RESUME

1. Name and full correspondence address
   - a. Name : Dr. P. Uma Devi
   - b. Resident address : Mig-78, Law sons bay colony, Visakhapatnam-17.
   - c. Department address : Department of Organic Chemistry, Gayatri Vidya Parishad College for Degree & P.G. Courses (A) Rushikonda, Visakhapatnam, Andhra Pradesh 530045

2. Email and contact number(s) : umadevichemistry@gmail.com
   Residence: 0891 – 2559666,
   Mobile: 9490753446
3. Gender (M/F/T) : F
4. Category Gen/SC/ST/OBC : Gen
5. Whether differently able (Yes/No): No
6. Academic Qualification (Undergraduate Onwards):

S.No	Degree	Year	Subject	University/Institution	% of marks
1	B.Sc	1977	Chemistry & Biology	Osmania	62
2	M.Sc	1979	Organic Chemistry	Meerut	75
3	M.Phill	1994	Chemistry	Andhra	64
4	P.hD	2000	Chemistry	Andhra	

7. Ph.D. thesis:
   - Title : Visible spectroscopy as a tool for the analysis of some drugs
   - Guide's Name : Prof C.S.P.Sastry
   - University : Andhra University
   - Year of Award : 2000
8. Work experience (in chronological order):
   - Teaching : 17 years
   - Research : 30 years including three years abroad research experience at the Weizmann

S.No	Position and Organization	Nature of job	Period	Pay scale
1.	Professor GVP College for Degree and PG Courses(A)	Teaching (M.Sc.-Organic Chemistry) and Research	June 2018 - Till date	UGC Scale
2.	Professor GITAM University	Teaching (M.Sc.-Organic Chemistry) and Research	July 2016 - September 2017 (Superannuation)	UGC Scale
3.	Associate Professor GITAM University	Teaching (M.Sc.-Organic Chemistry) and Research	December 2008-July 2016	UGC Scale
4.	Assistant Professor GITAM University	Teaching (M.Sc.-Organic Chemistry) and Research	July 2004-December, 2008	UGC Scale
5.	Teaching Associate Andhra University	Teaching (M.Sc.-Organic Chemistry) and Research	2002-July, 2004	consolidated
6.	Research Fellow Andhra University	Research	1995-2000	
7.	Research Fellow Andhra University	Research	1993-1994	
8.	CSIR-SRF Andhra University	Research	1989-1992	
9.	The Weizmann Institute of Science, Rehovot,Israel	Research	1980-1983	
10.	CSIR-JRF RRLABS Hyderabad(IICT)	Research	1979-1980	

9. Number of research students:

Ph.D.s Awarded

S.No	Name of the Candidate	Title of the Thesis
1.	K.V.V.V.Satyanarayana	Synthesis and antimicrobicrobial studes of new pyrazoles and isoxazoles combined with 10-methyl-n-(4-(3-arylacryloyl) phenyl)-10, 11-dihydro - 5h-dibenzo [b, f]azepine-5-carboxamide
2.	K.Muralikrishna	New visible spectrophotometric methods for the assay of some drugs
3.	K.Deepti	Chemical Examination and Bioactive Evaluation of *Morinda tinctoria* Roxb, *Michelia champaca* Linn and *Desmodium gangeticum*DC
4	D.V.R Venugopal	Synthesis, *in silico* and in vitro studies of Peptidyl boronic acids and piperine Analogues, novel synthesis of Dibenzothiazepine & enzymatic resolution of γ-cyanoester
5	Karteek Rao Amperayani	Synthesis And Biological Activity Of Novel Piperine Analogs, Nano Γ-Fe2o3 Catalyzed Synthesis Of 1, 3,

		4 Oxa And Thiadiazoles And Their Effect On Growth Parameters Of
6	Jyothi Uppalapati	Development and validation of analytical method for simultaneous determination of some active pharmaceutical ingredients in combined dosage forms by RP-HPLC technique.
7	M.Venkataramana	Novel synthesis of Benzimidazoles, Benzoxazoles; N-*tert*- Butoxycarbonylation of amines; A Facile synthesis and biological activity of 6-(1,3,4-Oxadiazol-2-yl)-N-arylylpyridine-3-amines and Highly efficient synthesis of DNA-binding polyamides by Solid and solution phase approach
8	V. Chandrasekhar	Novel Heterocyclic synthesis, characterization of Thiadiazoles, Thiadiazines, Thiazolidines and their derivatives and evaluation as antibacterial agents
9	Bala Krishna Chinnu	Synthetic approaches to novel pyrone scaffold derivatives: chromones, 3-sulfenylated chromones, pyranothiazoles and kojic acid-unnatural amino acid hybrid molecules
10	Devendar Rao Sureddi	Synthetic Studies and Phytochemical Investigation of Biological Active Molecules from Walsura Trifoliata
11	Sateesh Kumar Pinninti	Synthesis and biological activity of novel amide derivatives of thiazole, 1, 2,4-oxadiazole fused benzo thiozoles and difluoro benzodioxole derivative
12	Kottaki naveen	Synthesis and antimicrobial activity of novel piperine–triazole, piperine–piperazine, piperazine-thiadiazole and piperazine-oxadiazole analogues
13	Venugopalrao Vikram	Synthesis and biological activity of novel 2-amino-thiophene derivatives

