

# CURRICULUM VITAE



- 1. Name** : **Dr. SHREEDHAR D. DHUMWAD**  
**2. Dept.** : **CHEMISTRY**  
**3. Date of Birth** : **12-8-1965**  
**4. Date of appointment** : **1<sup>st</sup> July 1997.**  
**5. Present designation** : **Associate Professor and HOD.**  
**6. Qualifications** : Ph.D.
- Title of the Thesis** : 'Studies on metal complexes of biologically active Ligands'  
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## 7. Research Group

Name of the student	Corse	Registration	Award/submitted
M.A.Phaniband(regular)	PhD	10-04-2006	Awarded Dec 2010
Krishna M.Patagar	M.Phil	June 2007	Oct 2008
Narayanachar (vocational)	PhD	19-01-2008	Awarded 2014
Pulin Nath	PhD	22-10-2008	Awarded 2016

## 8. Membership of Professional Organization

- ❖ Chair member of the advisory council of Chemistry Department, J.S.S. College Dharwad. Since 2004.
- ❖ Life member of Indian Nuclear Society, Anushakti Nagar, BARC, MUMBAI Since 2004
- ❖ Life member of Indian Council of Chemist Since 2010
- ❖ Nominated as a member of board of studies in chemistry for U.G. studies in an autonomous P.C.Jobin Science College, Hubli, since 10.01.2014.
- ❖ Elected as a life member of the Indian chemical Society Kalkatta since 25.03.2014.

## **9. Orientation / Refresher Courses Attended**

- ❖ U.G.C. Sponsored Orientation Course at Karnatak University, Dharwad from 13-12-2000 to 09-01-2001.
- ❖ U.G.C. Sponsored Refresher Course at Mysore University from 18-09-2001 to 08-10-2001.
- ❖ U.G.C. Sponsored Refresher Course at Karnatak University, Dharwad from 01-02-2005 to 21-02-2005.

## **10. Conference / Seminar / Workshop/Miscellaneous attended**

### **1998**

- ❖ Attended annually one-day conference of the Chem. Forum of the Karnatak University Dharwad since 1998.

### **2003**

- ❖ Attended 22<sup>nd</sup> conference of Indian Council Of Chemist held at IIT Roorkee on 17-19 Oct 2003.

### **2005**

- ❖ One-day workshop on transacting the syllabus at the semesterised U.G. courses dated 22-07-2005 conducted by Department of Chemistry, K.U.D.
- ❖ One-day workshop on Curriculum development in Chemistry dated 22-12-2005 conducted by P.C. Jabin Science College, Hubli.

### **2006**

- ❖ Resource person to deliver lecture on CET – 2006 from 24 and 25, April 2006 in Karnatak Pre University College, Bidar.
- ❖ Worked as a Judge for Seminar / Exhibition Competition of inter collegiate on 07-10-2006 in Kittel Science College, Dharwad.
- ❖ One-day seminar on Atomic Energy for development at the nation dated 02-09-2006 conducted by Karnatak Science College, Dharwad.
- ❖ Two-days national seminar on Technology enabled Teaching Learning process in Collegiate Education dated 11<sup>th</sup> and 12<sup>th</sup> October, 2006 conducted by RBANM's First Grade College, Bangalore.

### **2007**

- ❖ Member of Organizing Committee in one day workshop on personality Development. Career Guidance and communication skills, organized by Karnatak Science College, Dharwad. On 20<sup>th</sup> March, 2007
- ❖ Participated in Extension Achvities and Awareness Programmes, sponsored by UGC conducted by the Dept. of chemistry K.C.D at Kanavi Honnapur village, Dist: Dharwad on 24-03-07.
- ❖ Participated as a resource person in the function on world Aids Day on 1-12-2007 at 'Sir Jagadish Chandra Bose Science Centre, Govt. High School, Yereboodhihal, Dist. Dharwad.

- ❖ Two-days workshop in Trainers Training Program on Career Counseling organized by Vidya Poshak, Dharwad, dated 2<sup>nd</sup> and 3<sup>rd</sup> Dec. 2007.
- ❖ Attended and presented a paper in 44<sup>th</sup> annual convention of chemist in Mahatma Gandhi Institute Applied Science, Jaipur 23 to 27, 2007.

