



CURRICULUM VITAE

Dr. J. MADHUKAR

Assistant Professor

Department of Chemistry

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Ph.D. Kakatiya University 1998

Joined the University Service in 2007, served the university earlier as a Contractual Lecturer for 10 years

Research Project

UGC - Major Research Project entitled Purification and characterization of riboflavin binding protein. from Egg-white and Egg-Yolk of common crane (Grus grus).

Project amount: Rs. 9,21,800/- (3 Years)

(File no: 35-150/2008 (SR) Dated 20/03/2009)

Research Publications

1. J. Madhukar, Chandra Mouleswararao Jillepalli Synthesis and Characterization of 3,4-Dihydropyrimidin-2-(1H)-ones: Development of Efficient Protocol for Biginelli Reaction using GeI₄, American Journal of PharmTech Research.
2. J. Madhukar, B. Praveen and J. Chandramouli A Simple and efficient protocol for the synthesis of 1, 4-dihydropyridines (Hantzsch pyridines) catalyzed by Germanium (IV) iodide Organic Communications ACG Pubs. 2014.
3. J. Madhukar and V. Nagashyam Synthesis of Novel Substituted-3, 5-dimethyl 1HPyrazolyl Phthalazine-1, 4-diones International Journal of Chemical Sciences:12(1), 2014, 217-224
4. J. Madhukar, Ch. Nagavani and J. Chandramouli. FeCl₃ Mediated Efficient Method for the Synthesis of Tetrahydropyran derivatives via Cross-cyclization of Epoxides and Homoallylic Alcohols International Journal Industrial chemistry. 4, 30. 2013.
5. J. Madhukar, and P. Srinivas. Isolation, Purification and Characterization of Riboflavin binding protein From Common Crane (Grus grus) egg-white. Journal of Technological Spectrum. (2012)
6. J. Madhukar and Ch. Nagavani. Iodine mediated mild and efficient method for the synthesis of tetra hydropyranpyrans via cross cyclisation between epoxides and homoallylic alcohols. Oriental Journal of Chemistry volume 26, issue No.3, 2010.
7. J. Madhukar, J., Vijaya Lakshmi, R. and Prasad, M.S.K. Isolation and amino acid composition Pigeon (Columba livia) Egg-white and egg-yolk of Riboflavin carrier

protein. Asian Journal of Biosciences. (2007) 2(1): p 1-4.

8. J. Madhukar R. Vijaya Lakshmi and M.S.K. Prasad. Purification and characterization of Riboflavin Carrier Protein from Egg-Yolk of Pigeon and Hen. Asian Journal of Biosciences. Vol. 01.No.2, 2007. Page No.157-159.

9. J. Madhukar, V. Ravinder, and Ch. Ravinder. Impact of Heavy Metals on Ground Water and Soil Quality in Warangal Town A.P.: Asian Journal of Environmental Science, vol.25 (No.2) December, 2006.

10. J. Madhukar R. Vijaya Lakshmi and M.S.K. Prasad. A Comparative Study on the Riboflavin Carrier Protein from Egg White and Yolk of Pigeon (*Columba Livia*) and Hen (*Gallus gallus*) Bulletin of Pure Applied Sciences Vol. 25C.(No.1), 2006. Page No.33-38.

11. J. Madhukar, V. Ravinder, and Ch. Ravinder. Municipal waste management of Warangal town In Andhra Pradesh-An Environmental Perspective: Asian Journal of Environmental Science. Vol. 01. No.2, December 2006. Page No. 1-3.

12. J. Madhukar, V. Ravinder, and Ch. Ravinder. Impact of Heavy Metals on Ground Water and Soil Quality in Warangal Town A.P.: Asian Journal of Environmental Science, vol.25 (No.2) December, 2006.

13. J. Madhukar, and M.S.K. Prasad. Isolation, Purification and Characterization of Riboflavin binding protein From quail (*Coturnix coturnix*) egg-yolk. Indian Journal of Comparative Animal Physiology. Vol. 24. Issue No.2, 2006.