M.Phill. Awarded (One):

S.No.	Name of the Candidate	Title of the Dissertation
1.	K.Manmadha Rao	visible spectrophotometric determination of moxi-floxacin and clopidogrel in pure and pharmaceutical formulations

10. Professional Recognition/Award/Prize/Certificate, Fellowship received by the applicant.

S.No	**Name of Award**	**Awarding Agency**	**Year**
1	State merit scholarship	Andhra Pradesh government	1974
2	JRF	CSIR	1980
3	SRF	CSIR	1989

11. Details of research projects:

S.No.	**Title**	**Year**	**Amount in Lakhs**	**Funding Agency**
1	Synthesis and evaluation of amino	2013-16	10.50	UGC Major

	substituted oxa and thiadiazoles as possible *Bombyx mori* growth enhancers			research project
2	Development of piperine conjugates to increase the bioavailability of iron.	2012-14	30.0	DST

12. List of Publications: 51 (33 National + 18 International)

Journal Publications:

1. Venugopalarao Vikram, Karteek rao Amperayani, Venkaka Ravi Sankar Ummidi, Umadevi Parimi, Synthesis, characterization, anti-microbial activity and docking studies of novel N-pyridine substituted 2-chloro thieno [2,3, d]pyrimidine derivatives. Russian journal of General Chemistry (Accepted)
2. 2. Karteek Rao Amperayani, Deepthi Kolli, Uma Devi Parimi, Phytochemical Analysis And In Vitro Genotoxicity, Cytotoxicity, Antioxidant, Antimicrobial, Antiobesity Activity Of Morinda Tinctoria Roxb., Indian Drugs (Accepted)
3. Venugopalarao. Vikram, K. R. Amperayani, and P. Umadevi, 3-(Methoxycarbonyl) thiophene Thiourea Derivatives as Potential Potent Bacterial Acetyl-CoA Carboxylase Inhibitors, *Russian Journal of Organic Chemistry*, 2021, 57, (8), 1–11
4. Kottakki Naveen Kumar, Karteek Rao Amperayani, Uma Devi Parimi, 'Synthesis of piperine piperazine analogues and their antibacterial activity" *Indian Drugs*, 2021, 58, 6, 30-35. https://doi.org/10.53879/id.58.06.12311
5. Kottakki Naveen Kumar, Karteek Rao Amperayani, Uma Devi Parimi, 'Synthesis and antimicrobial activity of piperazine analogues containing [1, 3, 4] Thiadiazole ring. Research *Journal of Pharmacy and Technology*, 2021, 14(9), 4710-4714. DOI: 10.52711/0974-360X.2021.00819
6. V. Vikram, S. R. Penumutchu, R. Vankayala, S. Thangudu, K. R. Amperayani, and U. Parimi, "Design, synthesis, molecular docking and cytotoxic activity of novel urea derivatives of 2-amino-3-carbomethoxythiophene," J. Chem. Sci., vol. 132, no. 1, p. 126, Dec. 2020, doi: 10.1007/s12039-020-01834-w.
7. P. Kumar, K.N., Kumari, P.S., Gopi, G., Rao, A.K., Devi, "Synthesis and antibacterial activity of piperazine analogues containing [1, 3, 4]-oxadiazole ring," Indian Drugs, vol. 57, pp. 19–26, 2020.
8. K. R. Amperayani and U. D. Parimi, "Synthesis, in vitro and in silico Anti-Proliferative Studies of Novel Piperiene-Oxadiazole and Thiadiazole Analogs," Russ. J. Gen. Chem., vol. 89, no. 11, pp. 2301–2307, Nov. 2019, doi: 10.1134/S1070363219110227.
9. Umadevi Parimi, Venugopalarao Vikram , Karteek Rao Amperayani, One-pot synthesis of n-benzyl substituted 2-aminothiophene-3-carboxilic acid scaffold and their antibacterial activity International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, 2019, 8, 11.