### **2008**

- ❖ One-day workshop in Chemistry at J.S.S. Arts, Science and Commerce College Gokak dated 27-1-08.
- ❖ One-day UGC sponsored seminar on Recent Trends in Chemistry at Karnatak University Dharwad dated 18-2-2008.
- ❖ Attended as a resource Person In one day training on First Aid and laboratory maintenance arranged for non teaching staff on 31 August 2008.
- ❖ Attended The 45<sup>th</sup> Annual convention of chemist in and Inter National Conference on Recent Advances In Chemistry held at KUD from 23 to 27 Nov 2008.
- ❖ Young Scientist award is given to Mr. M.A.Phaniband in the 45<sup>th</sup> Annual convention of chemist in and Inter National Conference on Recent Advances In Chemistry held at KUD from 23 to 27 Nov 2008.
- ❖ Attended The 27<sup>th</sup> Annual conference of Indian Council of Chemists held at Dept of Chemistry, Gurukul Kangri Vishwavidyalaya, Haridwar on Dec 26 to 28 2008.

### **2009**

- ❖ Attended as resource person in One day work shop for High School Teachers conducted by Education Department Kundugol on 9-01-2009.
- ❖ Participated in One day State Level Work Shop on Micro-Scale Experiment in Chemistry for College Teachers on 7<sup>th</sup> Mar 2009 held at P.C.Jobin.College. Hubli.
- ❖ Presented a paper at National Conference on Protection and Conservation of wet lands in India held on 17 to 18 August 2009 in Nehru Arts and Science College Hubli.
- ❖ Attended as resource person in One day work shop for High School Teachers conducted by Karnatak Science and Technical Academy Bangalore in association with DDPU Dharwad on 16 and 17 Dec 2009.

### **2010**

- ❖ Worked as Examiner and other confidential work of B.Sc Semester end Examination, Jan-2010 in P.C.Jabin Science College Hubli (Autonomous).
- ❖ Arranged the M.Sc Sem-I practical Examination on 19-01-2010.
- ❖ Participated in the UGC Sponsored National Seminar on Recent Advances in Chemistry organized by PG Department of Studies in Chemistry KUD on 18<sup>th</sup> March 2010.

- ❖ Participated in 19<sup>th</sup> Annual convention of Chemistry forum held at SDM College Hannavar on 4<sup>th</sup> April 2010.
- ❖ Attended the paper setting work, practical work and valuation work in PC.Jabin Science College (autonomous) between April and June 2010.
- ❖ Worked as coordinator for UG central valuation work at Karnatak Science College Dharwad.
- ❖ Appointed as student welfare officer on 28-07-2010.
- ❖ Worked as Coordinator in conducting INSPIRE Camp for PUC-II students from 2 to -7th August 2010.
- ❖ Acted as a chief Guest in the Inauguration of Science club of Pavan English Medium School Dharwad.
- ❖ Delivered a talk on Periodic table and chemical reactions for the high school teachers conducted by Block education office in Kundagol on 7<sup>th</sup> Sept. 2010.
- ❖ Attended the motivational workshop for senior faculty conducted by Academic Staff College KUD from 9 to 13<sup>th</sup> November 2010.
- ❖ Attended and presented the paper in 47<sup>th</sup> Annual conversion of Chemists and international conference on recent advances in chemical sciences at Ravishankar Shukla University Raipur (Chhattisgarh) on 23-27- December 2010.
- ❖ One of my research student Shri. M.A Phaniband has awarded Ph-D. Degree on 11<sup>th</sup> December 2010
- ❖ Worked as Examiner and other confidential work of B.Sc Semester end Examination, in P.C.Jabin Science College Hubli (Autonomous).

### **2011**

- ❖ Worked as Deputy Superintendent for conducting M.Sc sem I and III theory examination from 8-01-2011 on wards.
- ❖ Attended one day work shop as a resource person on 26-03-2011 held at JSS College Dharwad to revise and restructure of B.Sc degree syllabus in Chemistry practical's of KUD.
- ❖ Attended one day work shop on teaching ethics conducted by Kittle Science College Dharwad on the occasion of XX annual convention of chem. Forum on 3-04-2011.

