

## *Curriculum Vitae of Prof Gade Dayakar*

1. **Full Name** : **GADE DAYAKAR**
2. **Educational Qualifications** : **M.Sc., Ph.D**
3. **Designation** : Professor of Chemistry
4. **Nationality** : Indian
5. **Social Status** : Scheduled Caste (Madiga)
6. **Martial Status** : Married
7. **Date of Birth** : 08-02-1959
8. **Place of Birth** : Dharmaram (V), Geesugonda (M)  
Warangal District, Telangana State - 506 330
9. **Address for Correspondence:** Department of Chemistry  
Kakatiya University  
Warangal - 506 009, Telangana State.
10. **Residential Address** : H.No.2-6-24  
Beside R & B Guest House,  
(M)Hanamkonda, (Dist)Warangal – 506 001,  
Mobile: 9849777797  
Email: [gadedayakar@yahoo.co.in](mailto:gadedayakar@yahoo.co.in)
11. **Teaching Experience** : Twenty Five Years  
(October 1990 – till to date)
12. **Research Guidance** : a) Ph.D., Degrees Awarded – Five  
b) Ph. D Scholars Working -Two
13. **Membership** : 1). Life Member, Indian Science Congress  
Association Number L 12529.  
2). Life Member, Indian Chemical Society  
F/6865(LM)  
3). Life Member, The Indian Institute of Public  
Administration, New Delhi. L11399  
4). Member, American Chemical Society, USA  
5). Member (CFE), T S Pollution Control Board,  
Zonal Office, Government of Telangana state,  
Hyderabad.
14. **Reaearch Projects** : Four Research Projects(Two Major, Two Minor)  
Sanctioned by UGC New Delhi have been  
Completed.

- 15. Seminars/ Workshops Conducted**
- 1. National Seminar on Environmentally Benign Synthetic Methodologies in Chemistry** 9<sup>th</sup> & 10<sup>th</sup> February, 2009. Mrs. D. Purandeswari, Hon'ble Minister of State for HRD, Govt. of India was the Chief Guest. More than 500 delegates participated in the Seminar. Sponsored by UGC, New Delhi.
  2. Faculty Development Program, 13<sup>th</sup> to 18<sup>th</sup> December, 2010, for Chemistry Teachers on Revised Syllabi of Under-Graduate Courses. Sponsored by DBT, Govt. of Indian, New Delhi.
  3. One day Seminar on “**New Trends in Pollution Abatement**” on 29<sup>th</sup> December, 2010. Sponsored by Andhra Pradesh Pollution Control Board, Zonal Office, Hyderabad.
  4. One Day National Seminar on “**Chemistry for Human Well Being**” to be conducted on 31<sup>st</sup> March, 2011. Sponsored by UGC, New Delhi, on the occasion of International year of Chemistry, 2011.
  5. Two day national seminar on “**Recent Advance in Chemistry**” (RAC-2015) 30-31 march, 2015. Sponsored by UGC, New Delhi more than 300 Delegates participated in the seminar

**16. List of Publications**

1. Mossabauer and other Spectral Studies of Iron (II) Complexes with Amide – containing Ligands. Transition Met. Che., 12,, 539-543 (1987) (UK)
2. Synthesis and Spectral Studies of Platinum Complexes with Amide group containing Ligands. Transition Met. Chem., 14, 203-205 (1989) (UK)
3. Studies on Rhodium (III) Complexes with Ligands containing Amide group. Indian Journal of Chemistry, Vol. 35A 614-616 (1996)
4. Synthesis and Spectral Studies of Ruthenium (III) Complexes with Amide group Ligands. Asian Journal of Chemistry, Vol.9, 179-182 (1997).
5. Synthesis and Spectral Studies of Dioxouranium (VI) Complexes of Amide group containing Ligands. Asian Journal of Chemistry Vol.11, No.1 (1999) 137-140.