10. Uma Devi Parimi Ramesh P., Sai Kumar B., Tabu K., Naga Divya Sree M., Irfan Hyder Anti helminthic Activity of Alternanthera pungens Krunth. International Journal of ChemTech Research. Feb-2019, 12(4): 214-218. DOI-http://dx.doi.org/10.20902/IJCTR.2019.120426

11. Uma Devi Parimi, Kottakki Naveen Kumar, Karteek Rao Amperayani, V. Ravi Sankar Ummdi, Synthesis and Antimicrobial Activity of Piperine Analogues Containing 1,2,4-Triazole Ring. Asian Journal of Chemistry. March-2019, 31, 5, 1077-1080

12. P. Uma Devi, C. Balakrishna, Manoranjan Beher, T3Ps mediated domino C (sp^2)–H sulfenylation/annulation of enaminones and methylsulfinyls for the synthesis of chromone thioether derivatives. New Journal of Chemistry. Dec-2018, 43, 2458-2463. DOI: 10.1039/C8NJ05554H

13. Umadevi Parimi, Kumar Pinninti, Novel Bis (1,2,4-Oxadiazolyl) fused thiazole Derivatives: Synthesis and Anticancer activity. Russian journal of General Chemistry. Dec-2018, 88, 12. 2611-2615.
14. Umadevi Parimi, Devendra Rao S, Nageswara Rao B, karteek Rao Amperayani. Synthesis and biological screening of Lupeol-benzylidine derivative. The Natural Products Journal. Oct-2018, 8(3), Doi 10.2174/2210315508666180117154929. Emerging Sources Citation Index

15. Uma Devi Parimi, Karteek Rao Amperayani, Kottaki Naveen kumar, Synthesis, invitro and insilco anti-microbial studies of novel piperiene-pyridine analogs. Research on chemical intermediates. May-2018, 44 (5), 3549-3564,

16. P. Uma Devi. Balakrishna Manoranjan Behera. An Efficient Microwave-Assisted Propylphosphonic Anhydride (T3P®)-Mediated One-Pot Chromone Synthesis via Enaminones. Synlett. Jan-2018, 29(8) 1087-1091. DOI: 10.1055/s-0036-1591898

17. Karteek Rao Amperayani, Uma Devi Parimi. Effect of Silk Strength by Dietary Supplementation of Silk-Worm with 1,3,4-Thiadiazoles, In Silico and In Vitro Bombyx mori DNA Binding Studies. Der Pharma Chemica, 2018, 10(2): 90-104 SCOPUS Index

18. Uppalapati.Jyothi, Dr.Parimi.Umadevi. Stability Indicating RP-HPLC Method for the Simultaneous Estimation of Sacubitril and Valsartan in Drug Product. J. Pharm. Sci. & Res. Vol. 10(9), 2018, 2201-2204

19. Karteek Rao Amperayani, YVS Sai Krishna, R. Ravichandra Babu and Uma Devi Parimi. Recyclable Nano-Fe_2O_3 as an Efficient Catalyst for One Pot Synthesis of Substituted Oxadiazoles under Microwave Condition. Current Microwave Chemistry, 4, 2017, 1-9. Emerging Sources Citation Index DOI: 10.2174/2213335604666171109143640

20. Uma devi Parimi, Deepti kolli, Nagendra sastry yerla, Karteek rao Amperayani "In vitro Cytotoxic and Genotoxic Evaluation of Morinda tinctoria Roxb. Leaf Extracts. Pharmaceutical Chemistry Journal, 51,(4). July-2017 I.F – 0.5, SCI indexed

21. Dr.Parimi.Umadevi, Uppalapati. Jyothi, analytical method development and validation for the simultaneous estimation of sofosbuvir and velpatasvir drug product by rp-hplc method. Indo American Journal of Pharmaceutical Research, July-2017, 7, 08. 401-409

22. Karteek Rao Amperayani, Venugopal D.V.R, Uma Devi. Parimi, Y. Nagendra Sastry, K. Aruna Lakshmi, M.Tarak Ramji, Yallappa Shiralgi Design, Synthesis and Characterization of Peptidyl boronate Analogues as Effective Antimicrobial Agents. Research on chemical intermediates. 43, 10, May-2017, 5755-5778. (doi:10.1007/s11164-017-2961-0) 1.8 IF, SCI Indexed

23. Uma Devi Parimi, Chandra Sekhara Reddi Maddireddia, Srinivasa reddy bhimi reddy, Novel pyrimidine associated thiazolidines: Design, synthesis, characterization and Evaluation as antimicrobial agents. Asian journal of chemistry. May-2017, 29,(9),1972-1976.