- ❖ Attended as a resource person in the training programme for high school teachers, CTE at Belgaum.
- ❖ Attended and presented the paper in Inter National Conference at Bangkok by Indian council of Chemists on 12-14<sup>th</sup> June 2011
- ❖ Participated as a judge in the district level science exhibition contest held on 22-23 Nov 2011 at JSS College Campus Dharwad.
- ❖ Participated as a resource person in the training programme of high School teacher on the occasion of Inter national year of Chemistry conducted in University public School Dharwad by Science and Math's Teacher Association Dharwad.
- ❖ Appointed as Co-coordinator of Bio-Technology on 8-06-2011 .
- ❖ Participated as a resource person in a AGUSATYA International foundation and Education Department Kundugol on 7-9-2011 to 9-9-2011,
- ❖ Participated as a resource person in the PU college teachers training programme by DDPU Bijapur in Darbar PU College Bijapur.
- ❖ Participated as one of the member in the committee of preparation of the practical time table for the B.Sc courses of odd-even sem of KUD.
- ❖ Worked as a Coordinator in the central valuation unit of Karnatak Science College Dharwad. For both odd –even sems 2011.
- ❖ Worked as the committee member in the preparation of revision of the syllabus of under graduate course.
- ❖ Attended and presented the paper in 30<sup>th</sup> Annual conference of ICC at Osmania University, Department Of Chemistry Hyderabad on 28-30-December 2011.

## **2012**

- ❖ Participated as resource person in one day workshop on curriculum revision in Chemistry (UG) held at P.G. department of studies in chemistry, Karnataka University, Dharwad on 7<sup>th</sup> of January 2012.
- ❖ Participated as delegate & presented a paper in the National Conference on "Biotechnological Prospecting in Herbal Anti-viral and Anti-cancerous Drug Development "held by the Department of P.G. Studies & Research in Biotechnology, SDM College, Ujire on Feb 17<sup>th</sup> & 18<sup>th</sup> 2012.

- ❖ Attended as resource person & addressed the participants of six day refresher course in chemistry at K.L.E society's R.L.Sc. Institute, Belgaum, under the joint auspicious of Vision Group of Science & Technology on 7<sup>th</sup> of Feb 2012.
- ❖ Acted as Chief Guest during the celebration of "National Science Day" held by Karnataka University Public School, Dharwad on 28<sup>th</sup> Feb 2012.
- ❖ Attended as resource person for Revaluation/3<sup>rd</sup> valuation work of Undergraduate Examination at Revaluation Cell, Examination Section, Karnataka University, Dharwad on 28<sup>th</sup> Feb, 2012.
- ❖ Participated in "Yuva Summit - 2012" held by the LEAD- Deshpande Foundation on 11<sup>th</sup> March, 2012.
- ❖ Attended the "XXI Annual Convention of Chem-Forum" as delegates held at Shree Annadaneshwari Arts, Science & Commerce College, Naregal on 18<sup>th</sup> March 2012.
- ❖ Worked as external examiner & conducted the practical examination at J.S.S College Dharwad on 12<sup>th</sup> April 2012.
- ❖ Worked as an External Examiner in the subject Chemistry of B.Sc. II Sem End Examination" at P.C. Jabin Science College, Hubli on 2<sup>nd</sup> May 2012.
- ❖ Worked as one of the member of committee to prepare the guidelines to conduct the coaching classes for "All India Entrance Examinations of IFT, JEEE, and AIME" on 14<sup>th</sup> of May 2012.
- ❖ Participated as resource person in One day workshop on "Developing Strategic Question Bank" under UGC's CPE phase-II Innovations at P.C. Jabin Science College, Hubli on 25<sup>th</sup> of August, 2012.
- ❖ Attended as resource person to the Special Workshop on C.C.E. for all professors at Karnataka Arts College, Dharwad, on 6<sup>th</sup> September, 2012.
- ❖ Worked as external examiner to evaluate the answer scripts of B.Sc. I semester of Chemistry subject at P.C. Jabin Science College, Hubli from 22<sup>nd</sup> Oct to 2<sup>nd</sup> November, 2012.
- ❖ Worked as external examiner to evaluate the answer scripts of B.Sc. V semester of Chemistry subject at P.C. Jabin Science College, Hubli on 29<sup>th</sup> November, 2012.

