

Curriculum vitae

Dr. Mukula Shripad Joshi

Highlights

- (i) BRDS-DAE fellowship for Ph.D.
- (ii) Worked as a Guest Scientist at Hahn-Meirtner Institut, Berlin, Germany
- (iii) Instrumental in getting the preliminary data from Pune University LINAC Facility at National Centre for Free Radical Research, Pune, India
- (iv) Development of an aptitude test for the postgraduate students in Chemistry
- (v) Founder coordinator of Placement cell-Chemistry
- (vi) Life Member of Indian Society for Radiation and Photochemists (ISRAPS)
- (vii) Recipient of Dr Hari Mohan Memorial Award

Research Publications

- 1) Application of Vectors on the Miscibility of the Substances, Mukula S. Joshi, Swati M. Kandharkar, Kalyani Bhat, *The Pharma Innovation*, 2017, 7(1), 142-144
Online ISSN: 2277-7695, Print ISSN: 2349-8242 NAAS rating 5.03
- 2) Higher antioxidant property in decoction than raw fruit parts of *Langenaria Sieceraria*(Mol.) Standley as determined by pulse radiolysis, Padmashree Joshi, Mukula Kulkarni, Sushama Joag, *Free Radicals and Antioxidants*, 2013, 3(1), 52-54
ISSN: 2231-2536 Impact factor: 1.272
- 3) Redox chemistry of Cu(II) complexes of 6,7-dicyanodipyridoquinoline: a radiation chemical study, Kulkarni Mukula S., Rao B. S. M., *Inorganica Chimica Acta*, 2010, 363, 1813-1817
ISSN: 0020-1693 Impact factor: 2.046
- 4) Synthesis, Characterisation and Radiation chemical study of Ru(II) complexes of 2 pyridyl quinoxaline; Kulkarni Mukula S., Kumbhar A. S., Mohan H., Rao B. S. M., *Dalton Transactions*; 2009, 6185-6191
ISSN 1477-9226 Impact factor: 4.197

- 5) Free radical research by pulse radiolysis: pune university LINAC facility, P. Yadav, Kulkarni M. S., Shirdhonkar M. B., Rao B. S. M., *Curent Science*, 2007, **92**(5), 599-605
ISSN 0011-3891 Impact factor: 0.833
- 6) Pulse radiolysis study of pyridine-substituted quinoxalines, Kulkarni Mukula S., Kumbhar A. S., Mohan H., Rao B. S. M., *Research on Chemical Intermediates*, 2005, **31**(1-3), 63-72
ISSN: 0922-6168 (Print) 1568-5675(online) Impact factor: 1.221
- 7) Redox chemistry of Ru(II) complexes of 6,7-dicyanodipyridoquinoxaline: a radiation chemical study, Kulkarni Mukula S., Rao B. S. M., Sastri C.V., Maiya B. G., Mohan H., Mittal J. P., *Journal of Photochemistry and Photobiology A: Chem.*, 2004, **167**, 101-109
ISSN: 1010-6030 Impact factor: 2.495

- **Article published**

'Teen lakshavedhi Pustake' at Maharashtra Sahitya Patrika, issue 335, page 44

Talks

- 1) 'Free radical chemistry of metal complexes', two day workshop on Radiation Chemistry for the benefit of users and potential users of the Pulse Radiolysis facility NCFRR at Department of Chemistry, University of Pune, Pune during February 1-2, 2016.
- 2) 'Computers in Chemistry' Summer training program organized under DBT scheme for undergraduate students organized by Department of Chemistry, PES' Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-411016 during June 24-27, 2015
- 3) 'Physical Chemistry', Mukula Joshi, Workshop for the guidance of NET/SET exams for the postgraduate students organized by Department of Chemistry, PES' Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-411016 during March 9-11, 2015
- 4) 'Free radical chemistry of metal complexes', two day workshop on Radiation Chemistry for the benefit of users and potential users of the Pulse Radiolysis facility NCFRR at Department of Chemistry, University of Pune, Pune during

February 1-2, 2012.

- 5) 'Free radicals: A tool to understand the redox chemistry' Mukula Joshi, organized by staff academy Chemistry PES' Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-411016 on October 9, 2011
- 6) Early stages in the growth of small silver particles in the presence of aliphatic alcohol radicals; E. Janata, S. B. Dhiman, E. Kanaki, M.S. Kulkarni, M.S. Alam; 3rd Asia Pacific Symposim on Radiation Chemistry and 10th Bianneal Trombay Symposium on Raiation and Photochemistry; Treasure Islands, Lonavla (Maharashtra) India; September 14-17, 2010; ITRC-06 (presented by Dr. E. Janata)
- 7) Redox Chemistry of Redox Chemistry of Ru(II) Complexes of Substituted Polypyridyl Quinoxaline ; Mukula S. Kulkarni; International Conference on Emerging Trends in Chemistry, (ETIC) Department of Chemistry University of Pune, January 5-7, 2010; IPA-O-20
- 8) Redox Chemistry of Cu(II) complexes of 6,7-dicyano dipyridoquinoxaline, Mukula S. Kulkarni, Recent Developments in Chemistry, Department of Chemistry University of Pune, February 14-15, 2007

