

BIO-DATA

Name: **Dr. A. Uma**
Designation: Asst. Professor
Department/Institute/University: **Centre for Biotechnology**
Institute of Science and Technology
Jawaharlal Nehru Technological University,
Mobile: +91-9848120819
Email: vedavathi1@gmail.com,
vedavathi1@jntu.ac.in

Date of Birth: 15-04-1969

Life member of Indian science congress, society for biological chemists, qdra

Class	Name of the Board/University	School/College	Year	Subjects taken
S.S.C	Board of secondary education	St.Joseph's High School, Nellore	1984	
Intermediate	Board of Intermediate education .A.P	V.R College,Nellore	1986	Biology, Physics & Chemistry
B.Sc.	Nagarjuna University	C.S.R Sarma College Ongole	1989	Botany, Zoology & Chemistry
M.Sc.	Sri Venkateswara University, A.P	Sri Venkateswara college of Arts & Sciences, S.V.University,Tirupathi, A.P	1991	Biochemistry
M.Tech	I.I.T –Delhi	I.I.T –Delhi	1993	Chemical analysis & Control. Specialization of Biotechnology
Ph.D.	Sri Venkateswara University, A.P	Sri Venkateswara college of Arts & Sciences, S.V.University,Tirupathi, AP	2007	Biochemistry

Position and Employment:

Sl No.	Institution Place	Position	From (Date)	To (date)
1.	Dr.Reddy's research foundation, Hyderabad, A.P	Biochemist	1994	1995
2.	Department of Biochemical Engg. & Biotechnology, I.I.T –Delhi	R.A	1995	1996
3.	S.S.N College, Ongole, A.P	Assistant professor	1996	2002
4.	Sri PadmavathiMahila University, Tirupathi, A.P	Assistant Professor	2004	2005
5.	C.C.M.B, Hyderabad	DST Fast track fellow	2005	2006
6.	JNTUH, Hyderabad.	Assistant Professor	2006	Till Date

Honors/Awards

1. GATE Fellowship in 1992.
2. DST Young scientist fellowship in 2005.

Ongoing & Completed Research Project(s)

- DST sponsored Fast track fellowship on” *To study the role of CA 125, Kallikreins, Estrogens and progesterone as a set of integrated biomarkers in ovarian cancer*” 2005.
- UGC minor Research Project “*To Isolate and Characterize Synergistic Compounds of β -Lactams against Methicillin Resistant Staphylococcus aureus from Selected Plant Extracts*” 2007.
- DST sponsored Project on “*Rasayana Therapy*” as Co-investigator, 2008.
- AICTE sponsored Project on “*Production of Bioethanol from CBL waste of Paper mills*” 2009
- CSIR sponsored Project on “*Production of Bioethanol from Concentrated black liquor (CBL) Waste of Rajahmundry Paper mills*”2011
- DBT sponsored Project on” *Studies on the effects of Obesity and Obesity induced Type 2 Diabetes on advanced aging phenomenon*, 2012

- **INDO-US JOINT CLEAN ENERGY RESEARCH AND DEVELOPMENT CENTER (JCERDC. US-India Consortium for development of Sustainable Advanced Lignocellulosic Biofuel Systems. 2013.**
- **DBT sponsored Project on “Commercialization of sweet sorghum as a complimentary feed stack for ethanol production in the sugar mills of Maharashtra, Tamil Nadu and Gujarat” 2015.**
- **DBT sponsored Project on “Development of sorghum genotype suitable for lignocellulosic biofuel production through marker-assisted gene pyramiding of brown midrib genes” 2016.**
- **HPCL sponsored project on “Bioprocess optimization for selective delignification and generation of monomeric fermentable sugars via hydrolysis of lignocellulosic biomass for producing biofuels and value added product” 2016.**
- **AICTE-MODROBS sponsored project on “Modernization of animal cell line engineering and metabolomic facility” 2017.**
- **DST-FIST R&D scheme to augment the post graduate teaching and research facilities in the department 2017.**

Workshops Organized:

