

Dr. V. USHA

Assistant Professor,
Department of Chemistry,
University College of Engineering Panruti,
Panruti 607 106. TamilNadu.
Mail: yushachem2004@gmail.com
usha@ucep.edu.in
Cell: 9710891475

Educational Profile

1. **Ph.D.**, Anna University, Chennai - (2018)
2. **M.Phil.**, Bharathidasan University - (2006) – I Class.
3. **M.Sc.**, Bishop Heber College, Tiruchirappalli - (2004) – I Class.
4. **B.Sc.**, Holy Cross College, Tiruchirappalli - (2002) - I Class with distinction

Experience Profile

Teaching Experience : 17 years

1. Working as **Assistant Professor** at **University College of Engineering-Panruti**, Panruti from 2009 to till date
2. Worked as **Lecturer** at **Anna University Tiruchirappalli, Panruti campus** From 2008 to 2009
3. Worked as **Guest Lecturer** at **Arignar Anna Govt. Arts College, Musiri** . from 2004 to 2008.

Conference/ Seminars

1. Presented a paper entitled “Antimalarial Behaviour of Various Substituted Phenyl Chalcone” in ICECS-2K21 Organized by Department of Physics, PPG College of Arts and Science, in Collaboration with Indian Association For Crystal Growth, on 20 & 21, April 2021.
2. Attended International online workshop on counseling skills by A centre for wholeness and the Indian school Psychology association on 2 & 3, October 2020.
3. Attended an International webinar on Frontiers in Science and Technology conducted by Mahatma Gandhi University Nalgonda, Indian Chemical Society and American Chemical Society on 5& 6, September 2020.
4. Participated in National level virtual seminar on Sweet Chemistry on 28th August 2020 by UCE Thirukkuvalai
5. Participated in ICAMBA 2020 by Mattest Research Academy on 18-23rd July 2020.
6. Presented a paper entitled ” Study of catalytic activity of $Zn_3(PO_4)_2$ on the synthesis of some pyrenyl enones “ on Advanced materials processing and Technology-2020

Organised by dept.of physics, Arignar Anna govt.arts college, Villupuram from 18.07.2020 to 23.07.2020

7. Presented a paper entitled " UV, IR and NMR results of aryl chalcone with Hammett equations" on International Conference on Advanced Materials, Organized by dept.of Physics, Arul Anandar College, Madurai from 11.02.2020 to 12.02.2020
8. Presented a paper entitled "Solvent free synthesis of some N-(6-Bromonaphthalen-1-yl) benzene sulphonamides" on National Conference on Recent trends in nano Sciences Organised by dept. of Chemistry, BIHER, Chennai on 20,February,2020
9. Presented a paper entitled " Single and multi regression analysis of few N-(6-bromonaphthalen-1-yl) benzene sulphonamides with IR stretching frequencies " on International Conference on Organised by dept.of Physics, Thiru Kolanjiappar govt. arts college from 20.01.2020 to 21.01.2020
10. Presented a paper entitled "Activated Sodium Bentinitr catalyst for the synthesis of enone " on International Conference on Recent advancements in Material Science, Organised by dept.of Physics,The new College, Chennai on 21.01.2020
11. Presented a paper entitled "Solvent free synthesis of some N-(4-Bromonaphthalen-1-yl) benzene sulphonamides "on International Conference on Emerging trends & Innovations in Chemistry Organised by Dept. of Chemistry , Sengamala Thayaar educational trust womens college on 20.08.2019
12. Presented a paper entitled "Antifungal behavior of substituted styryl 3- Phenanthryl ketone" on International Conference on Sustainable Scientific Advancements ,Organised by dept. of Biotechnology, Physics and Chemistry, Sri Vinayaga College of arts and Science from 22.02.2019 to 23.02.2019
13. Presented a paper entitled "Hammett Substituent Effects On NMR Chemical Shifts Of Some Phenanthryl Chalcones " on International Conference on Recent advances in materials Science Organised by dept.of Physics, National college from 4.2.19 to 6.2.19
14. Presented a paper entitled "Hammett substituent effects on infrared frequencies of some Phenanthryl chalcones) " on International Conference on Recent trends in Chemistry Organised by Dept.of Chemistry, Dr. R. K. Shanmugam College of arts and Science on10.1.2019
15. Presented a paper entitled "Substituent Effects On Carbonyl Stretching Frequncies Of Some Substituted Aryl Enone " on International Conference on Advanced materials & its Applications Organised by Dept.of Physics, Thanthai Hans Roever College Perambalur from 13.8.18 to 14. 8.18
16. Presented a paper entitled "Synthesis IR Spectral Correlations In Some Symmetrical Diimines " on International Conference on Computing, Communication and Drastic Innovations in energy thrive Organised by Ucep 28.2.18 to 1.3.18
17. Presented a paper entitled "Microbial Activities Of (2E)- 3-nitro-4-chloro Phenyl Chalcones " on International Conference on Recent trends in synthetic methods and material chemistry Organized by Dept. of Chemistry, Annamalai University,during 2.02.2018 to 03.02.2018
18. Presented a paper entitled "Microbial applications of (2E)- chloro nitro substituted phenyl chalcone" on International Conference on Engineering materials and renewable energy Organized by Dept. of Chemistry, University college of engineering Villupuram during 04.01.2018 to 05.01.2018