14. J. Madhukar, and M.S.K. Prasad, Purification and Characterization of Riboflavin binding protein from quail (*Coturnix coturnix*) egg-white. Indian Journal of Comparative Animal Physiology. Vol. 24, Issue No.1, 2006.

15. J. Madhukar, Calcium Role in Health and Disease Prevention Health Action, November, 2006.

Manuscripts in preparation:

1. J. Madhukar, and B. Praveen kumar. Niobium (V) Chloride (NbCl_5) Catalysed synthesis of 3, 4 - dihydro pyramidine-2(1H) ones-Biginelli reaction.

Research Presentations

1. 20th International Conference of International Academy of Physical Sciences (CONIAPS XX) On Recent Advances in Physical Sciences and Future Challenges July 14-16, 2017 Organized by Faculty of Science (Departments of Mathematics, Physics and Chemistry), Osmania University, Hyderabad - 500007, Telangana, India

2. UGC Sponsered Two Day National Seminar on Green Chemistry for Sustainable Development (GCSD-2017) 6th & 7th April, 2017 Organized by Department of Chemistry, Govt. Degree College, Jammikunta, Sathavahana University, Karimnagar, Telangana

3. UGC Sponsored Two Day National Seminar on Recent Trends Challenges in Chemical Sciences (RTCCS) on 24th & 25th March, 2017 Organized by Department of Chemistry, Kakatiya University, Warangal, Telangana

4. UGC Sponsered National Seminar on Recent Advances in Chemistry 30 & 31 March, 2015 Organized by Department of Chemistry, Kakatiya University, Warangal, Telangana

5. DST Sponsored - National Conference on Sustainability through Chemical and Biological Sciences 19th & 20th March 21, 2015 organized by Department of Physics & Chemistry Mahatma Gandhi Institute of Technology, Hyderabad

6. International Conference on Chemical and Bioprocess Engineering India (ICCBPE-IN, 2013) November 16-17, 2013 Under TEQIP-III Organized by Department of Chemical Engineering,

National Institute of Technology, Warangal, Andhra Pradesh, India.

7. 5th International symposium on drug development for orphan/neglected diseases at CDRI Lucknow Feb 26th - 28th, 2013.
8. International Conference of Biotechnology at Kakatiya University Feb 6th - 8th, 2013.
9. 2nd International Indo-German Symposium 2012 October 29 to 31 October, 2012 organized by Indian Chemical Technology, Mumbai. Sponsored by Department of Science and Technology & Federal Ministry of Education & Research, Germany. (Best Poster Presentation Award)
10. Nano Technology for Future Drug delivery UGC sponsored National Seminar on New Vistas in Chemistry during 21st Century Organized by Department of Chemistry, Pingili Govt. College, (UG & PG) for Women, Waddepally, Warangal on 11th & 12th September, 2009.
11. Nanoparticle - Golden Bullets for Cancer Treatment UGC sponsored National Seminar on New Vistas in Chemistry during 21st Century Organized by Department of Chemistry, Pingili Govt. College, (UG & PG) for Women, Waddepally, Warangal on 11th & 12th September, 2009.
12. Induction and Inhibition of Ciprofloxacin resistance-conferring Mutations in Hyper Mutator Bacteria UGC sponsored National Seminar on Environmentally Benign Synthetic Methodologies in Chemistry. Organized by Department of Chemistry, University Arts & Science College, Kakatiya University, Warangal on 9th & 10th Feb, 2009.
13. Bacterial Proteomics and its role in antibacterial drug discovery UGC Sponsored National Seminar on Recent Advances in Molecular Microbiology and Microbial Technology Organized by Department of Microbiology Kakatiya University, Warangal, AP. held on from Jan.22 to 24th, 2009.
14. J. Madhukar, K. Yadagiri Rao, and M.S.K Prasad. Riboflavin Transport Proteins of Eggwhite and Egg-Yolk: purification and immunological characterization. XII Conference of Indian Council of Chemists, Organised by Department Of Chemistry, Kakatiya University, Warangal, 1993 P75.
15. J Madhukar and M.S.K.Prasad Purification and Characterization of Riboflavin Binding Protein from Quail (*Coturnix coturnix*) Egg-White, National Symposium on Emerging Research Trends & Developments in Chemistry. 16th & 17th December 2003. Organized by Department of Chemistry, University Arts & Science College, Kakatiya University, Warangal.