24. Uma Devi Parimi Chandra Sekhara Reddi Maddireddia 1,3,4-oxadiazole associated 1,3,4-thiadiazoles: synthesis, characterization and evaluation as antibacterial agents. European Journal of Biomedical and Pharmaceutical sciences, May-2017, 4,(05), 257-262

25. ParimiUmaDevi, S Devendra rao, B. Nnageswara rao, A Karteek Rao Isolation of Lupeol, Design and Synthesis of Lupeol Derivatives and their Biological Activity. Oriental Journal Of Chemistry. Jan-2017, 33, 173- 180

26. Uma Devi Parimi, Murali Krishna Kannajosyula and Karteek Rao Amperayani "New visible spectrophometric methods for the assay of cintapride" Indian Journal of Chemical Technology. Sep-2016, 23, 425-432 I.F 0.5 SCI Indexed

27. Uma Devi Parimi, Chandra Sekhara Reddi Maddireddia, Srinivasa reddy bhimi reddy, satyanarayana reddy mandapati, pyrazine associated novel 1,2,4 triazolo thiadiazines: synthesis, characterization and as antimicrobial agents. Asian journal of chemistry. June-2016, 28, (11), 2453-2456.

28. Uma Devi Parimi Karteek Rao Amperayani, Anita Mamillapalli, Evaluation of growth and economic parameters of Bombyx mori by substituted 1,3,4 –Oxadiazoles. International Journal of ChemTech Research. April-2016 9,03, 332-341.

29. Parimi Uma Devi, Karri Manmadha Rao, Karteek Rao Amperayani, Kolli Deepti, Determination of clopidogrel by visible spectrophotometry in pure form and pharmaceutical formulations Journal of Indian chemical society. Feb-2016, 93(2):1-8

30. Uma Devi P, Balakrishna C, Payili N, Yennam S, Behera M. Synthesis of new kojic acid based unnatural a-amino acid derivatives. Bioorg Med Chem Lett. Nov-2015 (25) 4735-4756. IF – 2.8 SCI indexed (This article is published in Atlas of Science)

31. Umadevi Parimi, Deepti Kolli and K. R. Amperayani. Chemical constituents, total phenolic content and antioxidant activity of morinda tintoria leaves. Indian Journal of Pharmaceutical Sciences. April-2015, 77(2):226-230 IF-0.3 SCI indexed

32. P. Umadevi, Y. Nagendra Sastry, Anupam Bishayee, D.S.V.G.K. Kaladhar, A. Bharat Kumar, P. Swathi, P.D. Chandrasai and D. Govinda Rao. PP31 Dammarane triterpenoid 1 induces apoptosis in human prostate carcinoma DU145 cells via intrinsic pathway. Anti-Cancer Drugs 2015, 26:e1–e39 (conference proceedings ISSN: 095924973) I.F – 1.8

33. Umadevi Parimi, NS Yarla, A Rajaram, M Basha, A Rajack, DS Kaladhar, BK Allam, R Rao, KN Singh, Kumari K Sunanda, P Reddanna, A Bishayee, Rao D Govinda Rao. 5-Lipoxygenase and Cyclooxygenase inhibitory Dammarane triterpenoid 1 from Borassus flabellifer seed coat, inhibits Tumor Necrosis Factor-α secretion in LPS induced THP-1

human monocytes and induces apoptosis in MIA PaCa-2. Pancreatic cancer cells. Anti-cancer agents in medicinal chemistry. 2015, 15(8): 1066-77. 10, I.F - 2.939

34. Parimi Umadevi, Durvasula V.R. Venugopal and Nagendra Sastry Yarla Synthesis, of Novel Piperine Analogs of Dipeptidyl Boronic Acid as Antimicrobial and Anticancer Agents Med chem. Aug-2014 4(9): 606-610. DOI: 10.4172/2161-0444.1000201

35. Umadevi Parimi, Venkataramana Medisetti, Ramesh Babu Anagani, K. V. V. V. Satyanarayana. Nano-γ-Fe_2O_3: Efficient, Reusable and Green Catalyst for *N-tert*-Butoxycarbonylation of Amines in Water; Green and Sustainable Chemistry, 2014, 4, 95-101. May-2014 in SciRes. DOI: 10.4236/gsc.2014.42014

36. Umadevi Parimi, Karteek Rao Amperayani. Green Synthesis of Plant Mediated Silver Nano Particles and Evaluation of their Antimicrobial Activities. Am. J. PharmTech Res. 2014 4(3) ISSN: 2249-3387.