- ❖ Delivered a Guest lecture on the topic, "Atomic theories & Chemical Reactions" to motivate 70 science teachers at B.R.C Hall, Hubli, on 8<sup>th</sup> November, 2012.
- ❖ Attended as resource person to the One day Family work shop for Mathematics & Science teachers at Rajiv Gandhi Memorial Convent & High school, Navalagund on 6<sup>th</sup> December, 2012.
- ❖ Attended as a resource person for One day Work shop on for High School Science Teachers (Chemistry) at Dr. R.B. Patil Mahesh Pre-University Collge, Hubli on 9<sup>th</sup> December, 2012.

### **2013**

- ❖ Participated as resource person in One day workshop on "Developing Strategic Question Bank" under UGC's Examination Reforms at P.C. Jabin Science College, Hubli on 9<sup>th</sup> of March, 2013.
- ❖ Worked as external examiner for challenge valuation in the subject Chemistry of B.Sc. I Semester Nov. /Dec-2012 on 19<sup>th</sup> Jan, 2013.
- ❖ Attended meeting as one of the member for a committee to setup the time table for Under Graduation practical examinations held by the Karnataka University, Dharwad on 27<sup>th</sup> Feb, 2013.
- ❖ Worked as external examiner to setting of question paper of B.Sc. IV Semester End Examination April/May 2013 at P.C. Jabin Science College, Hubli on 26<sup>th</sup> March, 2013.
- ❖ Worked as external examiner for the conduct of B.Sc. Degree Practical Examination April/May 2013 at Shri Kadasiddeshwar Arts College & H. S. Kotambri Science Institute, Hubli, on 22<sup>nd</sup> March, 2013.
- ❖ Worked as a external examiner for the Practical Examination in Chemistry for B.Sc. II, IV, and VI semester at Shri Kadasiddeshwar Arts College & H. S. Kotambri Science Institute, Hubli, on 5<sup>th</sup> and 15<sup>th</sup> April 2013.
- ❖ Delivered two lectures for I & II year B.Sc. students on 2<sup>nd</sup> June, 2013 held by the Karnataka University to award of 100 Scholarships to the students to encourage them to pursue basic science for higher studies.

### **2014**

- ❖ Karnatak Science College, Dharwad, on 10<sup>th</sup> & 11<sup>th</sup> October 2014.

- ❖ Attended annual convention of 23<sup>rd</sup> Chem forum on 12.01.2014 held at Gokhale Centenary College, Ankola.
- ❖ Attended as a Resource person on 08.02.2014 for high school teachers held at Dharwad Regional Science Centre.
- ❖ Worked as a convener for the First two days National Conference on "Present Scenario of Chemical Science and its technological perspectives", Organized by the department of chemistry,
- ❖ Sri, Pulin Nath, Research scholar working under my guidance has submitted the thesis to Karnatak University, Dharwad, on 21<sup>st</sup> October 2014.

### **2015**

- ❖ Invited as a Resource person on 19.01.2015 for the science awareness programme for the High School student in Government High School Dharwad.
- ❖ Invited as a Resource person on 22.01.2015 for the high school teachers training programme conducted by District Education and Training Society, Dharwad.
- ❖ Invited as a Resource person on 04.02.2015 for the high school teachers training programme conducted by District education and training society Dharwad.
- ❖ Attended U.G.C sponsored two day National Seminar on Recent Trends in Pharmaceutical Chemistry for Drug Discovery on 13<sup>th</sup> & 14<sup>th</sup> Feb 2015.
- ❖ Worked as chief coordinator for the central valuation work for odd semester from 16-11-2015 to 16-01-2016.

### **2016**

- ❖ Worked as judge for the science exhibition for Degree students jointly conducted by Govt. of Karnataka dept of Science and Technology and H S Kotambari Science institute Hubli on 08-03-2016.
- ❖ Invited as a Resource person on 25-08-2016 for the high school teachers training programme conducted by Navalagund Science teachers Association at employee's bahavan Navalagund.
- ❖ Worked as chief coordinator for the central valuation work for odd semester from 04-11-2016 to 25-12-2016.



