

CURRICULUM VITAE

PERSONAL DETAILS

NAME : **Dr. Madhukar Rao Kudle**
Assistant professor (Contract)
ADDRESS : Department of Biochemistry, Kakatiya University
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CAREER OBJECTIVE:

To work in an organization/Institution which promotes learning and acquiring new skills to make a positive contribution to the organization/Institute well as aid my future.

RESEARCH EXPERIENCE:

Eight years of research experience on protein purification.

CORE COMPETENCIES:

Capable of adjusting to any working conditions with a mixed medley of professionals ability to analyze situations & react by providing a perfect mix of practical knows-how posses adequate level of inter-personal communication skill and Convincing power ability to take on implement different assignments along sideline of responsibility

ACADEMIC QUALIFICATIONS:

Course	University/Board	Year
Ph. D in Bio Chemistry	Kakatiya University	2008-12
M.Sc (Bio Chemistry)	Kakatiya University	2005-07
B.Sc (Bt.B.C)	Vagdevi Degree & P.G College, K.U, Warangal	2001-04
Intermediate (B.P.C)	Board of intermediate Education	1999-01
SSC	Board of Secondary Education	1998-99

TEACHING EXPERIENCE:

- Working as part-time lecturer in Department of Biochemistry, University College, Kakatiya University, Warangal from 2007 to 2013.
- Asst.Professor (Contract). Department of Biochemistry, University College. Kakatiya University. 2013 to till date.

AREAS OF INTEREST:

- Biochemical Techniques, Protein purification, Chromatography Techniques, Immunology, Electrophoresis Techniques, Nanotechnology and Cancer biology.

TECHNICAL QUALIFICATIONS:

Post Graduate Diploma in Computer Applications from APPI with 'A' grade, January 2003-2004.

ORAL / POSTER PRESENTATIONS, ABSTRACTS & CONFERENCES:

- Participated entitled International conference on plant Biotechnology and Molecular Biology. Department of Biotechnology, Kakatiya University Warangal. 15th, 17th August 2008.
- Participated and submitted an abstract entitled "Isolation and Purification of Riboflavin Binding Protein from Coot Egg Yolk (FulicaAtra)". National Conference on Plant Science in Human Welfare. Organized by Department of Botany, Kakatiya University Warangal. 3rd, 4th March, 2010.
- Participated Conference International Conference On "Recent Advances in Drug Discovery" Organized by University College Pharmaceutical Science, Kakatiya University, Warangal. 22nd to 24th, October 2010.
- Participated International Conference on Biotechnology "A Global Scenario" Organized by Department of Biotechnology Kakatiya University Warangal. 2nd, 4th, November 2010.
- National seminar on emerging trends in animal biotechnology, Organized by Department of Zoology, Kakatiya University, Warangal. On 26 and 27 March, 2010.
- National conference on Leke kolleru-the wet ecosystem conflict between development and environment in association with AP Pollution Control Board (APPCB), Department of Biotechnology, Machilipatnam, Krishna University. On February 2-3, 2011.
- Participated Conference at "Modernizing Science Tools" for the 21st Century Held on 1st September, 2012, CCMB. Hyderabad.
- Participated National Convention on Peoples Contribution in Biodiversity Conservation and Environment. Organized by Nizam college, Hyderabad and Jana Vigana Vedika (A.P.), 25th and 26th September 2012.
- Two days lecture Workshop sponsored by: Uses of Recombinant DNA Technology in Modern Health care on 30th November & 1st December, 2012, Sponsored by science education Panel, Bangalore, Organized by Department of Zoology, Kakatiya University, Warangal.
- Participated in two days national Conference on Declining Interest in Science Education and Research Among students: Reasons and Remedies. held on 29-30th March, 2013 at IICT-Hyderabad.
- Participated in two days 45th annual National conference theme: inter -Sectoral Approach to Promote Food & nutrition Security of India held at the national Institute of Nutrition, ICMR, Hyderabad on 21-22 November, 2013.
- Participated in three days national seminar On MODERAN TRENDS IN MINERAL EXPLORATION AND ENVIRONMENT STUDIES Held at the Department of Geophysics, during 14-16, March, 2013. The Seminar is organized under the Department Special Assistance (DSA) SAP-II, UGC Program, New Delhi. Osmania University.
- Participated in a Two-day work shop on Recent advances in structure based drug design, held on 27th & 28th February, 2013, at Department of Biotechnology, K.L University in association with Schrodinger LLC, USA.