1. Organized a 3-day workshop on “**Bioinformatics and Cheminformatics**”, CIR, CBT IST, JNTU during 22-24th Nov. 2010.
2. Organized a 2-day workshop on “**Enzyme Engineering and Process optimization principles**”, CIR, CBT IST, JNTUH during 16-17th March. 2012.
3. Organised a 3-day workshop on “**Biostatistics, research methodology and manuscript preparation**” CIR, CBT, IST, JNTUH, during 24-26th July 2014
4. Organised a 3-day workshop on “**Fermentative production of ethanol from sweet sorghum juice**” CIR, CBT, IST, JNTUH, during 16-18th march 2016.
5. **Coordinator** for “**Acquiring and improving the skills through pharmacy and biotechnology**” at UGC HRDC from 06/02/2017 to 25/02/2017
6. **Co-convener** for “**International conference on biotechnology and Bioengineering**” at JNTUH held on 23 rd -25 th March 2017.
7. **Course Coordinator** for “**Basic principles and research advancements in life sciences and pharmaceutical sciences**” held from 22/01/2018 to 12/2/2018 at UGC HRDC.
8. **Co-convener** for “**Emerging Trends in Patents and IPR & Future Implications**” at IST, JNTUH held on 24th april 2018.

9. Attended workshop on “**NBA-SAR Filling and preparedness for assessment**” from 7th to 9th Feb 2018 at ESCI, Hyderabad.
10. Coordinator for “**National Level Competition for Bioscience Students in Association with BECon 2k18-19 IIT Delhi Event & Make Intern**” , A 2 day workshop on Basic techniques in Molecular Biology at CBT-IST, JNTUH, held on 23rd and 24th July 2018.
11. Conducted a 3 day training program on “**Outcome Based Education & NBA Accreditation**” from 25th to 27th July 2018.
12. Organized a 3-day workshop on “**Fundamentals of CRISPR-Applications in Genome Editing**” from 27th to 29th September 2018 at CBT-IST, JNTUH.
13. Co-coordinator for a 3-day workshop on “**Migration, Navigation & Biomimicking Aerial Vehicles**” held at CBT-IST, JNTUH from 1st to 3rd November 2018.

R&D PROJECT WITH SPONSORS

S. No	Coordinator	Title of the Project	Funding Agency	Duration	Starting & Closing Date	Cost of the Project (In Rs.)
1.	Dr. A. Uma	Production of Bioethanol from CBL waste of Paper mills”.	AICTE	2 years	2008-2010	9.8 lakhs
2.	Dr. A. Uma	Production of Bioethanol from Concentrated black liquor (CBL) Waste of Rajahmundry Paper mills”.	CSIR	3 years	2010-2013	4.8 lakhs
3.	Dr. A. Uma	Studies on the effects of Obesity and Obesity induced Type 2 Diabetes on advanced aging phenomenon.	DBT	3 years	2012-2015	56.96 lakhs
4.	Dr. A. Uma	Consortium for development of Sustainable Advanced Lignocellulosic Biofuel	INDO-US JOINT CLEAN ENERGY	5 years	2012-2017	96.54 lakhs

		Systems.	RESEARCH AND DEVELOPMENT CENTER			
5	Dr.A.Uma	Commercialization of sweet sorghum as a complimentary feed stack for ethanol production in the sugar mills of Maharashtra, Tamil Nadu and Gujarat	DBT	3 years	2015-2018	3.87
6	Dr.A. Uma	Development of sorghum genotype suitable for lignocellulosic biofuel production through marker-assisted gene pyramiding of brown midrib genes	DBT	3 years	2016-2019	14.28
7	Dr.A.Uma	Bioprocess optimization for selective delignification and generation of monomeric fermentable sugars via hydrolysis of lignocellulosic biomass for producing biofuels and value added product	HPCL	2 years	2016-18	42.84
8	Dr.A.Uma	DST-FIST R&D Scheme (to augment the postgraduate teaching and research facilities in the department)	DST-FIST	5 years	2017-2022	59 lakhs

9	Dr.A.Uma	Modernization of animal cell line engineering and metabolomic facility	AICTE-MODROBS	2 years	2017-18	16 lakhs
10	Dr.A.Uma	Screening of Sorghum cultivars for high antioxidant activity	TEQIP-III	2 years	2018-19	2 lakhs

NATIONAL AND INTERNATIONAL JOURNAL PAPERS

2004

1. K Thyagaraju, K Vasundhara, B Hemavathi, **A Uma**, KN Devi (2004). Effect of phenobarbital on the induction of glutathione S-transferases in rat testis. Reproductive Biomedicine Online, 8 (1), 68-74. (Impact Factor: 3.249) ISSN:1472-6483

2005

2. Thyagaraju K, **Uma A**, Vasundhara K, Hemavathi B, Devi KN (2005). Comparative study on glutathione transferases of rat brain and testis under the stress of phenobarbitol and β -Methylcholanthrene. Journal of Zhejiang University Science, 6B (8), 759–769. (Impact Factor:0.941); ISSN 1009-3095

2007

3. Thyagaraju K, **Uma A**, Ruxana Begum Sk, Sandhya D, Sreenivasulu D, Lakshminarasiah U (2007). Induction of Glutathione S. Transferases of Rat Brain under the Influence of Phenobarbital. The Bioscan journal, 2 (3), 241-248.