6. Studies on Iridium (III) Complexes with Ligands containing Amide group; Asian Journal of Chemistry, Vol.13, No.3 (2001) 1105-1108.
7. Synthesis and Spectral Characterization of Ni(II) Complexes with Amide group Ligands containing 1,8-naphthyridines. Oriental Journal of Chemistry Vol.24, (1)207-211(2008)
8. Anticancer and antioxidant activities of 2-Aminobenzoic acid (2-oxo-1,2-dihydro-indol-3-ylidene)-hydrazides. International Journal of Chemical Science Vol 6, No 2 503 – 508 (2008)
9. Anti-inflammatory and analgesic effects of different extracts of Indian Polygala Erioptera in Experimental Animals. International Journal of Chemical Sciences Vol 6, No.2 587 – 592 (2008)
10. Constituents and cytotoxicity of polygala erioptera. International Journal of Chemical Science Vol 6 No 2 643 – 646 (2008)
11. Synthesis and spectral characterization of Mn(II) Complexes with Amide group containing 1,8-naphthyridines. Oriental Journal of Chemistry Vol.24, (1), 237-240 (2008)
12. Studies on Ru (III) Complexes with Amide group containing ligands. Asian Journal of Chemistry Vol 20, No.6 (2008) 4148-4152
13. ESR and Other Spectral Studies of Cu(II) Complexes with Amide Group Containing 1,8-Naphthyridine Ligands Asian Journal of Chemistry Vol 20, No.7 6281-6288 (2008)
14. Antibacterial activity of Paddy fields Cyanobacteria. Journal of Nature, Environment and Pollution Technology. Vol 7, No. 3 447- 450 (2008)
15. Biological Activity as Influenced by Copper (II) and Zinc (II) complexes with Amide Group Containing 1,8-Naphthyridines on *Trigonella foenum-graecum* L. Advances in Plant Sciences Vol. 23 (II) 555-557 (2010)

16. Effect of two metal complexes Co (II) and Ni (II) with Amide group containing 1,8-Naphthyridines on early seedling growth in *Trigonella foenum-graecum* L. Accepted for publication in *International Journal of Agricultural Sciences*
17. A facile synthesis of 2-((3H-imidazo[4,5-b]pyridine-2-ylthio)methyl)-5-aryl-1,3,4-oxadiazoles” *Indian Journal of Heterocyclic Chemistry*, Vol.20, Oct-Dec., 2010, pp. 177-178.
18. Synthesis of some novel methyl-2-(2-(arylideneamino)oxazol-4-ylamino) benzoxazole-5-carboxylate derivatives as antimicrobial agents “*International Journal Of Chemistry Research*, vol 1, issue 2, 2010
19. A facile synthesis of “2-((3H-imidazo[4,5-b]pyridin-2-ylthio)methyl)-5-phenyl-1,3,4-oxadiazoles *Indian Journal of Heterocyclic Chemistry*, 20, 2010, 177-178
20. Design, Synthesis and biological evaluation of methyl-2-(2-(arylideneamino) oxazol-4-ylamino)benzoxazole-5-carboxylate derivatives as new anti-inflammatory agents “ *Research Journal Of Pharmacy and Technology*”4(2):february 2011
21. Synthesis and in vivo evaluation of anti-inflammatory activity of 5-(2-(2-(arylidene amino) oxazol-5-ylamino) benzoxazol-5-yl)-3-((di alkylamino)methyl)-1,3,4-oxadiazole-2-(3H)-thiones “*Journal Of Advanced Pharmaceutical Sciences* 2011 vol-1 issue 1.
22. Synthesis of “N<sup>1</sup>-(4-(3H-imidazo[4,5-b]pyridine-2-yl)phenyl-N-(phenylimino)Arylamidines on”*Journal of advances in drug research* vol.(II), issue2 july 2012, 12-16.
23. Antimicrobial activity of 1H-imidazo[4,5-b]pyridine derivatives on “*Journal of advances in drug research*” vol.(II), issue2 july 2012, 17-24.
24. Synthesis and characterization of “S-(1H-imidazo [4,5-b] pyridine-2-yl) carbo-arylthiazolidine-4-ones” *Indian journal of Heterocyclic chemistry* vol. 22 Jan-March 2013, PP.233-236.