## **2017**

- ❖ Attended the UGC sponsored one day state level seminar on advances in material Science held on 20<sup>th</sup> jan 2017 organized by Dept of Chemistry P C Jabin Science college Hubballi.
- ❖ Invited as a Resource person from 19.07.2017 to 22.07.2017 for the high school teachers for implementation of NCERT new syllabus in the 9<sup>th</sup> standard science text book training programme conducted by District education and training society Dharwad.
- ❖ Invited as a Resource person on 01-08-2017 for the high school teachers for implementation of NCERT new syllabus in the 9<sup>th</sup> standard science text book training programme conducted by District education and training society Dharwad.
- ❖ Involved 3 times in the confidential work of Karnataka public service commission Bangalore in the month of June & November.
- ❖ Worked as chief coordinator for the central valuation work for even semester April 2017.

## **2018**

- ❖ Attended two day seminar on 29 and 30 March 2018 for the topic Bharatiya jnana parampare held at Kirloskar Institute of advance management studies Harihar.
- ❖ Worked as Deputy chief Superintendent (External) for B.A and B.Com II ,IV and VI semester theory examination of April/May 2018 from 09/04/2018 to 28/04/2018 at Suvarna arts and Commerce College , Dharwad.
- ❖ Worked as Deputy chief Superintendent (External) theory examination of November 2018 from 13/11/2018 to 27/11/2018 at Kittel Science college Dharwad.

## **2019**

- ❖ Worked as Practical Examiner for M.Sc students at Karnatak Science College Dharwad on 19/01/2019.
- ❖ Involved 2 times in the confidential work of Karnataka public service commission Bangalore in the month of June to August 2018.

- ❖ Involved 1 time in the confidential work of Karnataka public service commission Bangalore in the month of June 2019.
- ❖ Worked as Practical Examiner for M.Sc students at KSS Arts, Commerce a Science College and P.G Centre, Gadag at 21/01/2019 to 22/01/2019.
- ❖ Appointed as PGP Co-ordinator for conducting Examination and Evaluation of M.Sc. I and III Semester of General Chemistry and Analytical Chemistry Answer Scripts 2019.
- ❖ Invited as a resource person for one day work shop on Choice Based credit system curriculum for undergraduate courses conducted by Karnatak university political science college Teacher's forum, Dharwad on 18/06/2019.
- ❖ Invited as a judge for National level Science Exhibition Competition on 13/07/2019 conducted by Kittel Science College Dharwad.
- ❖ Invited as a resource person to deliver a talk on periodic table on 27/12/2019 at Kadasiddeswar Arts college and H.S Kotambri science institute, Hubli.

## **2020**

- ❖ Invited as a chief guest on 28/02/2020 for National Science day at Presentation Girl's High school Dharwad.
- ❖ Invited as a resource person to deliver a talk on periodic table on 29/02/2020 at Srishaila Jagadguru Vageesha Panditaradhya College Harihar for the eve of centenary celebration of Mendeleev's periodic table

### **11. Work done for the Karnatak University**

- ❖ As an Examiner both for practical and theory for the degree classes
- ❖ As a member for framing the University theory and practical timetable.
- ❖ As a Codifier and Co-ordinator for the University Central valuation.
- ❖ As a chief Coordinator for the University Central valuation.
- ❖ As a Deputy chief Superintendent (External and Internal) theory examination.
- ❖ As an Examiner and moderator during the theory Evaluation.
- ❖ Appointed as PGP Co-ordinator for conducting Examination and Evaluation of M.Sc. I and III Semester of General Chemistry and Analytical Chemistry.
- ❖ As an Examiner both for practical and theory for the P.G classes.

## 12. Work done for the Other Universities

- ❖ Working as an external examiner (Practical) for M.Sc. Courses (Chemistry and Environmental Sciences) conducted by Kuvempu University Distance Education Study Centre, Since 2004.
- ❖ Working as a research supervisor for the M.Phil. Students of Periyar Institute of Distance Education, Periyar University, Salem, Tamilnadu, Since 2007.