2010

4. S.N.Veenapani, M.Meenabai, **A.Uma**, K.Venkatasubbaiah, K.J.Rao and K.Thyagaraju (2010). Glutathione S Transferase Protein, Nucleic Acid, Chromatin, Cell Nuclei and Structural Variation Analysis of Erythrocyte, Bone Marrow Cell and Hepatocytes of Rats under the Influence of Acrylamide. The Bioscan Journal, 5(3), 477-481.

2012

5. G. Baby Rani , T. Chiranjeevi , Ch. Madhu, N. Naga Raju, A. Das, M. Lakshmi Narasu, **Uma Addepally (2012)**. Potential of thermo and alkali stable xylanases from *Thielaviopsis basicola*

(MTCC-1467) in biobleaching of wood kraft pulp. *Applied Biochemistry and Biotechnology*, 167(8), 2369-2380. DOI: 10.1007/s12010-012-9765-x

6. T. Chiranjeevi, G. Baby Rani, Anuj K. Chandel, R.S. Prakasham, **Uma Addepally**, Optimization of Holocellulolytic enzymes production by *Cladosporium cladosporioides* Using Taguchi-L₁₆ Orthogonal array. *Journal of Biobased materials and Bioenergy*, 2012, 6(2),148-157. DOI:10.1166/jbmb.2012.1201.
7. D. Nagaiah, P. Srinivasa Rao, R. S. Prakasham, **A. Uma**, K. Radhika, YoganandBarve, A. V. Umakanth, High Biomass Sorghum as a Potential Raw Material for Biohydrogen Production: A Preliminary Evaluation. *Current Trends in Biotechnology and Pharmacy*, 2012, 6 (2):183-189. ISSN 0973-8916 (Print), 2230-7303 (Online)
8. V. SurendraBabu Damerla, Chiranjeevi Tulluri, Dr.Rambabu Gundla, Lava Naviri, **Uma Addepally**, Pravin S. Iyer, Y. L. N. Murthy, Nampally Prabhakar, Dr.Subhabrata Sen, Reagent-Based DOS: Developing a Diastereoselective Methodology to Access Spirocyclic- and Fused Heterocyclic Ring Systems. *Chemistry-An Asian Journal*, 2012, 2(10):2351-2360 DOI:10.1002/asia.201200385. (**Impact factor: 4.57**)

2013

9. Chiranjeevi Thulluri, Baby Rani Goluguri, Radhika Konakalla, Prakasham Reddy Shetty, Uma Addepally, The effect of assorted pretreatments on cellulose of selected vegetable waste and enzymatic hydrolysis. *Biomass and Biodiversity*, 2013, 49:205-213; ISSN:0961-9534
10. N. Kumudini, **A. Uma**, Y. Prameela Devi, SK. Mohammad Naushad, R Mridula, R. Borgohain, K. Vijay kumar, Impact of COMT H108L, MAOB int 13 A>G and DRD2 halotype on the susceptibility to Parkinson's disease in South Indian subjects. *Indian Journal of Biochemistry & Biophysics*, **2013**, 50: 436-441. ISSN:0975-0959 (Online); 0301-1208 (Print)
11. Konakalla Radhika, Gajula Chandra Sekhar, Addepally Uma, Mangamoori Lakshmi (2013). fermentation of enzymatically saccharified brassica compestris stalks for fuel ethanol production by pichia stipitis ncim 3498. *Journal of Global Trends in Pharmaceutical Sciences*, 4(3), 1206-1215; ISSN: 2230-7346
12. NarenderPottabathini, Ramesh Garlapati, VenkateshwarluGurram, Chiranjeevi Thulluri, RambabuGundla, Pavan Kumar Machiraju, Suvarna L Ch. Reddy, **Uma Addepally**, Venkata Rao Chunduri, BalaramPatro, Synthesis and biological evolution of quinazolinone derivatives as potential anti-microbial agents via Pd-mediated C-N and C-C bond formation with a common catalyst system: ChemInformatics Studies. *European Journal of Medicinal Chemistry*, **2013**. (**Impact factor: 3.45**)
13. R. Borgohain; K. Nadella; A. Uma; R. M. Kandadai; V. K. Kutala (2013). Association of dopamine metabolizing gene polymorphisms in Parkinson's disease - A study from India. *Movement Disorders*, 28, S399
14. B. Venkanna, **A. Uma**, Ch. Suvarnalaxmi, N. Chandrasekharnath, R. S. Prakasham, L. Jayalaxmi, Antimicrobial property of *Datura* leaf extract against Methicillin-resistant *Staphylococcus aureus* isolated from Urethral and Skin Suppurative Infections. *Current Trends*