37. Umadevi Parimi and Venkataramana Medisetti. A facile synthesis of 6-(1,3,4-oxadiazol-2-yl)-N-arylylpyridin-3-amines; Der Pharma Chemica, 2013, 5(6):101-105. Scopus

38. Uma Devi Parimi et. al. Docking studies of piperine - iron conjugate with human CYP450 3A4 Bioinformation. Apr-20139(7): 334-338 I.F -0.9. PubMed

39. Parimi Umadevi, Kolli Deepti, Durvasula R.V. Venugopal. Synthesis, anticancer and antibacterial activities of piperine analogs. Med Chem Res (2013) 22:5466-5471. I.F-1.5, SCI Indexed

40. Parimi Uma Devi, Kannajosyula Murali Krishna. Visible Spectrophotometric Determination of Lansoprazole in Pure and Pharmaceutical Formulations Am. J. PharmTech Res. 2013; 3(2)290-30.

41. P.Umadevi K. Deepti, Antimicrobial Activity and Phytochemical Analysis of Morinda tinctoriaRoxb. Leaf Extracts. Asian Pacific Journal of Tropical Biomedicine. 2012, S1440-S1442. Elsevier

42. Umadevi parimi, lalitha pappu. Synthesis and antimicrobial evaluation of imino substituted 1, 3, 4 oxa and thiadiazoles. International Journal of Pharmacy and Pharmaceutical Sciences. 2012, 4, 5, I.F – 0.5.

43. P.UmaDevi, Venugopalareddy, Anitha Mamillapalli Synthesis and evaluation of diamino substituted 1,3,4thiadiazoles as possible Bombix Mori growth enhancers International journal of Pharma and Biosciences Oct 2012 3(4):(P) 604-611. Scopus P.

44. P.Umadevi, K.Deepti Synthesis and *In-vitro* Antibacterial activity of some new urea, thiourea and thiosemicarbazide derivatives. International Journal of Pharmacy and Pharmaceutical Sciences, 2012, 4, 3,. I.F 0.6 Scopus

45. P.Umadevi, K.Deepti . Antibacterial and free radical scavenging activity of *Michelia champaca* Linn. Flower extracts. Free Radicals and Antioxidants. Apr-2012, 2, 2, 58-61. Elsevier

46. P.Uma Devi. Determination of Azithromycin by extractive spectrophotometry. Asian Journal of Chemistry. 2011. (IF- 0.2) Scopus

47. P.Umadevi, K.Deepthi Evaluation of *In Vitro* Free Radical Scavenging Efficacy of Aerial Parts of Medicinally Important *Morinda pubescens* J.E. Smith (*Morinda tinctoria*Roxb.) Drug Invention Today 2011, 3(6), 72- 74

48. P.Uma Devi, K.Aruna Lakshmi, Veera Brahmam. Evaluation of the efficacy of Piperine- an alkaloid from *Piper nigrum* (Black Pepper) as an anticancerous compound on Human cancer cell line Thip-1. International journal of biological sciences and Engineering. March 2011, 2, 1:45-49.

49. Uma Devi, K. Aruna Lakshmi, M. Taraka Ramji, P.Akbar Ali Khan. In Vitro and Insilco Evaluation Of Metal Complexes Of Quinazolinones Incorporated With Amino Acids As Potential Antimicrobial Agents. Journal of Pharmacy Research 2010, 3(11), 2765-2768.

50. P.Uma Devi, C.S.P.Sastry, K.V.V.Satyanarayana. Determination of Diosmin by Visible Spectrophotometry Asian Journal of Chemistry. 2010, 22, 3 (IF- 0.2)Scopus

51. P.Uma Devi and C.S.P.Sastry, Determination of Azithromycin by visible Spectrophotometry, Proc. of AP Akademi of Sciences, 2004, 8, 1, 89-94.

52. P.Uma devi, K. Rambabu, M. Nageswara Rao, K.S. Rao and C. Rambabu. Densities, adiabatic compressibilities free length, viscosities and excess volumes of p-cresol (1) +dimethyl sulfoxide (2) + dimethyl formamide (2) and 1, 4-dioxane at 303.15-318, 15K Physics and chemistry of Liquids, 1995, 30, 29-46 I.F -0.7 SCI Indexed

53. P.Uma Devi, P. Atchuta Ramaiah, F.Frolow and D. Lavie, 3-Oxo-friedelan-20 -oic acid from Gymnosporia emarginata Phytochemistry, 1984, 23, 2251. I.F-2.5 SCI Indexed

54. P.Uma Devi, M. Sheves V.Rosenbach and M. Ottolenghi, Photochemical studies of Artificial Bacteriorhodopsins., Photochemistry and Photobiology, 1983, 38, 197. I.F 2.66 SCI Indexed