- Presented a Oral in two days national seminar On “Emerging challenges and Innovative Strategies in Freshwater Ecology, Biodiversity and Applied Toxicology” held at Nizam college (A), Osmania University, Hyderabad on 26th to 27th September, 2014.
- Participation certificate of National center for Laboratory Animal Science at National Institute of Nutrition has in the seminar on Recent practices for the improvement of Animal welfare during the WORLD LABORATORY ANIMAL DAY CELEBRATIONS on 25th April, 2015.
- Participated in two days’ national seminar On Advances in Microbial technology” during 29th -30th May, 2015 Organized by the Department of Microbiology, Osmania University, Hyderabad.
- Speaker and Oral Presented in three days International Conference on Biochemistry, Nutrition & Pharmacy in human welfare: Recent trends and future challenges(ICBNP-2015) held at the Department of Biochemistry, Osmania University, Hyderabad on 3rd to 5th, September-2015 and Awarded Best oral presentation.
- Attended the 47th annual National conference, Theme: Nutrition and Agriculture-the Connect and the Disconnect, at National Institute of Nutrition, Hyderabad. On 9-10 October, 2015.
- National conference On “New Frontiers in Diagnosis & management of Genetic Diseases, Organized by Institute of Genetics & Hospital for Diseases, Osmania University from 29th to 30th January 2016.
- National conference on “New Trends in Reproductive Health and Biochemistry” Held on 8th November, 2016 At Department Biochemistry, University College of Science, Osmania University.
- Workshop On Purification and Biochemical Characterization of Recombinant protein, held at Central Facilities for Research & Development (CFRD) On 9th-10th November 2016, Osmania University, Hyderabad-500007, Telangana state.
- National conference on “**Molecular Insights in genetics & Biotechnology Emerging Trends and Future prospects**” Organized by Department of Genetics & Biotechnology, Osmania University, Hyderabad from 27 and 28 February 2017.

BOOKS, CHAPTERS: 02

1. TRENDS IN EXPERIMENTAL BIOLOGY. (**Excel India Publishers New Delhi**) ISBN: 978-93-84869-60. Effect of vitamin supplementation on Cisplatin induced intestinal epithelial cell apoptosis in chronic vitamin –Restricted rats.2016
2. PURIFICATION AND CHARACTERIZATION OF RFBP FROM COOT, EAGLE AND HEN. (ISBN 978-3-330-03453-2), Lap Lambert Academic Publishing, Germany.2017

PUBLICATIONS:

1. Vijay Lakshmi Bodiga, Praveen kumar Vemuri, **Madhukar Rao Kudle**,Sreedhar Bodiga Zinc ionophores isolated from terminalia bellirica fruit rind extract protect against cardiomyocyte hypoxia/reoxygenation injury.Bioorganic &Medicinal chemistry 46(2021)116394.
2. Vijay Lakshmi Bodiga, Praveen kumar Vemuri, **Madhukar Rao Kudle**,Sreedhar Bodiga Ellagic Acid from Terminalia Arjuna Fruits Protects against Chrominm and Cobalt Toxicity in Primary Human Lymphocytes. Springer science nature August 2021-2011-021-02900-1.
3. Vijay Lakshmi Bodiga, **Madhukar Rao Kudle**, Praveen kumar Vemuri, Sreedhar Bodiga Crocin inhibits urea-induced amyloid formation by bovine B-lactoglobulin. The ROYAL

SOCIETY OF CHEMISTRY and the Centre National de la Recherche Scientifique 2021.
New.j.chem 2021 45.2589-2596.

