

Dr. Arun K. Kadu

Designation : Assistant Professor in Chemistry
Contact : Department of Chemistry, University of Mumbai, Vidyanagari,
Santacruz (E), Mumbai: 400098, India.
Phone : +91- 022- 26543575
Fax : +91- 022- 26528547
Email : kadu.arun@chemistry.mu.ac.in
kadu.arun@ymail.com

Degree	University	Year of Passing
B.Sc. (Chemistry)	University of Mumbai	2001
M.Sc. (Physical Chemistry)	University of Mumbai	2003
NET (Chemical Sciences)	UGC-CSIR	2010
PhD (Chemistry)	University Of Mumbai	2017

POSITIONS HELD

Institution : Vikas College of Arts, Science and Commerce
Designation : Lecturer (H.O.D.)
Period : July 2004 to 24/08/2011(Seven Years)

Institution : S.I.C.E.S. Degree College of Arts Science and Commerce
Designation : Assistant Professor (H.O.D.)
Period : 25/08/2011 11/08/2014 (Two Years six months)

TOPICS TAUGHT

M.Sc. (Part-II): Phase Rule, Thermodynamics and Electrochemistry

M.Sc. (Part-II): Electro-analytical Techniques, Fuel Cells, Electroplating, Batteries, Green Chemistry, Biophysical Chemistry, Electrophoresis, Sensors etc.

RESEARCH INTEREST

Electrochemistry: Electrochemical and Biological Sensors (Ion Selective and Chemically Modified Electrodes), nano-composites for sensors and catalyst. Catalyst for organic reactions.

RESEARCH PUBLICATIONS

- 1 Potentiometric Determination of Proton-Ligand Dissociation Constant of 1-[2-(2-Hydroxybenzilidene) Hydrazono]-1-Phenylpropan-2-One Oxime and Formation Constants of its Complexes with Cobalt, Nickel and Copper in Dioxane-Water System, A. K. Kadu and R. G. Deshmukh, Journal of Chemistry and Chemical Sciences, Vol.6(5), 433-442, May 2016.
- 2 Synthesis and Characterization of Co(II), Ni(II), Cu(II) and Pd(II) Complexes of 1-[2-(5-bromo-2-hydroxybenzilidene)hydrazono]-1-phenylpropan-2-one oxime, A. K. Kadu and R. G. Deshmukh, Journal of Chemical, Biological and Physical Sciences, JCBPS; Section A; August 2016 – October 2016, Vol. 6, No. 4; 1196-1204.
- 3 Evaluation of Proton-Ligand Dissociation Constant of 1-(2-(1-(2-Hydroxyphenyl) Ethylidene)Hydrazono)-1-Phenylpropan-2-One and Formation Constants of its Complexes with Cobalt, Nickel and Copper in Dioxane-Water System by Potentiometry, A. K. Kadu, Sharad S. Sankhe, P. S. Kamble, International Journal for Research in Applied Science & Engineering Technology, Volume 5 Issue IX, September 2017.

PAPERS PRESENTATIONS IN NATIONAL/INTERNATIONAL CONFERENCES

Sr. No	Title of the paper presented	Title of the conference	Date of the event	Organized by	Status
1	Evaluation of Stability Constants of Complexes of HHBHPPO with Co(II), Ni(II) and Cu(II) by Potentiometric Method	29 th Research Scholar's Meet 2017	17 th and 18 th February, 2017	Indian Chemical Society and Department of Chemistry, St. Xavier's College, Mumbai	Regional
2	Equilibrium Studies of Ni(II) And Cu(II) Complexes of HHBHPPO	National Conference on Modern Research trends in Chemistry and Allied Sciences (NCMRTC-017)	25 th February, 2017	J. S. M. College	National