14. Conference Presentations: 25 (International 11 & National 104

1) **Uma Devi Parimi** M.Hemalatha, H.Kundana Pani, B.Yindu Sai, P.V.Naga Lakshmi, L. Sujatha, Parimi Synthesis and Biological Activity of Copper and Iron metal complexes of substituted Phenyl-1,3,4-oxadiazole-2-amine Azo resorcinol / 2-naphthol derivatives Two Day National Seminar On Chemical Speciation In Biology And Marine Environment (Csbme-2019)
2) **Uma Devi Parimi** Karteek Rao Amperayani, kottakki Naveen Kumar. National conference on piperine analogues containing [1,2,4] triazole ring as antimicrobial agents. Organic molecules as synthons & reagents for innovations, IIT Roorkee, FEB 2019,
3) **Uma Devi Parimi** Karteek Rao Amperayani, M. Umamaheswar Rao. Effect of Silk Strength by Dietary Supplementation of Silk Worm Bombyx mori with 1,3,4-Thiadiazoles, In Silico and In Vitro DNA Binding Studies National conference on 'Future India: Science and technology special symposium on contributions of life sciences and biodiversity for human welfare'Oct 2018, GVP College For Degree And Pg Courses, Rushikonda, Visakhapatnam.
4) **Uma Devi Parimi** Karteek Rao Amperayani, himagirish, Recyclable nano-Fe_3O_4 particles as an efficient and green catalyst for the synthesis of substituted thiadiazoles with high yields International conference on recent andvances in chemistry and chemical engineering JNTU Hyderabad. July11-12, 2016.

5) **Uma Devi Parimi** Karteek Rao Amperayani, YVS Sai Krishna, R.Ravichandra Babu, Recyclable nano-Fe_2O_3 particles as an efficient and green catalyst for the synthesis of substituted Oxadiazoles with high yields International conference on nanoscience,

nanotechnology and advanced materials. GITAM University, Visakhapatnam, Dec 14th to 17th, 2015.

6) **Umadevi Parimi et.al** screening of selected ethnomedical plants for phospholiphase A2 inhibitory activity: Isolation and identification of piperine from seeds of piper nigrum as PLA2 inhibitors. IRSMAT, March 29-30, 2015 Bilaspur University, Chhattisghar.

7) **Umadevi parimi** *et. al.* 5 Lipoxygenase and phospholipase A2 Inhibitory Piperine as anticancer agent. Two day seminar on the role of natural product chemistry in drug discovery sep-11-12, 2014. Krishna University.

8) **Umadevi parimi** *et. al.* 5-Lipoxygenase and phospholipase A2 inhibitory piperine as anti-inflammatory and anticancer agent J Clin Cell Immunol 2014, 5:5 3rd International Conference and Exhibition on Clinical & Cellular ImmunologySeptember 29-October 01, 2014 DoubleTree by Hilton Baltimore-BWI Airport, USA

9) **Parimi Umadevi,** Durvasula V.R. Venugopal and A.Karteek Rao "Synthesis, antimicrobial and antitumor evaluation of novel piperine analogs of dipeptidyl boronic acid" International conference Drugs for the Future: Infectious Diseases-2014 27-28 March 2014 antimicrobial Drug Discovery: Challenges and Perspectives at NIPER Hyderabad.

10) **Uma Devi Parimi** Murali Krishna Kannajosyula, and Karteek Rao Amperayani "New visible spectrophometric methods for the assay of Spiramycine" 3rd International Conference and Exhibition on Biologics and Biosimilars, 26-28 October 2014 organised by Omics groups Hyderabad.

11) **Umadevi Parimi**, A. Karteek Rao, and Anitha Mamillapall[i] "Green Synthesis and Evaluation of Diamino Substituted 1,3,4 Thiadiazole as possible Bombyx Mori Growth Enhancer" International conference EEEE-2014 June 2014 Andhra University Visakhaptanam.

12) **P.Umadevi** K.Deepti, Kannajosyula. Muralikrishna,Anti cancer and antimicrobial properties of piperine and its analogues.14th CRSI national symposium in chemistry (NSC-14 February 2-5 ,2012) Thiruvananthapuram

13) **P.Umadevi,** Vishnu V.V. Satyanarayana Kasapu and K.V.S. Satyanarayana, Synthesis and Antimicrobial Screening of 10-Methyl –N-(4-(3-Arylacrolyl)phenyi)-10,11-Dihydro-5H-Dibenzo (B,F) Azepine 5-Carboxamide Analogs 14th CRSI national symposium in chemistry (NSC-14 February 2-5 ,2012) Thiruvananthapuram.

