

Research Profile of the faculty members of the Department of Chemistry, KSCD

Dr. (Mrs) M. S. Salunke
Professor and Principal

Area of Specialization: Inorganic chemistry
Email: mssalunke@gmail.com



Dr. Manjali S. Salunke has 34 years of teaching experience in Chemistry both for B.Sc. and M.Sc. courses. **Her research field is Reaction Kinetics. She has published 14 research articles in reputed international journals of high impact factor and also presented papers in national and international conferences. She has received financial support for research projects from University Grants Commission (UGC).**

Dr. S. D. Dhumwad

Professor & Head of the Department

Area of Specialization: Inorganic chemistry
Email: dhumwadsd@gmail.com



He has 29 years of teaching experience in Chemistry. **His research field is Synthesis, structural elucidation and biological studies of metal complexes of transition and inner transition elements. He has successfully guided 03 Ph.D. students and 01 student for M.Phil. Programme. So far, He has published 30 research articles in reputed national and international journals of high impact factor. He has completed two minor research projects worth of Rs. 2 lakhs from University Grants Commission (UGC), New Delhi.**

Dr. S. M. Tuwar
Professor

Area of Specialization: Physical chemistry
Email: sm.tuwar@gmail.com



Dr. Suresh M. Tuwar has 27 years of teaching experience in Chemistry both for B.Sc. and M.Sc. courses. **His research field is Electrochemistry and Reaction Kinetics. He has successfully guided 06 Ph.D. students and 01 student for M.Phil. Programmes so far. He has published 55 research articles in reputed international journals of high**

impact factor. He received more than Rs. 25 lakh as a financial support for research projects from various funding agencies viz., *Vision Group on Science and Technology (VGST)*, Government of Karnataka and *University Grants Commission (UGC)*, New Delhi. Two of his research articles are recognized as best research publications for the year 2006 by Taylor and Francis, International Publishers, London and by Government of Karnataka, India in 2010 respectively. He is an author for three books pertaining to experiments in Chemistry (two books are under publication). He is a recipient of “**RashayanShikhsakRatna**” a Best Teacher award in Chemistry.

Dr. (Mrs) V. A. Aminabhavi

Associate Professor

Area of Specialization: Physical chemistry

Email: vidyaaminabhavi@gmail.com



Dr. (Mrs). V. A Aminabhavi has 27 years of teaching experience in Chemistry for both UG & PG Courses. **She has published 04 research articles in international journals and presented research papers in National & International conferences.**

Dr. O. Kotresh

Rtd. **Professor** (retired on 31-7-2024)

Area of Specialization: Organic chemistry

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Dr. O. Kotresh has more than 32 years of teaching experience in Chemistry both for B.Sc. and M.Sc. courses. **His research field is Synthetic Organic Chemistry and study of microbiological applications of synthesized compounds. He has successfully guided 07 Ph.D. students. He has published 52 research articles in reputed National and International journals of high impact factor. He received financial support for research projects from University Grants Commission (UGC), New Delhi. He completed 03 Research Projects.**

Dr. (Mrs) Saraswati P. Masti

Professor

Area of Specialization: Inorganic chemistry

Email: dr.saraswatimasti@@yahoo.com



Dr. Saraswati Masti has 19 years of teaching experience in Chemistry both for B.Sc. and M.Sc. courses. **Her research interest includes Drug Analysis, Polymer composites/Blends for food packaging and wound dressing applications. Currently, 04 students are pursuing for Ph.D. degree under her guidance. She published 41 research papers in reputed international journals of high impact factor viz., Carbohydrate Polymers (Impact Factor:7.182), Food hydrocolloids (Impact Factor:7.053), Biological Macromolecules (Impact Factor:5.162) and others. She has successfully completed major research project of Rs. 41.92 lakhs funded by Science and Engineering Research Board, New-Delhi.**