25. "Synthesis and screening of methyl-2-(2-arylideneamino)oxazoles-5-ylamino)benzoxazole-5-carboxylate derivatives as cyclooxygenase inhibitors". Journal IJPBS Volume 3, Issue 1, Jan-Mar, 2013, 32-40.
26. Synthesis of 2-(1H-imidazo[4,5-b]pyridin-2-ylimino)-5-arylidene-thiazolidin-4-ones, 1-(1H-imidazo[4,5-b]pyridin-2-yl)-5-methyl-3-aryl-1,3,5-triazinane-2-thiones and 3-(1H-imidazo[4,5-b]pyridin-2-yl)-5-aryl-1,3,5-oxadiazinane-4-thiones, Research Chemistry Discovery Science, Volume 3, Number 8, February 2013.
27. Synthesis of 1-(3H-imidazo[4,5-B]pyridine-2-yl)-2-(3,5-dimethyl-1H-pyrrol-2-yl) Diazenes. Journal Der Pharma Chemica, 2013, 5(6):339-340
28. Synthesis of "oxadiazole, thiadiazole and tetrazole derivatives of 1H-imidazo[4,5-B]pyridines" Journal Der Pharma Chemica, 2013, 5(6):341-346
29. Synthesis of 1,2-dihydro-6-(1H-imidazo(4,5-b)pyridin-2-yl)-4-aryl-2-oxopyridine-3-carbonitriles and 2-amino-6-(1H-imidazo(4,5-b)pyridine-2-yl)-4-aryl pyridine-3-carbonitriles. Journal Discovery, Volume 9, Number 20, January 2013.
30. "Anti microbial evaluation of new oxadiazole derivatives". World Journal of Pharmacy and Pharmaceutical Sciences, Volume 3, Issue 6, 762-767, May 2014.
31. "Synthesis and antimicrobial evaluation of 2-(dialkylamino)-N-(5-(5-(alkylthio)-1,3,4-oxadiazol-2-yl)benzoxazol-2-yl)acetamides" World Journal of Pharmaceutical Research. Volume 3, May 2014.
32. "Synthesis and antimicrobial evaluation of 2-(dialkylamino)-N-(5-(5-(alkylthio)-1,3,4-oxadiazol-2-yl)benzoxazol-2-yl)acetamides". World Journal of Pharmaceutical Research, Volume 3, Issue 5, 387-397, July 2014.

33. A facile synthesis of 1-(4-(1H-imidazo[4,5-b]pyridin-2-yl)phenyl)-5-methyl-3-aryl-1,3,5-triazinane-2-thiones and 3-(4-(1H-imidazo[4,5-b]pyridine-2-yl)phenyl)-5-aryl-1,3,5-oxadiazinane-4-thiones Journal Der Pharma Chemica, 2014, 6(5):80-83
34. Synthesis of 2-(4-((5-aryl-1H-1,2,4-triazol-3-yl)methylthio)phenyl)-1H-imidazo[4,5-b]pyridines and 1-((4-(1H-imidazo[4,5-b]pyridin-2-yl)phenylthio)methyl)-N-aryl-3-methyl-1H-pyrazol-5-amines. Journal RJBPCS November-December,2014 5(6) Page No.380.
35. Synthesis of 2-(4-(1H-imidazo[4,5-b]pyridin-2-yl)phenylimino)thiazolidin-4-one and 2-(4-(1H-imidazo[4,5-b]pyridin-2-yl)phenylimino)-5-arylidenthiazolidin-4-ones Journal RJBPCS,November-December ,2014 5(6) page no.365.

## 17. Conferences, Workshops attended

1. VI Annual Convention of Chemists, Indian Council of Chemists held at Madhurai Kamaraja University, Madhurai, 24-29 – December, 1986.
2. XXV Annual Convention of Chemists, Indian Council of Chemists held at Calcutta University, Calcutta, 24-29 – December, 1988.
3. XXVI Annual Convention of Chemists, Indian Chemical Society held at Devi Ahalya Vishwavidyalaya, Indore, 25-29 – December 1989
4. National Seminar, Indian Council of Chemists organized in the Department of Chemistry, Kakatiya University, Warangal 28-29 December 1993.
5. UGC sponsored National Workshop conducted by Kishinchand Chellaram College, Bombay for Teachers in Industrial Chemistry from 3<sup>rd</sup> July to 15<sup>th</sup> July 1995
6. Orientation Course for College Teachers organized under the Academic Staff Orientation Scheme of the University Grants Commission by Osmania University, Hyderabad from 3<sup>rd</sup> July to 27<sup>th</sup> July, 1996.