14) **P.Umadevi** Drug discovery marine natural products perspective National Seminar On Recent Advances in Research on Marine Environment During 10-11 march 2012 at GVP, Visakhapatnam

15) **P.Umadevi** &_K.Deepti Leaf Extracts of *Morinda tinctoria* Roxb As Cytotoxic and Genotoxic Agents International conference on Human health and therapeutic challenges ICEHT 2012 during 20-22 December 2012, Sri Vnkateswara University, Tirupathi

16) **P.Umadevi** &_K.Deepti evaluation of antibacterial and antioxidant activity of Michelia champaka Linn. National conference on Chemistry for sustainable development, oct- 10-11, 2012, GITAM University, Visakhapatnam.

17) **P.Uma Devi** M.Taraka Ramji, J.Jaeson Babu, K.Deepthi, , K.Aruna Lakshmi. In Silico studies on the evaluation of Hydroxyl Chavicol as potential antimicrobials.2nd International conference on Bio-Informatics and Systems Biology. Annamalai University, Tamilnadu.(2011).

18) **P.Uma Devi,** K.Aruna Lakshmi, TarakaRamji. Anticancer activity of Indian Spice-Piperine and its amino acid analogues. World Congress on Biotechnology, Hyderabad. 21-23 March, 2011.

19) **P.Umadevi**, K.Deepthi M.Taraka Ramji K.Aruna Lakshmi. Invitro and Insilico evaluation of piperine analogues as anticancer and antimicrobial agents (Best paper award) National Conference on Natural product Research for Health and Bio-pharma Industry.Kumaraguru college of technology,Coimbatore. 25-26 March, 2011.

20) **P.Uma Devi**, K.Deepti, G.Vijayalakshmi, Isolation of Caulerpin, Caulerpic Acid And Caulerpin Monomethyl Ester. Synthesis Of Analogues And Antimicrobial Studies Of The Marine Alga *Caulerpa Racemosa*. International symposium on genomic of crops, medicinal plants and microbes. May 29-31, 2011 University of Kerala, Kerala.

21) **P.Umadevi** & K.Deepti, Evaluation of *In Vitro* Free Radical Scavenging Efficacy of *Morinda pubescens* J.E. Smith (*Morinda tinctoria* Roxb.), Andhrapradesh Science Congress-2011, GITAM University, Visakhapatnam, November 14-16, 2011.

22) **P. Umadevi,** Synthesis and *In Vitro* Antibacterial activity of Deepti some new urea, thiourea and thiosemicarbazide derivatives. "frontier research areas in organic synthesis – fraos 2k11" to be held at the Department of Organic Chemistry, Andhra University, Visakhapatnam on 29th & 30th NOV-2011.

23) **P.Umadevi**, K. Deepti Green synthesis of Plant mediated Silver Nano Particles And Evaluation Of Their Antimicrobial activity International seminar on effect of emission and eluents on environment December 18, 2011 Andhra university, Visakhapatnam

24) **P.Uma Devi,** K.Aruna Lakshmi, Veera Brahmam. Evaluation of the efficacy of Piperine-an alkaloid from *Piper nigrum* (Black Pepper) as an anticancerous compound on Human cancer cell line Thip-1. International Conference on "Biological sciences and Engineering", St. Annie's college, Hyderabad- ICBE-2010, Nottingham Trent University (2010).

25) **P.Uma Devi**, K.Aruna Lakshmi, TarakaRamji. In SilicoStudies -A Potential Tool to Accelerate Discovery Of New Drugs. International conference on Biotechnology, Kakatiya University, Warangal 2010 **(Best paper award**)

13. Patent INDIA - l Patent Application No.: 201641003626

1. Published Dated:January 2019 Title: "5-LIPOXYGENASE INHIBITORS" Our Ref.: P6811IN00

2. Karteek Rao Amperayani, Sateesh Pinneti, Uma Devi Parimi Anticancer derivatives of amide difluoro benzodioxole and their preparation method thereof, Indian Patent. Appli. No: 202141010931

14. Material for M.Sc. Organic chemistry distance mode Andhra University

Articles on Organic Chemistry for Encyclopedia of Chemistry

15. Any other Information (maximum 500 words)
Invited talk at Abroad

Gave a talk on Natural Products Analogs as Bioactive Molecules at the Department of Chemistry, University of Bristol, U.K. by the invitation of Prof. Varendra Aggarwal. FRS. Department of Chemistry, University of Bristol, U.K. on 22nd June 2017.