in *Biotechnology and Pharmacy*, **2013**: 7 (3) 782-792. ISSN 0973-8916 (Print), 2230-7303 (Online)

15. N. Chandrasekharnath, Y.V Mahlakshmi, L. Jayalakshmi, B. Venkanna, **A. Uma**, Screening and isolation of bioactive factors from *Commiphora myrrha* and evaluation of their antimicrobial activity. *International Journal of Engineering Research and Applications(IJERA)***2013**, 3(2), 1291-1294. ISSN: 2248-9622
16. N. Chandrasekharnath, B. Venkanna, Y.V. Mahlakshmi, **A. Uma**, Phytochemical analysis and antimicrobial activity of various solvent extracts of *Punica granatum* and *Phyllanthus niruri*. *Pharmanest- An International Journal of Advances in Pharmaceutical Sciences*, **2013**, 4(2) 191-196. ISSN 2231-0541
17. D. Nagaiah, R. S. Prakasham, A. V. Umakanth, **A. Uma**, P. Srinivasa Rao, Sweet Sorghum Juice as an Alternate Substrate for Fermentative Hydrogen Production: Evaluation of Influencing Parameters Using DOE Statistical Approach. *Sugar Tech*, **2013**, 15(3), 338-344, DOI 10.1007/s12355-013-0223-z.
18. Ramesh Garlapati, Narender Pottabathini, Venkateshwarlu Gurram, Kumara Swamy Kasani, Rambabu Gundla, Chiranjeevi Thulluri, Pavan Kumar Machiraju, Avinash B. Chaudhary, **Uma Addepally**, Raveendra Dayam, Venkata Rao Chunduri, Balaram Patro, Development of α -Glucosidase inhibitors by room temperature C-C cross couplings of quinazolinones. *Organic and Biomolecular Chemistry*, **2013** 11(29), 4778-4791. DOI: 10.1039/c3ob40636a. (**Impact factor: 3.56**)
19. Sanjay Saha, Ch. VenkataRamana Reddy, T. Chiranjeevi, **Uma Addepally**, T. S. Chintarao, BalaramPatro, The first total synthesis and biological evaluation of marine natural products ma'edamines A and B. *Bioorganic & Medicinal Chemistry Letters*, **2013** 23:1013–1016. <http://dx.doi.org/10.1016/j.bmcl.2012.12.033> (**Impact factor: 2.338**); ISSN: **0960-894X**
20. Ramu Surakanti, Sumalatha Sanivarapu, Chiranjeevi Thulluri, Pravin S Iyer, Raghuram S Tangirala, Rambabu Gundla, **Uma Addepally**, Y L N Murthy, Lakshmi Velide, Subhabrata Sen, Synthesis of Privileged Scaffolds by Using Diversity-Oriented Synthesis. *Chemistry – An Asian Journal*, **2013** 8: 1168 – 1176. DOI: 10.1002/asia.201201203. (**Impact factor: 4.57**)
21. Subhabrata Sen, Siva R. Kamma, Rambabu Gundla, **Uma Addepally**, Santosh Kuncha, Sridhar Thirunathi, U. Viplava Prasad, A Reagent based DOS strategy via Evans chiral auxiliary: Highly stereoselective Michael reaction towards optically active quinolizidinones, piperidinones and pyrrolidinones. *The Royal Society of Chemical. RSC Adv.*, **2013**, 3: 2404–2411. DOI: 10.1039/c2ra22115b. (**Impact factor: 2.562**)