7. 17<sup>th</sup> National Conference in Chemistry held at Chennai during 26-28<sup>th</sup> November 1998.
8. National Symposium in Chemistry held at the Indian Institute of Science, Bangalore during January 27-29, 1999.
9. UGC sponsored Refresher Course "Recent Advances in Chemistry" Conducted by Kakatiya University, Warangal during 19<sup>th</sup> December 2001 to 9<sup>th</sup> January 2002.
10. UGC sponsored Refresher Course "New Frontiers in Chemistry" Conducted by Kakatiya University, Warangal, during 23<sup>rd</sup> December 2002 to 12<sup>th</sup> January 2003.
11. National Symposium on "Recent Trends in Plant Sciences and Herbal Medicine" conducted by Narendra Dev University of Agriculture and Technology, Faizabad, U.P, during 17<sup>th</sup> & 18<sup>th</sup> December, 2007.
12. National Symposium on "Emerging Trends in Medicinal Chemistry" conducted by Department of Chemistry, CKM College, Warangal during 2<sup>nd</sup> and 3<sup>rd</sup> February, 2008.
13. UGC Sponsored National Seminar on Novel Polymers, Nanoscience and Green Chemistry conducted by Department of Chemistry, Kakatiya University, Warangal during 22<sup>nd</sup> and 23<sup>rd</sup> February, 2008.
14. 97<sup>th</sup> Indian Science Congress held at University of Kerala, Thiruvananthapuram, during January 03 to 07, 2010.

## **18. International Seminars attended**

1. 22<sup>nd</sup> International Congress on Heterocyclic Chemistry held at St. John's, Newfoundland, CANADA, during August 02 to 07, 2009.

## **19. Administrative Positions held**

### **I. Director, Kakatiya Adhyayana Kendram 1995-1998**

During the tenure of three years as the Director of Kakatiya Adhyayana Kendram, which is a Branch of AP Study Circle, I was instrumental in designing and executing several innovative programmes to facilitate the learning of the candidates appearing for competitive examinations. We have revamped the system of coaching by introducing student centered learning techniques for effective coaching of SC, ST, and BC students. During the tenure as Director, I have strived to motivate and empower the students by arranging required learning resources and as a result, several candidates have competed in Competitive Examinations and secured gainful employment. Library facilities were also improved at the Kendram for the benefit of the poor and economically backward youth of Telangana Region. Eminent scholars and administrators have visited the Kendram and gave Extension Lectures for the benefit of the student

### **II. Director, Publication Cell, Kakatiya University 2001-2003**

As a Director, Publication Cell, I have revamped the working of publication cell by approaching the organization as interactive system. I have made the Publication Cell to function effectively and efficiently by planning requirements of various sub-systems like Administrative branch, Examination branch and Academic branch at the beginning of the year. Developed and introduced the procedure of indents, quotations for purchasing and distributed required stationery and other material for all the sections of the University. The system of procurement of material either it was an alpine or computing machine was done using open quotation system, which resulted in lot of savings to the University. The same was documented even by the press by appreciating the system



**III. Additional Controller of Examinations (SDLCE & External), Kakatiya University 2004-2007**

One of the important components in teaching and learning process is evaluation. I have discharged the duties of Additional Controller of Examinations (SDLCE and External), Kakatiya University for 3 years. During this period, I was responsible for planning, organizing, directing and coordinating every activity of the examination system relating to two important segments of the University Examinations Branch- SDLCE and External. SDLCE stream in Kakatiya University is forum of distance learning programme, External stream of learning is private study programme. In both the cases, the branch has to do lot of correspondence and communication. In spite of the difficulties, under my guidance, the branch has able to plan and execute timely examination schedule. During my tenure, all examinations are scheduled on time and results were announced with in 33 days of the last examination. The results were error free. If any grievances are reported, they were promptly attended. My contribution as Additional Controller of Examinations (SDLCE and External), Kakatiya University was appreciated by all including the Vice-Chancellor of the University