## 13. List of publications.

1. **S.D.Dhumwad** and T.R. Goudar, Synthesis and Characterization of Lanthanide (III) complexes with 3,4-Methylenedioxybenzaldehyde thiosemicarbazone, *Polyhedron*, 12, 2809- 2813,(1993).
2. **S.D. Dhumwad** and T.R. Goudar, Chetan T. Goudar and M.P. Chitinis, Synthetic, Structural and Biological Studies of Metal Complexes of 3,4-Methylenedioxybenzaldehyde thiosemicarbazone, *Journal of the Karnatak University- Science*, 37,111-125,(1993)
3. K.B. Gudasi, **S.D. Dhumwad** and T.R. Goudar, Uranium (IV) Complexes of Furoic Acid Hydrozones, *Journal of the Karnatak University- Science*, 37, 81-86, (1993).
4. **S.D. Dhumwad**, K.B. Gudasi, and T.R. Goudar, Synthesis and Structural Characterization of Biologically Active Metal Complexes of N<sup>1</sup>-(N-morpholinoacetyl)-N<sup>4</sup>-phenylthiosemicarbazide and 3,4-Methylene dioxybenzaldehyde thiosemicarbazone with Oxovanadium(IV),Chromium (III),Manganese(II),Iron(III),Cobalt (II),Nickel(II),Copper(II),Cadmium (II), Uranium (VI). Thorium(IV) and Silicon (IV), *Indian Journal of Chemistry*, 33(A), 320-324, (1994).
5. K.B. Gudasi, **S.D. Dhumwad** and T. R. Goudar, Synthesis, Characterization and Biological Studies of Uranium (IV), Dioxouranium (VI) and Thorium (IV) Complexes with Coumarin Biheterocycles, *Indian Journal of Chemistry*, 33(A), 782-784, (1994).
6. **S.D. Dhumwad**, K.B. gudasi, and T.R. Goudar, Chetan T. Goudar and M. P. Chitinis, Synthetic, Structrual and Biological Studies of Oxovanadium (IV), Manganese (II); Iron(III), Cobalt (II), Nickei(II), Copper(II) and Zinc(II) Complexes of 3,4 - Methylene dioxybenzalidene-2-amino-4,5,6,7 - tetrahydro benzothiazole, *Indian Journal of chemistry*, 34(A), 38-42,(1995).
7. P.B. Maravalli, **S.D. Dhumwad** and T. R. Goudar, Synthetic, Spectral, Thermal and Biological Studies of Lanthanide (III) Complexes with a Schiff Base Derived from 3-N-Methylpiperidino 4-amino- 5-mercapto-1,2,4-triazole, *Synthesis and Reactivity in Inorganic and Metal -Organic Chemistry*, 29(3), 525-540,(1999).
8. M.A.Phaniband and **S.D.Dhumwad**, Synthetic, Characterization and biological studies of Co(II), Ni(II), Cu(II) and Zn(II) complexes of Schiff bases derived from 4-substituted carbostyrils[quinolin2(1H-ones)] **Transitional Metal Chemistry** 32,1117-1125 (2007)

9. M.A.Phaniband and **S.D.Dhumwad**, and P.G.Avaji, Synthetic, spectral characterization and biological evaluation of some Lanthanide (III) complexes of Schiff bases of 4- carbostyrils derivatives Main Group Chemistry,7;4,271-283 (2008).
10. M.A.Phaniband and **S.D.Dhumwad**, J.J.Jogul and P.G.Avaji, Novel Transitional complexes of Co(II), Ni(II), Cu(II) and Zn(II) derived from 3-[p-(5-substitutedsalicylidrazinocarbonyl)]phenylsydnones. Main Group Chemistry, 7;4,2851-299 (2008).
11. M.A.Phaniband and **S.D.Dhumwad**, Synthetic, spectroscopic, fluorescent and biological approach of Co(II), Ni(II), Cu(II) and Zn(II) complexes of Schiff bases derived from 3-formyl-2-mercaptoquinolines (Quinol-2-thiones). *Journal of Coordination Chemistry*. 62:14, 2399-2410. (2009)
12. A.F.Dodamani, M.A.Phaniband and **S.D.Dhumwad**. Estimation of excited state dipole moments of di( 2-methyl 6-chloro phenyl)carbazone and its Co (II). Ni (II) & Zn (II) complexes from the solvent effect on their ultraviolet absorption spectra. *Journal of Serbian Chemical Society* 74(6) 641-650 (2009).
13. M.A.Phaniband and **S.D.Dhumwad**. Synthesis,Characterization of lanthanide (III) complexes of quinoline ligand. *E-Journal of Chemistry*. (Communicated with Manuscript ID number # EJC-MS ID: 2548)
14. M.A.Phaniband and **S.D.Dhumwad**. Synthesis, Characterization, fluorescent and antimicrobial properties of new Lanthanide (III) complexes derived from coumarin Schiff base. Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry (Communicated with manuscript ID is LSRT-2009-0074.)
15. M.A.Phaniband, **S.D.Dhumwad** and S.R.Pattan. Synthesis, Characterization, antimicrobial and DNA cleavage studies of metal complexes of Coumarin Schiff bases. *Medicinal Chemistry Research* 20-493-502 (2011)
16. M.A.Phaniband, **S.D.Dhumwad** and S.R.Pattan. Synthesis, Characterization, fluorescence and invitro biological evaluation of some Lanthanide complexes with comarin derivatives *Inorganic Chimica Acta* (communicated)
17. Narayanachar and **Shreedhar D. Dhumwad** Synthesis, characterization, electrochemical, *in vitro* antimicrobial and DNA cleavage studies of Co(II), Ni(II), Cu(II) and Zn(II)complexes of Schiff bases derived from 2-oxo-quinoline-3-carbaldehyde. *Main Group Chemistry* 10 229–242 (2011)
18. Narayanachar and **Shreedhar D. Dhumwad** Synthesis, characterization and biological studies of Co(II), Ni(II), Cu(II) and Zn(II) complexes of Schiff bases derived from 3-formyl-2-mercaptoquinolines *J. Chem. Pharm. Res.*, 2011, 3(4):504-517
19. Narayanachar and **Shreedhar D. Dhumwad** Synthesis, spectral characterization, and biological studies of quinoline based ligands and