2014

22. T. Chiranjeevi, **A. Uma**, K. Radhika, G. Baby Rani, M. Lakshmi Narasu, R.S. Prakasham, P. Srinivasa Rao, A.V. Umakanth, Enzymatic hydrolysis of market vegetable waste and subsequent ethanol Fermentation-Kinetic evaluation. *Journal of Biochemical Technology*. **2014**, 5(4):775-781. ISSN: 0974-2328(international)
23. Lakshmi Swarnalatha Jasti, Sandhya Rani Dola, Nitin W Fadnavis, Uma Addepally, Siona Daniels, Surendra Ponrathnam, Co-immobilized glucose oxidase and β galactosidase on bovine

serum albumin coated allyl glycidyl ether (AGE)-ethylene glycol dimethacrylate (EGDM) copolymer as a biosensor for lactose determination in milk. *Enzyme and Microbial technology* 64-65, 2014,67-73. ISSN: 0141-0229

24. A Pavani, Sk. Mohmmad, **A. Uma**, VijayKumarK, Methodological issues in the development of a pharmacogenomic algorithm for warfarin dosing: comparison of two regression approaches. *Pharmacogenomics*, **2014**, 15(8): 1125-1132. ISSN:1462-2416
25. Y Rupasree, SM Naushad, L Rajasekhar, **A Uma** and VK Kutala, Association of TLR-4 (D299G, T399I), TLR9-14865>C, TIRAP S180L and TNF- α promoter (-1031, -863, -857) polymorphism with risk for systemic lupus erythematosus among south Indians. *Lupus*, 2014, 0, 1–8. **DOI:10.1177/0961203314549792**
26. SujathaThathapudi, VijayalakshmiKodati, Ahuja Yog Raj, **Uma Addepally**, AnuradhaKatragadda, Qurratulain Hasan, Tumor Necrosis Factor-Alpha and Polycystic Ovarian Syndrome: a clinical, biochemical and molecular genetic study. *Genetic testing and Molecular Biomarkers*, **2014**, 18(9), 605-609. DOI: 10.1089/gtmb.2014.0151
27. Nadella Kumudini, Addepally Uma, Shaik Mohammad Naushad, Rukmini Mridula, RupamBorghain, Vijay Kumar Kutala, Sexual dimorphism in xenobiotic genetic variants-mediated risk for Parkinson's disease. *Neurol Sciences*, **2014**, 35(6), 897-903. DOI 10.1007/s10072-013-1622-3
28. Lakshmi S. Jasti, Nitin W. Fadnavis, Uma Addepally, Siona Daniels, Sarika Deokar, Surendra Ponrathnam, Comparison of polymer induced and solvent induced trypsin denaturation: The role of hydrophobicity. *Colloids and Surfaces B Biointerfaces*, 2014, 116:201-205. doi: 10.1016/j.colsurfb.2014.01.002. (**Impact factor: 3.55**). ISSN: 0927-7765
29. Lakshmi Swarnalatha Jasti, Sandhya Rani Dola, ThenkrishnanKumaraguru, SreedharBajja, Nitin W. Fadnavis, **Uma Addepally**, KishorRajdeo, SurendraPonrathnam, SarikaDeokar, Protein-coated polymer as a matrix for enzyme immobilization: Immobilization of trypsin on bovine serum albumin-coated allyl glycidyl ether-ethylene glycol dimethacrylate copolymer. *Biotechnology Progress*, **2014**, 30(2), 317-323 DOI: 10.1002/btpr.1871 (**Impact factor: 1.8**).
30. SujathaThathapudi, VijayalakshmiKodati, JayashankarErukkambattu, AnuradhaKatragadda, **Uma Addepally**, Qurratulain Hasan, Anthropometric and Biochemical Characteristics of Polycystic Ovarian syndrome in south Indian women using AES-2006 criteria. *International Journal of Endocrinology &Metabolism*, **2014**, 12 (1):e12470.DOI:10.5812/ijem.12470.
31. Konakalla Radhika, Uma Addepally, Tulluri Chiranjeevi, Satya Lakshmi Kota, Improved Cellulase production using Sorghum Biomass as carbon source by *Aspergillus* sp. Using Plackett-Burman and response surface methodology under SmF conditions. *International Journal of Recent Trends in Science and Technology*, 2014; 13(1):154-162. ISSN 2277-2812 E-ISSN 2249-8109
32. Yumnam Priyadarshini Devi, Addepally Uma, Mangamoori Lakshmi Narasu, Chepuri Kalyani, Anticancer activity of gallic acid on cancer cell lines, HCT15 and MDA MB 231, *International Journal of Research in Applied, Natural and Social Sciences*, 2014, 2(5):269-272 ISSN2321-8851; ISSN(P): 2347-4580

