallikarjun, Vijayalaxmi. B. Patil and R. B. Sumathi Presented at Two days national symposium on Frontier areas in chemical science and nanotechnology (NSFACNT-2010), during 1 st – 2 nd May 2010.
11.	Synthesis and characterization of metal(II) complexes derived from benzofuran-2-carbohydrazide and pyridine-2-aldehyde and their biological activity studies M. B. Halli, Vijayalaxmi. B. Patil , Kinni. Mallikarjun and Sumathi. R. B Presented at 29 th annual conference of Indian council of Chemists, held at Panjab University, Chandigarh, during 19 th - 21 st Dec. 2010, IO-34
12.	Synthesis, characterization and spectral studies of metal(II) complexes with Schiff's base derived from benzofuran-2-carbohydrazide and 4-(dimethylamino)benzaldehyde M. B. Halli, B. A. Jumnal, Z. S. Qureshi, Vijayalaxmi. B. Patil , Mallikarjun Kinni, P. Vithal reddy and K. Shivakumar Presented at International Conference and 47 th Annual Convention of Chemists, 2010, held at Raipur, Chhattisgarh, during 23 rd – 27 th Dec. 2010, ING (OP)-13
13.	Synthesis and characterization of Mixed ligand complexes derived from Benzofuran Schiff's base and 2, 6-diaminopyridine M. B. Halli, Vijayalaxmi. B. Patil , Kinni. Mallikarjun and Sumathi. R. B Presented at the 98 th Science Congress held at SRM University Chennai, during 3 rd – 7 th Jan. 2011.
14.	Synthesis, Spectroscopic, Biological activity and DNA Cleavage activity studies of Benzofuran Schiff's base with some Transition Metals M. B. Halli, Ravindra. S. Malipatil, K. Shivakumar and Vijayalaxmi. B. Patil Presented at the 98 th Science Congress held at SRM University Chennai, during 3 rd – 7 th Jan 2011.
15.	Synthesis, Spectral Characterization and Biological Activity of Mixed Ligand Metal Complexes Vijayalaxmi. B. Patil and M. B. Halli Presented at Two Day National Conference On Multidisciplinary Research: Prospects and Challenges (NCMDRPC-2024), held at Raichur University, Raichur, during 28 th - 29 th February 2024.

Date:

Place:

(Vijayalaxmi.B. Patil) 5