19. Presented a paper entitled “Synthesis and Characterisation of Substituted 2-benzofuranyl chalcones” on International Conference on Advanced materials Organized by Dept. of Sciences, Amrita University, during 19.12.2016 to 21.12.2016
20. Presented a paper entitled “Ultrasonicated Synthesis, Spectral studies and antimicrobial activites of some aryl Chalcones” on International Conference on Nano materials and molecular research Organized by Dept. of Physics, ST. Joseph’s college of arts and science, Cuddalore during 08.12.2016 to 09.12.2016
21. Presented a paper entitled “Synthesis and biological evaluation of some 3-chloro-4-nitrophenyl enones” on International Conference on Chemistry of biomolecules current trends and future perspectives, Organized by Dept. of Chemistry, Holy cross college, Tiruchirappalli during 27.07.2016 to 28.07.2016
22. Presented a paper entitled “Synthesis and characterization of chalcones by ultrasonic method” on International Conference on Chemistry and materials Organized by Dept. of Chemistry, Anna University, BIT campus, Tiruchirappalli during 14.11.2014 to 15.11.2014
23. Presented a paper entitled “Synthesis and microbial activities of some chalcones ” on International Conference on Innovations and future research dimensions on nanobio Pharmaceutical Technology, Organized by Dept. of Pharmaceutical Technology , Anna University BIT campus, Trichy from 07.10.2014 to 08.10.2014
24. Presented a paper entitled “Microbial Activities of SubstitutedStyryl 3-Phenanthryl Ketone” on National Conference on Emerging trends in renewable energy and innovation in materials Science Organised by Dept. of Physics, Thiru Kolanchiappar Govt. arts College from 15.2.19 to 16.2.19
25. Presented a paper entitled “IR Spectral Hammett application of substituted benzylidene 2,6- disubstituted anilines” on National Conference on New energy materials for secure and Sustainable Future, Organised by Dept.of Physics, Thiru Kolanchiappar Govt.arts college, Vriddhachalam from 1.11.18 to 2.11.18
26. Presented a paper entitled “Synthesis spectral Hammett application and biological activities of substituted styryl 2-Pyrenyl ketones” on National Conference on Material science and its future prospects, Organized by Dept. of Chemistry, University college of Engineering Villupuram during 01.03.2017
27. Presented a paper entitled “Synthesis and characterization of few 3-phenanthryl chalcones” on National Conference on Advances in chemical sciences and technology Organized by KCG College of Technology during 02.02.2017 to 03.02.2017
28. Presented a paper entitled “Bactericidal dynamic (2E)- substituted phenylchalcones” on National Conference on Recent advances in material science and applications organized by Dept.of Chemistry, Anna University,BIT campus, Tiruchirappalli during 19.08.2016 to 20.08.2016
29. Presented a paper entitled “Hammett substituent effects on 1H and 13 C NMR chemical shifts of some Morpholino chalcones” on National Conference on Hierarchically structured Materials ,Organized by Dept. of Physics, SRM University during 04.03.2016 to 05.03.2016

Administrative Activities

1. Acting as Grivance redressal committee member from 2018
2. Acting as CoOrdinator for Students Grivances cell for Girls from 2020
3. Acted as HoD (i/c) from 2009 to 2015
4. Acted as Antiragging Committee member from 2009 to 2015

Research Activity

Research: Total Experience in Research : **09** Years

Area of Specialisation : Organic compound Synthesis, Spectral studies, Biological studies and material Sciences

Journal Publication - 09

1. Antimicrobial potent (2E)-3-chloro-4-nitro-phenylchalcones, Indian Journal of Chemistry, Vol - 56B, October 2017, PP 1094 – 1102, 2017
2. Synthesis and Antimicrobial Activities of Some 3-Phenanthryl Chalcones, Organic Preparation and Procedure International, 50, PP 459-463, 2018
3. Synthesis and Characterisation of Substituted 2-benzofuranyl Chalcones, Material Today Proceedings, 5, 16703–16715, 2018
4. Spectral studies and antimicrobial activities of some (E)-N-(substituted benzylidene)-2,6-diisopropylanilines, World Scientific News 66, 20-42, 2017
5. Investigation of catalytic activity of solid acidic FeCl₃/bentonite catalyst on the synthesis of some (E)-1-(2,4-dimethylthiazol-5-yl)-3-phenylprop-2-en-1-ones by solvent-free technique, Materials Today Proceeding Volume 22, Part 3, 931-936.2020.
6. Ultrasound assisted synthesis and pharmacological evaluation of some (E)- 1,2,3-triphenylprop-2-en-1-ones, Ovidius University Annals of Chemistry ,Volume 31, Number 2, pp. 152 - 157, 2020
7. Study of catalytic activity of Zn₃(PO₄)₂ on the synthesis of some pyrenyl enones, Materials Today proceedings, Volume 43, Part 2, Pages 2203-2207, 2021
8. Catalytic behaviour of solid acidic SO₄²⁻-SnO₂-fly ash peony flower like nano catalyst on the synthesis of some E-Pyrenyl enones, Materials Today proceedings ,Volume 43, Part 2, Pages 2208-2214, 2021
9. Catalytic effect of nano cadmium phosphate catalyst on the synthesis of some (E)-3,4-dimethoxyphenylprop-2-en-1-ones, Materials Today proceedings, 3 , 2117–2122, 2021

Personal Profile

Age : 40 Years

Date of Birth : 10.07.1981

Nationality : Indian

Languages Known : English, Tamil.

Address : 126 NJV Nagar
Neyveli – 607801.