33. G. Baby Rani, **A. Uma**, T. Chiranjeevi, K. Radhika, Anuj K. Chandel, T. Satish, M. Lakshmi Narasu, Optimization of selective production media for enhanced production of xylanases in submerged fermentation by *Thielaviopsis basicola* (MTCC-1467) using L16Orthogonal Array. *Journal of Food Science and Technology*, 2014, 51(10):2508-2516 DOI 10.1007/s13197-012-0784-y. (**Impact factor: 1.12**)
34. Nadella Kumudini, Addepally Uma, Yalavarthy Prameela Devi, Shaik Mohammad Naushad, Rukmini Mridula, Rupam Borgohain and Vijay Kumar Kutala, Association of Parkinson's disease with altered serum levels of lead and transition metals among South Indian subjects. *Indian Journal of Biochemistry and Biophysics* , 2014, 51, 121-126.
35. SujathaThathapudi, VijayalakshmiKodati, Ahuja Yog Raj, **Uma Addepally**, AnuradhaKatragadda, Qurratulain Hasan, Role of TNF α in the etiopathogenesis of PCOS: a clinical, biochemical and molecular genetic study. *Molecular Cytogenetics*, **2014**: 7(Suppl 1):P94 (**Impact factor 2.36**). DOI:10.1186/1755-8166-7-S1-P94
36. Ch.Suvarna Lakshmi, A.Uma, M.Lakshminarasu, B.Venkanna, Evaluation of Antimicrobial property of Thespesia Populnea root extracts against Genitourinary Tract Infectious pathogens. *International Journal for Pharmaceutical Research Scholars(IJPRS)*, 2014, 3(2), 505-519. ISSN No: 2277 – 7873.
37. Nadella Kumudini, Addepally Uma, Shaik Mohammad Naushad, Rukmini Mridula, Rupam Borgohain and Vijay Kumar Kutala, Association of seven functional polymorphisms of one-carbon metabolic pathway with total plasma homocysteine levels and susceptibility to Parkinson's disease among South Indians. *Neuroscience Letters*, 2014, 568, 1-5.ISSN: 0304-3940
38. Ch.Suvarna Lakshmi, A.Uma, R.S.Prakasham, L Jayalaxmi and N.Chandrasekhar, Phytochemical analysis and antimicrobial potential of Abutilon indicum stem extracts against GUTI pathogens. *Current Trends in Biotechnology and Pharmacy*, 2014, 8(2), 192-203. ISSN 0973-8916 (Print), 2230-7303 (Online)
39. Ramu Surakanti, Sumalatha Sanivarapu, Chiranjeevi Thulluri, Pravin S Iyer, Raghuram S Tangirala, Rambabu Gundla, Uma Addepally, YLN Murthy, Lakshmi Velide, Subhabrata Sen (2014). Corrigendum: Synthesis of Privileged Scaffolds by Using Diversity-Oriented Synthesis. *Chemistry–An Asian Journal*, 9(7), 1706-1706. DOI: 10.1002/asia.201201203
40. Reddy Shetty Prakasham,Darmarapu Nagaiah,Kanaganahalli S Vinutha,Addepally Uma,Thulluri Chiranjeevi,Akula V Umakanth,Pinnamaneni Srinivasa Rao & Ning Yan (2014). Sorghum biomass: A novel renewable carbon source for industrial bioproducts. *Biofuels*, 5(2), 159-174. ISSN:1759-7269.

2015

41. Sujatha Thathapudi, Jayashankar Erukkambattu, Qurratulain Hasan, Uma Addepally, Vijayalakshmi Kodati, Association of calpain 10 gene UCSNP-43 polymorphism (rs3792267) with polycystic ovarian syndrome, **International Journal of Reproduction, Contraception, Obstetrics and Gynecology**, **2015**, 4(4), 1185-1190. pISSN 2320-1770 | eISSN 2320-1789
42. Yedluri Rupasree, Shaik Mohammad Naushad, Liza Rajasekhar, Addepally Uma, Vijay Kumar Kutala, Association of estrogen receptor 1 (ESR1) haplotypes with risk for systemic

lupus erythematosus among South Indians. *Indian Journal of Experimental Biology*, 2015, 53, 714-718.