**IV. Head, Department of Chemistry, University Arts & Science College 2007-2010**

During my tenure as Head, Department of Chemistry, University Arts & Science College efforts are made to improve teaching, training and research. As a result many students of our department have been moved to developed countries for gainful employment. My self, as academic leader of the Department introduced innovative learning strategies in teaching and learning process both in class room and out side the class room learning. As a result, the Department of Chemistry has been elevated in academic circles as every year 3-5 students were selected for research through CSIR examination and many students were also selected in campus interviews for employment. Under my guidance as a Director, a two day **National Seminar on Environmentally Benign Synthetic Methodologies in Chemistry was organized in the month of February, 2009. Smt. D. Purandeswari, Minister of State for Human Resource Development, Government of India** was the Chief Guest. I have also conducted a Faculty Development Programme for Chemistry Teachers on Revised Curriculum as a Director during 13<sup>th</sup>-18<sup>th</sup> December, 2010.

**V. Principal, University Arts & Science College, Kakatiya University from 18<sup>th</sup> August, 2010 – 17<sup>th</sup> August, 2011**

I served as Principal, University Arts & Science College, Warangal during 2010-2011. This college was established in the year 1927. Eminent personalities of the nation were the alumni of the College. Late Sri P V Narasimha Rao, Former Prime Minister of India is the alumni of the College. Under my stewardship as Principal, the College is approved for providing financial assistance as College with Potential for Excellence in the XI plan. Further, I have planned to get reaccredit the College from NAAC. The self-appraisal report is being prepared under my guidance.

I have motivated the teachers of various faculties of the college to organize seminars, workshops for the benefit of students and teachers. During the last One year 4 Departments of the College have conducted training programmes, faculty development programmes and workshops to benefit the teachers of various Colleges of the Kakatiya University. Department of Botany, Department of Chemistry, Department of Physics and Department of Zoology have organized the programmes with the support of Department of Bio-technology, Government of India. A one day National Seminar on New Trends in Pollution Abatement is also conducted on 29<sup>th</sup> December, 2010 under my Direction.

In order to bring academic discipline in the College, I have initiated various steps such as strict implementation of attendance rules, conduct of classes on time, ensuring attendance of teachers and students on a day to day basis. Further, in order to empower the students to recognize their potential in various activities NCC and NSS activities are being conducted on regular basis. I have ensured the conduct two NSS special camps by our NSS units.

**VI. Chairperson, Board of Studies in Chemistry**

I have been serving as Chairperson, Board of Studies in chemistry from 27-11-2014 for two years. As Chairperson, Board of Studies in Chemistry the MSc Chemistry practical's and theory examinations are streamlined, the results are declared in time to set right the academic atmosphere of the Department

**20. Extra Curricular Activities**

**I. President, Kakatiya University Research Scholars Association 1985-1990**

As a president, I have approached the University authorities to solve the genuine problems of research scholars with cooperative and collaborative approach. With continued persuasion, significant improvement is achieved in the facilities offered to research scholars in the University

**II. President, Kakatiya University SC & ST Employees Association 1991 – 2006**

As a dalit, I have a social, moral and ethical obligation to voice the problems of unheard. Me as a literate among the dalits, have taken a constructive approach to support my clan by motivating them to organize and solve the problems. My efforts have given positive results as many of the dalit students were doing well as researchers and teachers.

**21. Competitive Examinations**

Awarded Council of Scientific and Industrial Research (CSIR) Fellowship (JRF & SRF) for pursuing Ph.D in the year 1985.

Qualified for Civil Services Preliminary examination and appeared for Mains (IAS) in the year 1987-1988 (**HT.No.029838**)

**Prof. Gade Dayakar**