Participated in International/National Conference/ Symposia:

1. International conference at Microbiology at Kakatiya University 2012
2. International conference at Pharmaceutical college at Kakatiya University 2012
3. National Symposium of Catalysis at IICT Hyderabad Feb 15 - 18, 2013
4. International Conference on Biotechnology : A Global Scenario on 2nd to 4th Nov, 2010 organized by Department of Biotechnology, Kakatiya University, Warangal
5. Two Day Workshop on Biology Applications of Computers and Bioinformatics on 6th & 7th October, 2010 organized by Department of Zoology, Kakatiya University, Warangal
6. National Seminar on Recent Trends in Animal Sciences Sponsored by UGC 12th & 13th March, 2009, organized by Department of Zoology, Kakatiya University, Warangal
7. National Seminar on Recent Advances in Molecular Biology & Microbial Technology on 22-24 January, 2009 organized by Department of Microbiology, Kakatiya University, Warangal
8. International Conference on Plant Biotechnology and Molecular Biology on 15th-17th Aug. 2008, Organized by Department of Biotechnology, Kakatiya University, Wgl.

9. National Conference on Frontiers in Bioinformatics and Biotechnology on Jan 3rd & 4th, 2008 organized by Department of Biotechnology, Kakatiya University, Wgl.

Workshops / Refresher Courses

1. A One week Faculty Development Programme on Developing Teaching Competencies in Teachers of Higher Education organized by the Teaching Learning Centre, National Institute of Technology (NIT), Warangal during 13th - 19th May, 2017.
2. A One Day Workshop on Process Oriented Guided Inquiry Learning (POGIL) Organized by the Teaching Learning Centre, National Institute of Technology (NIT) Warangal during 12th December, 2016.
3. A Three Day National level Faculty Development Workshop on Technologies for Development and Delivery of Instructional Materials for E-Learning Organized by the Teaching Learning Centre, National Institute of Technology (NIT) Warangal during 8th-10th December, 2016.
4. UGC Sponsored (Human Resource Development Centre (HRDC) and Regional Centers for Capacity Building (RCCB)) Refresher Course on "Soft Skills for Professional Excellence" from 30-11-2015 to 19-12-2015, held at Jawaharlal Nehru Technological University, Hyderabad, Telangana State.
5. Science Academies Refresher Course on Modern Biotechnology: Concepts & Practice (MBCP-2013) May 15th - 29th 2013 organized by Department of Biotechnology, Madurai Kamraj University, Madurai.
6. Lectures workshop by Zoology department Kakatiya University sponsored by AP science academy 2012
7. ICMR Sponsored workshop Hands on Training Program in PCR Blotting Techniques for Clinical Applications organized by Division of Biochemistry Rajah Muthiah Medical College, Annamalai University, Chidambaram, TN during Jan 21-22, 2012.
8. UGC Refresher Course 2011
9. UGC Orientation Course 2010

AWARDS

Best Poster Presentation Award in 2nd International Indo-German Symposium 2012 October 29 to 31 October, 2012 organized by Indian Chemical Technology, Mumbai. Sponsored by Department of Science and Technology & Federal Ministry of Education & Research, Germany.

Ph. D. Awarded

Dr. S. Nagavani (2014)

Synthesis of Thiiranes and Tetrahydropyrans using Novel Methodologies Dr. J.

Chandramouleshwararao (2016)

Stereoselective Synthesis of an antiviral agents Sattabasin and Development of Synthetic Methodologies Using Germanium Iodide

Ph. D. Research Scholars

Mr. P. Srinivas

Mr. B. Praveen

Mr. V. Nagashyam