



DEPARTMENT OF CHEMISTRY

RESEARCH PUBLICATIONS

Dr. V. Venkata Lakshmi

LIST OF PUBLICATIONS

1. "Characterization of Cucurbitacin C (A steroid) Esters as liquid crystals"; Indian journal of Heterocyclic Chemistry 10, 309-310. (2001)-Scopus Indexed Journal
2. "Synthesis and "Characterization of New ChromanoIsoxazoles" ; Chemistry An Indian Journal ; December 2003 ,pp 246-250.
3. "Synthesis and Characterization of p,p' – Diacyloxydibenzylidene acetyl acetone Esters as liquid crystals"; Chemistry An Indian Journal.Vol (5) February 2004, pp 368-373.
4. " Simultaneous First Order Derivative Spectrophotometric Determination of Copper and Nickel Using AnthronePhenylhydrazone (APH)", Research J. Pharm. and Tech. 5 (3): March 2012.
5. " Simultaneous Second Order Derivative Spectrophotometric Determination of Cadmium and Cobalt using Furfuraldehyde Thiosemicarbazone(FFTSC)"Research J. Pharm. and Tech6(5):May 2013.
6. " Design, Synthesis, Characterization and Pharmacological Evaluation of novelly substituted amides containing Pyrimidine nucleus as antibacterial agents" JOAC Sept2014, Volume3,Issue5.
7. "IN-Vitro Study of Antioxidant Activity of Various Extracts of RauwolfiaTetraphylla" ,American Journal of Plant Sciences 2014.
8. " Effect of particulate Fillers on the Mechanical ,Thermal,Moisture and Fire Performance of Unsaturated Isophthalic/Glass Fibre Reinforced Polymer Composites."Advances in Polymer Science and Technology2015:5(2):11-17
9. " Antioxidant Activity of leaf and fruit extracts of Rauwolfiatetraphylla Linn..' International Journal of Pharmaceutical Sciences and Research IJPSR/RA-6021/10-15(Impact factor 3.72)
10. " HPTLC Finger Print Profile of n-Hexane Extract of RauwolfiaTetraphylla" International Journal of Pharmacy and Analytical Research (IJPAR)/vol.4/issue4/Oct-Dec-2015(Impact factor 3.056)
11. " Electro Chemical and Photo catalytic Enactment of Recovered MnO₂ from consumed dry cell Batteries"- Paper Accepted for International Conference on Nanomaterials and Nano Technology.- Nano 2015
12. " Preparation of Chitosan /different Organo modified clay polymer Nano composites: Studies on morphological, swelling, Thermal stability and Anti Bacterial properties"- Paper Accepted for International Conference on Nanomaterials and Nano Technology.-Nano 2015.