their transitional metal complexes. Main Group Chemistry 11 135–149 (2012)

20. Narayanachar and **Shreedhar D. Dhumwad** Synthesis, spectral characterization, antimicrobial and cytotoxicity studies of some lanthanide (III) complexes of quinoline derivatives accepted in *J. Chem. Pharm. Res*
21. Narayanachar and **Shreedhar D. Dhumwad** Synthesis and characterization of Co (II), Ni (II), Cu (II) and Zn (II) complexes of Schiff bases derived from 2-hydroxy / 2-mercapto-3-formyl quinoline with 2,6-diaminopyridine (communicated to Main Group Chemistry)
22. Narayanachar and **Shreedhar D. Dhumwad** Synthesis, Physico-chemical, antimicrobial and antioxidant activity of later 3d transition metal complexes of Schiff bases derived from quinoline derivative with 4-amino pyridine (*This part of the work is communicated to Indian Journal of Chemistry Section A*)
23. Pulin Nath and **Shreedhar D. Dhumwad** Synthesis and characterization and Antimicrobial studies of Co (II), Ni (II), Cu (II) and Zn (II) complexes derived from a Schiff base of 2-[(4-Methyl-2-oxo-2H-chromen-7-yl]acetohydrazide with 3-formyl-2hydroxy quinoline and 3-formyl-2mercapto quinoline. 4(1):851-865 (2012) *J. Chem. Pharm. Res*
24. Pulin Nath and **Shreedhar D. Dhumwad** Antimicrobial studies of Co (II), Ni (II), Cu (II) and Zn (II) complexes derived from a Schiff bases of 3-formyl quinoline and 3-hydrzineoquinoxlin-2(1H)one vol5/no.2/234-238 (2012).
25. Pulin Nath and **Shreedhar D. Dhumwad**” Synthesis, characterization, antimicrobial, DNA binding and cytotoxic studies of Co(II), Ni(II), Cu(II) and Zn(II) complexes of quinoline-adenine Schiff bases.” *Scholars Research Library, Der Pharma Chemica*, 2014, 6(1):253-261.
26. Pulin Nath and **Shreedhar D. Dhumwad**” Antimicrobial studies of co (ii), ni (ii), cu (ii) and zn (ii) complexes derived from schiff bases of 3-formyl quinoline and 3-hydrazinoquinoxalin-2(1h) one.” *Rasayan J Chem*, Vol. 5 | No.2 | 234-238 | April-June | 2012.
27. Pulin Nath and **Shreedhar D. Dhumwad** Synthesis, Characterization, Antimicrobial and DNA binding studies of Co(II), Ni(II) and Zn(II) complexes derived from a Schiff base of 2-oxo-2H-chromen-3-carbohydrazide with 2-substituted 3-formyl quinoline, *International Journal of Chemtech Applications*, 2012,1(1), 31-38.
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