4. Vijay Lakshmi Bodiga, Jagadeesh Bathula, **Madhukar Rao Kudle**, Praveen kumar Vemuri, Sreedhar Bodiga, Andrographolide suppresses cisplatin-induced endothelial hyperpermeability through activation of P13K/Akt and Enos-derived nitric oxide. *Bioorganic & Medicinal Chemistry*. Bioorg. Med. CHEM. 28(2020) 115809.
5. Karunakar Rao Kudle, Lavanya.M, **Madhukar Rao Kudle** and M.P. Pratap Rudra. Phytochemical study and green synthesis characterization of silver nanoparticles, fluorescent characteristics on *sphaeranthus indicus*. *J. plant. Journal of chemical and Pharmaceutical Sciences*. (ISSN 0974-2115), 2017. UGC Approval Journal.
6. Karunakar Rao Kudle, **Madhukar Rao Kudle** and M.P. Pratap Rudra. Purification and Characterization of riboflavin Carrier Protein from Guinea Pig serum and Cytotoxic activity of its Antisera against Hela cancer Cells. *Journal of chemical and Pharmaceutical Sciences*. (ISSN 0974-2115), 2017. UGC Approval Journal.
7. Vijaya Lakshmi Bodiga, Santhi priya inapurau, Praveen kumar vemuri, **Madhukar Rao Kudle**, Sreedhar Bodiga. Intracellular Zinc Status Influences Cisplatin –Induced endothelial Permeability Modulation of PKC- α , NF-Kb and ICAM-1 expression. *Molecular and Cellular Pharmacology*, Available online 08 September 2016.
8. Vijaya Lakshmi Bodiga, **Madhukar Rao Kudle**, Sreedhar Bodiga. Silencing of PKC- α , TRPC1 or NF- κ B expression attenuates cisplatin-induced ICAM-1 expression and endothelial dysfunction. *Biochemical Pharmacology*, Available online 20 August 2015.
9. Velpula Suresh, Karunakar Rao Kudle, **Madhukar Rao Kudle** and M. P. Pratap Rudra. Evolution of hydrogen production from photosynthetic bacteria using a single channel hydrogen electrode detector. *Journal of Chemical and Pharmaceutical Research*, 2015, 7(7):203-209, ISSN : 0975-7384. CODEN(USA): JCPRC5
10. Karunakar Rao Kudle, **Madhukar Rao Kudle**, Y. Prashanthi, Ramchander Merugu and M.P. Pratap Rudra. Silver Nanoparticles Synthesis, Stabilization and Characterization by Different Concentrations of Acacia senegal (L.) Willd. Extract and Evaluation of their Antibacterial Activity. *International Journal of Pharmacognosy and Phytochemical Research* 2014; 6(2); 210-212. ISSN: 0975-4873.
11. Nadhira Nikhath, **K. Madhukar Rao**, K. Srikanth Chari, N. Ramaswamy and M. S. K. Prasad. Isolation and purification of riboflavin binding protein from ostrich egg (*Struthiocamelus*). *Annals of Biological Research*, 2014, 5 (2): Pag. 92-95 (ISBN: 0976-1233).
12. Karunakar Rao Kudle. Manisha R Donda, Jahnvi Alwala, **Madhukar Rao Kudle**, B. Sreedhar, M.P. Pratap Rudra. Synthesis of silver nanoparticles From *Phyllanthus reticulatus*: An investigation on the effect of Broth (Leaves and Root) concentration in reduction mechanism and particle size. *World Journal of Pharmacy and Pharmaceutical Sciences* Volume 2, Issue 5, 2839-2849
13. Karunakar Rao Kudle, Manisha R Donda, **Madhukar Rao Kudle**, Y. Prashanti, Ramchander Merugu and M.P. Pratap Rudra. Investigation on the Cytotoxicity of Green Synthesis and Characterization of Silver nanoparticles using *Justicia adhatoda* leaves on human epitheloid Carcinoma cells and evaluation of their antibacterial activity. *IntJ.Dev.(IJDDR)* SJR6(1). Pag. 113-119 (ISSN: 0975-9344). (Factor 0.18).