Posters

- 1) 'Antioxident activity of Bottle gourd (*Langenria Siceraria*): A comparative Study, Mukula Joshi, Sushama Joag, International Pune university Workshop on Radiation and Photochemistry at Department of Chemistry, University of Pune, Pune during January 10-12, 2016.
- 2) Synthesis, characterisation and pulse radiolysis study of Cu(II) polypyridyl complexes Mukula S. Kulkarni, B.S.M. Rao; 3rd Asia Pacific Symposim on Radiation Chemistry and 10th Bianneal Trombay Symposium on Raiation and Photochemistry; Treasure Islands, Lonavla (Maharashtra) India; September 14-17, 2010; poster no RC-064 (selected as the best poster)
- 3) Study of antioxidant activity of Bottle gourd (*Langenria Siceraria*); Mukula S. Kulkarni, Sushama D. Joag, Padmashree R. Dekhane, B. S. M. Rao; National Symposium on Radiation and Photochemistry, Kumaun University Nainital (Uttarakhand) India, March 12-14, 2009; poster no RC-5
- 4) Radiation chemical oxidation of Ag⁺; Mukula S. Kulkarni, E. Janata; Trombay

Symposium on Radiation and Photochemistry, YASHADA, Pune (Maharashtra) India; January 7-11, 2008; poster no RC-37

- 5) Redox chemistry of Cu(II) complexes of 6,7-dicyano dipyridoquinoxaline; Mukula S. Kulkarni, B. S. M. Rao; PHOTORADCHEM-2007, Mahatma Gandhi University, Kottayam (Kerala) India; February 8-11, 2007; poster no P-17 (selected as the best poster)
- 6) Radiation chemical study of Cu(II) complexes of 6,7-dicyano dipyridoquinoxaline; Mukula S. Kulkarni, B. S. M. Rao; Trombay Symposium on Radiation and Photochemistry, Bhabha Atomic Research Centre, Mumbai (Maharashtra) India, January 5-9, 2006; poster no RC-25
- 7) Redox chemistry of model Ru(II) complexes: a radiation chemical study, Mukula S. Kulkarni, B. S.M. Rao, C. V. Sastri, B. G. Maiya, H. Mohan, J. P. Mittal, *National Symposium on Radiation and Photochemistry*, Karnatak University, Dharwad, India, January 17-19, 2005, poster no RC-5
- 8) Free radical chemistry of ruthenium polypyridyl complexes: a radiation chemical study, Mukula S. Kulkarni, B. S. M. Rao, *24th Miller Conference on Radiation Chemistry, La Londe, France*, September 10-15, 2005 (presented by Dr. B. S. M. Rao)
- 9) Redox chemistry of Ru(II) complexes of 6,7 dicyanodipyrido quinoxaline: a radiation chemical study, Mukula S. Kulkarni, B. S. M. Rao, B. G. Maiya, C. V. Sastri, H. Mohan, *Trombay Symposium on Radiation and Photochemistry*, Bhabha Atomic Research Centre, Mumbai, India, January 8-12, 2004, poster no RC-6
- 10) Redox chemistry of model Ru(II) complexes: a radiation chemical studies, Mukula S. Kulkarni, B. S.M. Rao, C. V. Sastri, B. G. Maiya, H. Mohan, J. P. Mittal, *National Symposium on Radiation and Photochemistry*, Indian Institute of Technology, Kanpur, India, March 3-5, 2003, poster no R-1

Workshops attended

- 1) Participation in the workshop on 'Syllabus Restructuring of T.Y.B.Sc.' organized by A.R.Telang College, Nigdi on 8th January 2015
- 2) Workshop on NET and SET examination held at Department of Chemistry, PES' Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-411016 during March 2-4, 2012
- 3) State level workshop on Microscale Techniques in Physical Chemistry held at Abasaheb Garware college, Pune-411030 during February 21-22, 2012
- 4) Pune University Workshop on Radiation and Photochemistry, organized at Department of Chemistry, university of Pune during January 9-11, 2008
- 5) Participation in the workshop on 'Syllabus Restructuring of Master of Science' organized by University of Pune on 24th December 2007
- 6) Workshop on Radiation and photochemistry organized at Homi Bhabha Centre for Science Education, Mumbai, During January 5-7, 2004
- 7) Pune University Workshop on Radiation and Photochemistry, organized at Department of Chemistry, university of Pune during January 3-4, 2002