43. Sujatha Thathapudi, Vijayalakshmi Kodati, Jayashankar Erukkambattu, Uma Addepally, Hasan Qurratulain (2015). Association of luteinizing hormone chorionic gonadotropin receptor gene polymorphism (rs2293275) with polycystic ovarian syndrome. *Genetic testing and molecular biomarkers*, 19(3), 128-132 DOI: 10.1089/gtmb.2014.0249
44. Chandramohan Bathula, Rajanikanth Mamidala, Chiranjeevi Thulluri, Rahul Agarwal, Kunal Kumar Jha, Parthapratim Munshi, **Uma Addepally**, Ashutosh Singh, M. Thirumalachary, Subhabrata Sen, Substituted fuopyridinediones as novel inhibitors of α -glucosidase, *RSC Advances*, 2015, 5(110), 90374-9038. DOI: 10.1039/C5RA19255B.
45. Santanu Hati, Sanjay M. Madurkar, Chandramohan Bathula, Chiranjeevi Thulluri, Rahul Agarwal, Faiza Amber Siddiqui, Poonam Dangi, **Uma Addepally**, Ashutosh Singh, Shailja Singh, Subhabrata Sen (2015). *Design, synthesis and biological evaluation of small molecules as potent α -glycosidase inhibitors*. **European journal of medicinal chemistry (EJMC)**, 2015, **100: 188-196**, doi:10.1016/j.ejmech.2015.04.059. ISSN: 0223-5234
46. Venkateshwarlu Gurram, Ramesh Garlapati, Chiranjeevi Thulluri, Nagaraju Madala, Kumara Swamy Kasani, Pavan Kumar Machiraju, Raju Doddapalla, Uma Addepally, Rambabu Gundla, Balaram Patro, Narender Pottabathini. Design, synthesis and biological evaluation of quinazoline derivatives as α -glucosidase inhibitors. *Medicinal Chemistry Research*, 2015, 24(5), 2227-2237, DOI 10.1007/s00044-014-1293-5.
47. **Uma Addepally** and Chiranjeevi Thulluri (2015). Recent progress in production of fuel range liquid hydrocarbons from biomass-derived furanics via strategic catalytic routes. *Fuel*, 2015, 159, 935-942. ISSN: 0016-2361
48. Addepalli Uma, Addepally, Pavani, Shaik Mohammad Naushad, Balraj Alex Stanley, Renganathan Gnanambal Kamakshi, Krishnan Abinaya, Malempati Amaresh Rao, Vijay Kumar Kutala (2015). Mechanistic insights into the effect of CYP2C9* 2 and CYP2C9* 3 variants on the 7-hydroxylation of warfarin. *Pharmacogenomics*, 16(4), 393-400. ISSN: 1462-2416.
49. Yumnam Priyadarshini Devi, Addepally Uma, Mangamoori Lakshmi Narasu, Chepuri Kalyani (2015). A comparative study of the effect of gallic acid on cancer cells and normal cells. *Research Journal of Pharmaceutical Biological and Chemical Sciences*, 6(4), 460-464. ISSN: 0975-8585.
50. Kiran Kumar Sindhu, Umakanta Swaina and Uma Addepally (2015). Amalakirasayana feeding declines the DNA Damage in wistar rat Cerebellum, Liver and Testis, through age. *Current Trends in Biotechnology & Pharmacy*, 9(4), 328-333. ISSN 0973-8916 (Print), 2230-7303 (Online)
51. Sheik Aliya, Podendla Chaithanya, Adepelly Uma, Yalavarthy Prameela Devi (2015). Evaluation of Anthelmintic Activity of Methanolic Extracts of Five Medicinal Plants. *International Journal of Innovative Research in Science, Engineering and Technology*, 4(12), 11950-11954. ISSN(Online): 2319-8753, ISSN (Print): 2347-6710
52. D.Raveendranath, K Sri Rama Murthy, A Harinatha Reddy, A Uma, B Vijayalakshmi and B Ramesh(2015). Validation of multi residue method with the mix of multi class pesticides in

bitter gourd by gas chromatography coupled with triple quadrupole mass spectrometry, Asian journal of chemistry, 27(8).

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