14. Karunakar Rao Kudle, Manisha R Donda, Ramchander Merugu, Y.Prashanthi, **Madhukar Rao Kudle**, M.P.PratapRudra. Green Synthesis of Silver Nanoparticles Using Water Soluble Gum of SterculiaFoetidaAnd Evaluation of its Antimicrobial Activity. Int .J.Res.pharm .Sci.,IJRPS.(Impact factor-1.0).4(4).Pag.563-568.(ISSN: 0975-7538).
15. Karunakar Rao Kudle, Manisha R Donda, **Madhukar Rao Kudle**, Ramchander Merugu,Y.Prashanthi. M.P.PratapRudra. Fruit (Epicarpand Endocarp) Extract Mediated Synthesis of Siliver Nanoparticles From Sterculia Foetida Plant and Evaluation of Their AntimicrobialActivity. Nanoscience and Nanotechnology; An International Journal.3. (3).Pag.56-59. (ISSN: 2278-1374).
16. Karunakar Rao Kudle, Manisha.R.Donda, Ramchandander Merugu, **Madhukar RaoKudle**, M.P.PratapRudr. Microwave assisted green synthesis of silver nanaoparticles using Boswelliaserrata flower Extract and evaluation of their antimicrobial activity. Int.J.Pharm.2013, 4(6) Pag.197-2000.(ISSN:2230-8407).
17. **Madhukar Rao Kudle**, Karunakar Rao Kudle,Manisha. R. Donda, M. P. PratapRudra.Synthesis, characterization and antimicrobial activity of silver nanoparticles formed using *Moringaoleifera lam* gum. Nanoscience and Nanotechnology: An International Journal 2013; 3(3):45-48(ISSN: 2278-1374).
18. B.Sathish kumar, **K. Madhukar Rao**, Madhusudha M. Krishna Reddy MSK Prasad. Isolation and evaluation of Antifertility activity of totalalkolides from leveasaegelemarmelos in Males albinos Rats (*RattusNorvegicus*). International journal of applied biology and pharmaceutical Technology.vol.2 (3), pag.178-183(ISSN:0976-4550).
19. **Madhukar Rao K**, B. Satheesh Kumar, Bindhu Rajan, J. Madhukar, and MSK Prasad. Purification and Characterization of Riboflavin binding protein from the Egg white of Coot (*Fulicaatra*). International Journal of Pharmacognosy and Phytochemical Research 2015. Pag.27-29 (ISBN:0976-4550).
20. **Madhukar Raokudle** and MSK Prasad. Glycoprotein staining of Riboflavin Binding Protein from the Coot (*Fulicaatra*) and Hen (*Gallus gallus*): A Comparative Study. Journal of Atoms and Molecules An International online Journal Vol.3 (1): 2013/ Pag.448-453(ISBN: 2277-1247).
21. **Madhukar Rao Kudle** and MSK Prasad. Isolation and Immunological Characterization of Riboflavin Binding Protein from the Eggs of Coot (*Fulicaatra*)and Hen (*Gallus gallus*).Journal of Biological and Chemical Research.Vol.29,Pag.2:291-297(2012)(ISBN-2319-3077).
22. **Madhukar Rao Kudle** and MSK Prasad. Purifecation and immunological Characterization of Riboflavin Binding Protein from Eagle (*Aquila Hastate*) and A Comparative Study .Journal of Scientific Research in Pharmacy.Vol.1 Issue 3. 2012Pag.98-101(ISBN: 2277-9469).
23. **Madhukar Rao Kudle** ,Satheesh Kumar Boddu and Prasad MSK. Purification and characterization of Riboflavin Binding Protein from the Egg white of Eagle (*AquilaHastate*). International Journal Pharmaceutical Sciences and Research.Vol.3 (3), 494-496. (ISBN: 0975-8232).
24. **K MadhukarRao** , B.Satheesh kumar, Bindu Rajan and MSK Prasad.Isolation and Purification of Riboflavin binding Protein from Coot Egg Yolk (*FulicaAtra*). International Journal of Plant Animal and Environmental Science.Vol.2 (1), Jan-Mar2012.Pag.121-125.(ISBN:2231-490).
25. **K Madhukar Rao** and MSK Prasad. Purification and characterization of Riboflavin binding protein (RfBP) from Hen (*Gallus Gallus*) eggs using DEAE Sepharose colomn chromatography.

International journal of applied Biology and Pharmaceutical technology.Vol.2 (1) Jan- mar 2011.Pag.27-29(ISBN: 0976-4550).

26. Karunakar Rao Kudle, **Madhukar Rao Kudle**, M.Shirisha and M.P.Pratap Rudra. Antibacterial Activity of Grandiflora (*Nicotiana Alata*) Mediated Green Synthesis and Characterization of Silver Nanoparticles. International Journal of Pharmacognosy and Phytochemical Research 2015(ISSN: 0975-4873).
27. Anil Kumar. Purnakanti, Karunakar Rao kudle, **Madhukar Rao kudle**, B.Niraja. Evaluation of Three Mosquito Larvicidal Efficacy of Root Extracts Of *Sphaeranthus Indicus*. International Journal of Pharmacognosy and Phytochemical Research 2015,(ISSN: 0975-4873).
28. Karunakar rao kudle, **Madhukar Rao Kudle** and M.P.Pratap Rudra. Prediction of Riboflavin carrier protein secondary structure using K₂D₂ web tool. Int .J.Res.pharm .Sci., 2015.
29. **Madhukar rao kudle**, B.Sathish kumar, M.S.K.Prasad. Isolation and Purification of Riboflavin Binding protein from Eagle egg yolk (Aquila Hastate). International Journal of Applied Biology and Pharmacetical Technology.Vol.3 (1), 351-354.(ISSN.0976-4550).

REVIEW ARTICLES:

1. Karunakar Rao Kudle, **Madhukar Rao Kudle** and M. P. Pratap Rudra. A critical evaluation of structure, mechanism and functions of Riboflavin Carrier protein. Journal of Chemical and Pharmaceutical Research, 2015, 7(8) : 761-773. ISSN: 0975-7384 CODEN (USA): JCPRC5.

REFERENCES:

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DECLARATION

I, hereby declare that all the statements made in the application are true to the best of my knowledge and I belief also aware that my application is liable to be rejected if the information given above is incomplete or found to be incorrect.

Place: Warangal

Date:

(Dr. MADHUKAR RAO KUDLE)

