

Faculty Profile

Name of the Faculty : Dr.M.UshaRani
Designation : Assistant Professor
Email & Phone No. : usharani.lourdu@gmail.com & 7997925025
Department : BS&H(CHEMISTRY)
Educational Background : M.Sc, Ph.D (B.Ed)



Research Areas : SYNTHETIC ORGANIC CHEMISTRY

Experience :

Sl. No	Institute	Designation	Period
1	Andhra Loyola College	UG lecturer	4 years
2	PB Siddhartha college of Arts&Sciences and KCPSARP School	UG lecturer & PGT	5 years
3	ANR college &Sreevidhya Residential Degree& PG College	PG lecturer	5 years

List of Publications (National and International Journals): 14 International Journals & 1 patent

1. Published a paper entitled “A novel route to substituted 2-(N-Arylamino) benzothiozoles via Iron-promoted C-S bond formation”, in *Chemistry Select*, 4(1), 254-258, 2019, Impact Factor-1.505, (ISSN:2365-6549).
2. Published a paper entitled “One-pot three-component tandem reaction: Synthesis of aryl/alkyl cyanamides libraries and their further conversion into tetrazole derivatives”, in *Synthetic communications*, 48 (5), 500-510, 2018. Impact Factor-1.377, (ISSN: 0039-7911).
3. Published a paper entitled “Synthesis of cyanamides libraries and further conversion into tetrazole compounds via Click-Chemistry”, in *Heterocyclic Letters*, 8(4), 793-804, 2018, Impact Factor-5.8, (ISSN:2231-3087).
4. Published a paper entitled “Isothiocyanate-Directed Ortho-Selective Halogenation of Arenes via C-H Functionalization”, in *Catalysis Letters*, 148(1), 418-423, 2017, Impact Factor-2.911, (ISSN: 1572-879X).
5. Published a paper entitled “Iron mediated Desulphurization towards the synthesis of 2-Halo Aromatic Isothiocyanates” in *Chemistry Select*, 2, 295-299, 2017, Impact Factor-1.505, (ISSN: 2365-6549).

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Ganguru, Vijayawada – 521 139. Phone: 0866-2583842/43.

Email: dietoffice2009@rediffmail.com; URL: www.diet.ac.in

6. Published a paper entitled "**Synthesis of 2-arylthio arylcyanamides from 2-iodoarylisothiocyanates via a One pot three-component reaction**" in *New J. Chem*, 41, 8711, 2017, **Impact Factor-3.277**, (ISSN:1144-0546).
7. Published a paper entitled "**Copper promoted desulphurization towards the synthesis of isothiocyanates,**" in *Tetrahedron Letters*,58(2), 125-128, 2017, **Impact Factor-2.125**, (ISSN: 0040-4039)
8. Published a paper entitled "**A new way of method establish and validated of related substance of Glasdegib by RP-HPLC and its forced degradation study**" in *International Journal of Pharmaceutical Sciences and Researches*, 12(3),1599-1607, 2021, **Impact Factor-0.27**, (ISSN:0975-8232)
9. Published a paper entitled "**Analytical method development & validation for the estimation of Temazolamide & Anastrozole by using RP-HPLC method**" in *International Journal of Cardiovascular Disease Research*, 12, 2021, **Impact Factor-1.333**, (ISSN:0975-3583).
10. Published a paper entitled "**Copper promoted synthesis of tetrazoles and further conversion into dairy tetrazoles through C-N cross-coupling approach**" in *Indian Journal of Chemistry*,61,313-324,2022, **Impact Factor- 0.491**, (ISSN;0975-0975).
11. Published a patent entitled "**Anti-obesity formulation from medicinal plants and preparation method thereof**" by Indian Patent Office, 2022.
12. Published a paper entitled "**Synthesize and Analyze pure and myrtaceae doped KH₂PO₄ crystals**" in *International Journal of Health Sciences*", 6(S3), 592-603, 2022, **Impact Factor-2.96**, (ISSN:2249-9571).
13. Published a paper entitled "**Bio analytic and analytic method quantitative to tucatinib estimation in pure and pharmaceutical dosage form**" in *YMER Journal*, 21,782,2022,**Impact Factor-**, (ISSN:0044-0477).
14. Published a paper entitled "**Development and validation of RP-HPLC method for the simultaneous determination of Cisplatin,Capecitabine and Trastuzumab**" in,13,1, 2022, **Impact Factor-0.23**, (ISSN:0975-9506).
15. Published a paper entitled "**Anion receptors based on hydroquinone for binding to redox-switchable chloride**" in *ECB Journal*, 12(s2), 2197-2205, 2023, **IF-, ()**.

National/International Conferences ((National and International): 10

1. Presented a poster entitled "**NCS - directed Ortho Halogenation of Aryl Isothiocyanates**" in 21st CRSI National Symposium in Chemistry organized by Indian Institute of Chemical Technology, Hyderabad during 14th to 16th July 2017.

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2. Presented a paper on **“Water Analysis”** in National Seminar on “Plant-Microbe Interaction, Environmental Conservation-Challenges and Strategies “(PMECS 2017) organized by Acharya Nagarjuna University, Guntur, during 17th& 18th March, 2017.
3. Presented a poster entitled **“Design of Metal Chelates with Biological Activities”**, in UGC-SAP sponsored two day National Seminar on “Recent Trends in Chemical Speciation, Kinetics and Nanomaterials” organized by Department of Inorganic & Analytical Chemistry, Andhra University, Visakhapatnam during 3rd& 4th March, 2017.
4. Presented a paper on **“The synthesis of substituted Aryl Isothiocyanates using an inexpensive Transition Metal Catalyst”**, in Andhra Pradesh Academi of Sciences : 2nd A.P. Science Congress - 2016 (APSC2016) Organized by A. P. Akademi of Sciences in association with Dr. NTR University of Health Sciences, Acharya Nagarjuna University & Krishna University held at P.B. Siddhartha College of Arts & Sciences, Vijayawada, from 7th to 9th November, 2016.
5. Presented a paper on **“Synthesize and analyze pure and marytaceae doped KH₂PO₄ crystals”** in a Three Day National Seminar on “Green Technologies for Sustainable Environment” organized by the Department of Chemistry, Andhra Loyola College (A), Vijayawada from 22nd to 24th March, 2022.
6. Participated in **International Conference on “Materials for Energy and Environmental Protection”** organized by Departments of Physics, Chemistry & Electronics, Sir C R Reddy College (Autonomous), Eluru, on 12th&13th February, 2018
7. Participated in UGC sponsored two day International Conference on **“Emerging Trends in Chemical, Pharmaceutical, Environmental Sciences and Technology”** organized by Pithapur Rajah’s Govt. College (Autonomous), Kakinada on 24th&25th January 2017.
8. Participated in National Seminar on **“Impact of Pharmaceuticals and Personal Care Products on Environment and Sustainability of Environment”** organized by Y. A. Government Degree College for Women, Chirala on 16th& 17th December, 2016.



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9. Participated in National Seminar on **“Environmental Protection and Sustainable Development Issues and Challenges (EPSDIC)”** organized by Departments of Chemistry, Botany & Zoology, **SirC. R. Reddy College (Autonomous)**, Eluru on 22nd& 23rd September, 2016.
10. Participated in *UGC* sponsored, One Day National Seminar on **“Eradication of Pollution, the Role of Science”** organized by *IQAC* and Department of Chemistry, *VSR & NVR College*, Tenali on 8th January, 2015.

Achievements / Awards etc: ----

(Dr.M.USHA RANI)