Dr. R. G. Kalkhambkar

Associate Professor

Area of Specialization: Organic chemistry

Email: rgkalkhambkar@gmail.com



Dr. Rajesh G. Kalkhambkar, is working as Associate Professor in the department of Chemistry in Karnatak Science College, Dharwad. He has more than 12 years of teaching experience in Chemistry both for B.Sc. and M.Sc. courses and 18 years of Research experience. **His research field includes the methodology development in organic synthesis and medicinal chemistry. He has a track record of 58 research publications in highly reputed international journals of high impact factor. His *h-index* is 19, *h-index* is 21 and over more than 1500 citations and 30,000 views.**

He has implemented major and minor research projects, supported by various funding agencies like, PMEB, DST and VGST.

Dr. (Mrs) Jayalakshmi K.

Assistant Professor

Area of Specialization: Physical chemistry

Email: jayatheertha_xrdlab@yahoo.co.in



Dr. (Mrs) Jayalakshmi K has more than 12 years of teaching experience in

Chemistry. She has completed her B.Sc and M.Sc from the Bangalore University and obtained her Ph.D degree from University of Mysore, Mysore under the guidance of Prof. K.S. Rangappa. She worked as a Research Associate at the Centre of Biomedical and Magnetic Resonance (CBMR) centre, Lucknow. She got RA fellowship award from Council of Scientific & Industrial Research (CSIR), Gov. of India. She has completed her second postdoctoral work with Prof. Craig Branch, Director, Gruss Magnetic Resonance Centre, Albert Einstein Medical College, New York, USA. Currently one student is working for Ph. D degree under her guidance.

Dr. K. S. Katagi

Associate Professor

Area of Specialization: Organic chemistry

Email: kskatagi@gmail.com



He has teaching experience in Chemistry for Undergraduate courses like B. E and B. Sc and M. Sc Chemistry courses. **His research areas include; *Oleo Chemistry -Bio-fuel and Synthetic Organic Chemistry*. He is recognized Research Guide under *Karnatak University, Dharwad* and also at *Visweswaraih Technological University, Belgaum, Karnatak India*. He has successfully guided for Ph.D students, Presently Four Research scholars are perusing their Ph.D under his guidance. He has published more than 25 research papers in peer reviewed international journals especially published by *Elsevier, Springer, Taylor and Francis, Wiley publications* etc. One of his research articles published in the Journal of “*Applied Energy*” (ELSEVIER) has the Impact factor of 9.02.**

Dr. S. K. Rajappa

Assistant Professor

Area of Specialization: General chemistry

Email: drrajappask@gamil.com



Dr. Rajappa has 15 years of teaching experience in Chemistry for both UG & PG Courses. **Dr. Rajappa has carried out some significant research work in the field of Electrochemistry particulary in corrosion protection of industrially important metals. He has published 15 research articles in reputed international journals and presented more than 30 research papers in National & International conferences. He has completed UGC- BSR project funded by University Grants Commission (UGC), New Delhi. Presently four research**

students are working under his Ph. D supervision.

Comments:

Faculty members of Chemistry department have progressively involved in various research areas viz., Metal complexes, Reaction Kinetics, Synthetic organic chemistry, Polymer science, Oleo-chemistry, Bio-fuel, Electrochemistry, Corrosion Science, and Biomedical research etc.,. The Karnatak University's Scientific Instrument Centre is the major source of technical support. The department possesses basic research amenities including several sophisticated instruments required for research activities. Department of Chemistry is rated as one of the best for its teaching and research activities. The department has received various research project funds by VGST, UGC, DST, and SERB. In addition to projects, some of the faculty members have received awards for best publications from VGST (Govt. of Karnataka) and young scientist awards from Indian chemical society and other reputed organizations. As on date, Faculty members have published more than 300 research papers in highly reputed journals of good impact factor up to 9.

Name of Instruments available for Research work

1. UV- Vis. Spectrophotometer (AnalytikJena Specord 200 Plus/ Germany)
2. Electro Chemical Work station