13. "Recovery of Manganese Oxide Particle from Waste Dry Cells using Eco-Friendly Leaching Solid and their Electro Chemical Activity" Paper Presented in National Conference on "Advanced Functional Materials"(AFM-2015) held on 4th &5th December 2015 at DSCE,Bengaluru.
14. "Development and Characterization of Chitosan /Clay composites on their thermal and morphological behaviour" Paper Presented in National Conference on "Advanced Functional Materials"(AFM-2015) held on 4th &5th December 2015 at DSCE, Bengaluru.
15. 'Antioxidant Activity of leaf and fruit extracts of Rauwolfia tetraphyllaLinn.' International Journal of Pharmaceutical sciences and Research IJPSR (2016), Vol. 7, Issue 4 1705-1709
16. "HPTLC finger print profile of n-hexane extract of Mimusops elengi Linn"Journal of Pharmacognosy and Phytochemistry 2016,5(1),278-282. (ICV (**Poland**): 7.08)
17. " In Vitro antioxidant activity of leaf solvent extracts Mimusops elengi Linn" Journal of Medicinal Plants Studies 2016; 4(2): 84-87(Impact factor 3.95)
18. "Preparation of chitosan/different organo modied clay polymer nanocomposites: studies on morphological, swelling, thermal stability and anti-bacterial properties" Journal of NANOSYSTEMS: PHYSICS, CHEMISTRY, MATHEMATICS2016, 7 (4), P. 1{8)
19. "Electro chemical and photo catalytic studies of MnO₂ nanoparticle from waste dry cell batteries" Journal of NANOSYSTEMS: PHYSICS, CHEMISTRY, MATHEMATICS2016, 7 (4), P. 0-4
20. "A facile hydrothermal recovery of nano sealed MnO₂ particle from waste batteries :An advanced material for electrochemical and environmental applications International Journal of Materials and Engineering149(2016)012178 IOP Conference Series
21. "Synthesis and Characterization of Sodium Alginate Stabilized Nano_ZnO Impregnated into Bentonite Clay"Journal of BionanoscenceVol.11,1-7,2016
22. A facile hydrothermal recovery of Nano MnO₂ from waste dry cells, characterization of Nano MnO₂ and its applications Published in International Conference series IJME(2016)
23. Synthesis and characterization of sodium Alginate from stabilizednano ZnO Bentonite clay published in JBS(2016) Vol.11, Issue-1
24. Electro Plating of Zinc on Mild Steel Obtained by Recovery of Exhausted Batteries Leach Solutions for Corrosion Protection published in International Journal of Advanced Research(IJAR) Int.j.adv.Res,4(10)200-206, 2016
25. Recovery of Mn-Zn Ferrite from Waste batteries and development of rGO/Mn-Zn ferrite nanocomposite for water purification published in Materials today Proceedings-**Elsevier 2017(2214-7853)**
26. Resource Recovery and Material Characterization of Metals from Waste Li-Ion Batteries by an Eco-Friendly Leaching Agents Materials today Proceedings-**Elsevier4(2017)12215-12222.**
27. Cyclic Voltammetry and Electrochemical Impedance Spectral Properties of MnO₂ Obtained by Waste Discarded Batteries Using Eco-Friendly Leaching Materials published in Asian Journal of Chemistry Vol.29,No.9(2017),2016-2024-**Scopus Indexed Journal.**

28. Synthesis, Characterization and Pharmacological Evaluation of novel substituted aliphatic amides containing Pyrimidine nucleus as antibacterial and anthelmintic agents published in World journal of pharmaceutical Research January 2018 with **an impact factor of 7.523**
29. Synthesis and Characterization of novel sa-pa-lsa/c-30b/ag bio nanocomposites for swelling, antibacterial, drug delivery and anti-cancer applications published in Asian Journal of Pharmaceutical and Clinical Research Vol 11 issue3 March 2018.
30. In-Vitro Screening of Acetyl Choline Esterase activity and Antioxidant activity of different crude extracts from *Alpinia purpurata*: A New source of management of Alzheimer's Disease. published in "International Journal of Green and Herbal Chemistry" **an UGC approved and An International peer Reviewed Journal IJGHC, December 2017 – February 2018; Sec. B; Vol.7, No.1, 057-066**
31. "Synthesis and Characterization of Cloisite-30B Clay dispersed poly(acrylamide/sodium alginate)/Ag hydrogel composites for the study of BSA protein drug delivery and antibacterial activity" paper publication **in Asian Journal of Chemistry an International Peer Reviewed Research Journal of Chemistry 12th Jan 2018**
32. "Cyclic Voltammetry, Impedance and Thermal Properties of CoFe₂O₄ obtained from Waste Li-Ion Batteries" Published in Materials today: proceedings 00(2017) **Elsevier An International peer.**
33. "Synthesis and characterization of novel sa-pa-lsa/c-30b/ag nanocomposites for swelling, antibacterial, drug delivery, and anticancer applications" published in **Asian Journal of Chemistry, An International peer Reviewed Journal, vol 11, Issue 3,2018**
34. "Development, formulation, and evaluation of sodium alginate-g-poly (acryl amide-co-acrylic acid/cloisite-30b)/agnps hydrogel composites and their applications in paclitaxel drug delivery and anticancer activity" **published in International Journal of Applied Pharmaceutics, An International peer Reviewed Journal, Vol 10, issue 3,2018.**
35. "Effect of Oxalic Acid and Citric Acid on Recovery of Ni and Cd from Waste Batteries: Electrochemical and Thermal Investigation of Ni(OH)₂ Obtained from Leach Solution" **published in Research Journal of Chemistry and Environment, Vol. 22 (11) November (2018).**
36. Synthesis and Characterization of cloisite -30B clay dispersed poly(acryl amide /sodium alginate)/AgNp hydrogel composite for the study of BSA protein drug delivery and antibacterial activity". **Published in Material research Express 5(2018)025403.**
37. "In-vitro Screening of Acetylcholinesterase activity and Antioxidant activity of different crude extracts from *Alpinia purpurata*: A new source of Management of Alzheimers disease" published in **International journal of Green and Herbal Chemistry ,Vol 7,No1.057-066 2018-Peer Review E-3 journal of Science**
38. "Synthesis, Characterization and Pharmacological Evaluation of novel substituted aliphatic amides containing Pyrimidine nucleus as antibacterial and anthelmintic agents" **published in World journal of pharmaceutical Research Vol 7, Issue2, 2018 with an impact factor of 7.523.**