16. Reviewer for International journals

1. Natural products research (Taylor & Francis)
2. Letters in Drug design and discovery (Benthamscience)
3. Pharmaceutical Biology (Taylor & Francis)
4. Journal of Medicinal plants research (acadamic journals)
5. Indian journal of pharmaceutical science (SCI Indexed)
6. British journal of applied science and technology (Science domain)

Innovations/Contributions to Teaching

Books Written

1. Material for M.Sc. Organic chemistry distance mode Andhra University
2. Articles on Organic Chemistry for Encyclopedia of Chemistry

Design of Curriculum:

1. Senior Member of BOS in designing and updating the curriculum of M.Sc Organic chemistry
2. Played key role in framing the syllabus for newly introduced papers Bio-organic Chemistry, Assymetric synthesis, Medicinal chemistry and Pharmaceutical chemistry
3. Framed syllabus for M.Sc. Chemistry Integrated Laurus sponsored with industry collaboration.
4. Played active role in framing the syllabus based on choice based credit system.

Research experience Abroad

Three years at the world-famous institute **The Weizmann Institute Of Science** Rehovot Israel with Prof Mordachai Sheves on the synthesis and photochemical studies of Vitamin A Analogs

. Subjects taught

1. Organic synthesis
2. Pericyclic reactions
3. Reaction mechanism
4. Chemistry of Natural products
5. Bio organic chemistry
6. Medicinal chemistry

Areas research

1. Synthetic organic chemistry
2. Natural products from plant sources

1.
6. V. Vikram, K. Rao Amperayani, and U. Parimi, “One-pot synthesis of n-benzyl substituted 2-aminothiophene-3-carboxilic acid scaffold and their antibacterial activity,” Int. J. Innov. Technol. Explor. Eng., vol. 8, no. 12, pp. 2546–2549, Oct. 2019, doi: 10.35940/ijitee.K1567.1081219.
7. K. N. KUMAR1, K. R. AMPERAYANI1, V. R. S. UMMDI2, and and U. D. PARIMI3, “Synthesis and Antimicrobial Activity of Piperine Analogues Containing 1,2,4-Triazole Ring,” vol. 31, no. 5, pp. 1077–1080, 2019.
8. K. R. Amperayani, K. N. Kumar, and U. D. Parimi, “Synthesis and in vitro and in silico antimicrobial studies of novel piperine–pyridine analogs,” Res. Chem. Intermed., vol. 44, no. 5, 2018, doi: 10.1007/s11164-018-3324-1.
9. K. Rao and U. Devi, “Effect of Silk Strength by Dietary Supplementation of Silk Worm with 1, 3, 4-Thiadiazoles, In Silico and In Vitro Bombyx mori DNA Binding Studies,” Der Pharma Chem., vol. 10, no. 2, pp. 87–101, 2018.
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11. K. R. Amperayani, Y. S. Krishna, R. R. Babu, and U. D. Parimi, “Recyclable Nano-Fe2O3 as an Efficient Catalyst for One Pot Synthesis of Substituted Oxadiazoles Under Microwave Condition,” Curr. Microw. Chem., vol. 5, no. 1, pp. 73–81, Apr. 2018, doi: 10.2174/2213335604666171109143640.
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13. D. V. R. Venugopal et al., “Design, synthesis and characterization of peptidyl boronate analogues as effective antimicrobial agents,” Res. Chem. Intermed., vol. 43, no. 10, pp. 5755–5778, Oct. 2017, doi: 10.1007/s11164-017-2961-0.
14. S. D. Rao, B. N. Rao, P. U. Devi, and A. K. Rao, “Isolation of lupeol, design and synthesis of lupeol derivatives and their biological activity,” Orient. J. Chem., vol. 33, no. 1, 2017, doi: 10.13005/ojc/330119.
15. K. R. Amperayani, A. Mamillapalli, and U. D. Parimi, “Evaluation of growth and economic parameters of Bombyx mori by substituted 1, 3, 4–oxadiazoles,” Int. J. ChemTech Res., vol. 9, no. 3, 2016.
16. M. K. Kannajosyula, K. R. Amperayani, and U. D. Parimi, “New visible spectrophometric methods for the assay of cintapride,” Indian J. Chem. Technol., vol. 23, no. 5, 2016.
17. K. M. Rao, K. R. Amperayani, K. Deepti, and P. U. Devi, “Determination of clopidogrel by visible spectrophotometry in pure form and pharmaceutical formulations,” J. Indian Chem. Soc., vol. 93, no. 2, 2016.
18. D. Kolli, K. R. Amperayani, and U. Parimi, “Total phenolic content and antioxidant activity of morinda tinctoria leaves,” Indian J. Pharm. Sci., vol. 77, no. 2, 2015.
19. U. Parimi and K. R. Amperayani, “Green Synthesis of Plant Mediated Silver Nano Particles and Evaluation of their Antimicrobial Activities,” vol. 4, no. April, 2014.