Research Articles Published in International Conference proceedings:

1. Synthesis and characterization of nano copper oxide loaded chitosan grafted poly (acrylamide)/cloisite-30B hydrogel composites –National conference in RAAS-2016
2. HPTLC Finger print profile of Dichloromethane Extract of *Rauwolfia Tetraphylla* linn- National conference in RAAS-2016
3. Electroplating of Zinc on mild steel obtained by Recovery of exhausted batteries leach solutions for corrosion protection- National conference in RAAS-2016

4. Synthesis and Characterization of ZnO/MgO Nano Particles by Curry Leaves through Green Approach and their photocatalytic applications- National conference in RAAS-2016
5. One Pot Approach of Binary Composite of GNS/MnO₂ for Electrochemical Studies and Environmental Applications- National conference in RAAS-2016
6. Synthesis and Characterization Composite of MnO₂/Graphene/MWCNT: An Synergistic Catalyst for Degradation of Methyl Red and Malachite Green- National conference in RAAS-2016.

Dr. VEERANNA VADDE

LIST OF PUBLICATIONS

1. Simultaneous Fourth Order Derivative Spectrophotometric Determination of Cobalt, Nickel and Iron Using Anthrone Phenylhydrazone (APH), *Asian J. Research Chem.* 4(4): April, 2011.
2. Simultaneous Second Order Derivative Spectrophotometric Determination of Mercury and Cobalt Using Furfuraldehyde Thiosemicarbazone (FFTSC), *Asian J. Research Chem.* 4(9): Sept., 2011.
3. A NOVEL SPECTROPHOTOMETRIC METHOD FOR THE MICRO DETERMINATION OF MERCURY (II), *Analele Universității din Bucuresti – Chimie (serie nouă)*, vol 20 no. 1, pag. 57 – 64.
4. Simultaneous Fourth Order Derivative Spectrophotometric Determination of Cobalt, Nickel and Copper Using Anthrone Phenylhydrazone (APH), *Chem Sci Trans.*, 2012, **1(2)**, 000-00.
5. Simultaneous Second Order Derivative Spectrophotometric Determination of Cadmium and Cobalt using Furfuraldehyde Thiosemicarbazone (FFTSC), *Research J. Pharm. and Tech.* 6(5): May 2013.
6. Simultaneous First Order Derivative Spectrophotometric Determination of Copper and Nickel Using Anthrone Phenylhydrazone (APH), *Research J. Pharm. and Tech.* 5 (3): March 2012.
7. Analytical Determination of Uranium (VI) by Spectrophotometry, *International Journal of Advanced Research in Chemical Science (IJARCS) Volume 3, Issue 5, May 2016, PP 1-6.*
8. Synthesis and antimicrobial evaluation of substituted fluoroquinolones under conventional and microwave irradiation conditions, *European Journal of Chemistry* 8 (2) (2017) 144-148.