Dr. P. Kamaraj

1. S.Devikala, **P.Kamaraj** and M.Arthanareeswari , Sensing of Acetone Vapours using Pvdzr Composite, Chemical Engineering Transactions, Vol 66 (2018) 265-270 (I.F:1.1) (S)
2. S.Devikala, **P.Kamaraj**, M.Arthanareeswari, Corrosion resistance behavior of PVA/TiO2 composites in 3.5% NaCl, Materials Today: Proceedings, vol.5 iss.2P3 (2018) 8662 (I.F: 0.94)
3. S.Devikala, **P.Kamaraj**, M.Arthanareeswari, AC conductivities of PMMA/TiO2 composites, Materials Today: Proceedings, vol.5 iss.2P3 (2018) 8668 (I.F: 0.94)
4. R.Vennila, A.Hasina Banu, **P.Kamaraj**,S.Devikala, M.Arthanareeswari, J.A.Selvi,T.Pushpamalini, J.G.Buela, D.Priya and R.Sivasankari, A novel glucose sensor using green synthesized Ag doped CeO2 nanoparticles, Materials Today: Proceedings, vol.5 iss.2P3 (2018) 8673(I.F: 0.94)
5. R.Vennila, **P.Kamaraj**, M.Arthanareeswari, M.Sridharan, G.Sudha, S.Devikala, J.Arockia Selvi, B.Sivakumar, A.Hasina Banu, K.Rajeshwari, Biosynthesis of ZrO nanoparticles and its natural dye sensitized solar cell studies , Materials Today: Proceedings, vol.5 iss.2P3 (2018) 8681(I.F: 0.94)
6. T.Pushpamalini, A.Ramesh, M.Arthanareeswari, **P.Kamaraj**, J.Arockiaselvi, TiO2 assisted photocatalytic decomposition of butachlor in aquous solution, ground water and effluent, Materials Today: Proceedings, vol.5 iss.2P3 (2018) 8834(I.F: 0.94)
7. M.Arthanareeswari, **P.Kamaraj**, M.Tamilselvi and S.Devikala, J.Arockiaselvi, T.Pushpamalini,Effect of ZrO2 on Zinc phosphosphating of mild steel, Materials Today: Proceedings, vol.5 iss.2P3 (2018) 8870 (I.F: 0.94)
8. M.Tamilselvi, **P.Kamaraj**, M.Arthanareeswari and S.Devikala, A low temperature nano TiO2 incorporated nano zinc phosphate coating on mild steel with enhanced corrosion resistance, Materials Today: Proceedings, vol.5 iss.2P3 (2018) 9002(I.F: 0.94)
9. Arockia Selv. i J*, Pushpa Malini T, Arthanareeswari M, **Kamaraj P**, Mohan Kumar R, Sneh R Patel, Subasree N, Evaluation of Inhibitory Effect of Nerium oleander Leaf Extract on Mild Steel Corrosion in Aqueous Medium,Der pharma chimica, (S1):1-6, 2018 (I.F:0.62)
10. N.Subasree, J.Arockiaselvi*, **P.Kamaraj**, M.Arthanareeswari, Study of Mild Steel Corrosion in Sulphuric acid medium by Moringa oleifera leaf extract by Electrochemical and Surface Analysis Studies, International journal of chemtech research, 11(2). 317-325, 2018 .
11. S.Devikala, **P.Kamaraj**, M.Arthanareeswari, Acetone sensing by PVDF composite, Journal of Metals, Mines and Fuels,Spl.iss.Part II, 2018.
12. Ravikiran, Arthanareeswari Maruthapillai, **Kamaraj Palanisamy**, Praveen Chappa, Moisture sorption–desorption characteristics and the corresponding thermodynamic properties of carvedilol phosphate, Journal of pharmacy and bioallied sciences, Vol.9(1), 2017 (UGC Approved)

13. Sneh R Patel, **P.Kamaraj**, J.Arockiaselvi, T.Pushpamalini, S.Devikala, M.Arthanareeswari **"Preparation and Characterisation of Pharmaceutical Solids – A Review", International Journal of Pharmaceutical Sciences Review and Research, Volume 43, Issue 2, March - April 2017 (I.F: 0.65)**

14. Vennila Raj, **P.Kamaraj**, K.Rajeswari, G.Karthick, V.Hariharan, V. Aroulmoji, Novel synthesis and characterization of barium doped lead sulphide nanoparticles by facile chemical precipitation method, Int.J.Adv. Sc. Engg., 3(2)313-318, 2016.

15. Ravikiran, Arthanareeswari, **P.Kamaraj**, Hygroscopicity categorization of pharmaceutical solids by gravimetric sorption analysis: A systematic approach, Asian Journal of pharmaceutics, 10(4)oct-Dec.2016 (S)

16. Thanikachallam Pushpa Malini[1*], Atmakuru Ramesh[2], Johnpeter Arockia Selvi[1], Maruthapillai Arthanareeswari[1] and **P. Kamaraj**, Kinetic Modeling of Photocatalytic Degradation of Alachlor using TiO_2 (Degussa P25) in Aqueous Solution, Oriental Journal of Chemistry, 32 (6); 3165-73; 2016 (I.F.: 0.61)

17. Pavan Kommavarapu, Arthanareeswari Maruthapillai, **Kamaraj Palanisamy**, and Ravi Teja Koya, Physical characterization and dissolution performance assessment of eltravirine solid dispersions prepared by spray drying process, Pak.J.Pharm.Sci. V0.29(6), Nov. 2016 (I.F.: 0.682)

18. Pavan Kommavarapu, Arthanareeswari Maruthapillai, **Kamaraj Palanisamy**, Preparation and Characterization of Efavirenz Nanosuspension with the application of Enhanced solubility and Dissolution Rate ,HIV&AIDS Review, 15(4) 2016 170-176 (2016) (IF:0.28)

19. S. Devikala, **P. Kamaraj*** and M. Arthanareeswari, Sensing of Acetone Vapours using Polymer Composite, Oriental Journal of Chemistry, Volume 32, Number 4, 2016 (I.F.: 0.61)

20. Pavan Kommavarapu, Arthanareeswari Maruthapillai, **Kamaraj Palanisamy,** and Ravi Teja Koya, Effect of Polymorphism and Application of Kinetic Models for the Evaluation of In Vitro Dissolution Profiles of an Eletriptan Hydrobromide Formulation, Dissolution Technologies, dx.doi.org/10.14227/DT220415P30, Nov.2015 (S)

21. K. Pavan, **M. Arthanareeswari, P. Kamaraj**, Preparation, Characterization and Evaluation of Elvitegravir-Loaded Solid Lipid Nanoparticles for Enhanced Solubility and Dissolution Rate, Tropical Journal of Pharmaceutical Research**, 2015; 14 (9) 1549-1556.(S)**

22. Nagadeep Jaishetty, **Kamaraj Palanisamy,** Arthanareeswari Maruthapillai, Rajamanohar **J**, Trace Level Quantification of (−)2-(2-Amino-5-chlorophenyl)-4-cyclopropyl-1,1,1-trifluoro-3-butyn-2-ol Genotoxic Impurity in Efavirenz Drug Substance and Drug Product Using LC–MS/MS, ***Sci. Pharm.* 2016, *84*(3), 456-466; doi:10.3390/scipharm84030456 (S) (0.86)**

23. N. Venkatesan[1], **P. Kamaraj**[2,*], S. Devikala[3] and M. Arthanareeswari[4] , Synthesis and characterization of neodymium based polymer composites and their application in corrosive environment , RJC, 8(3), 321 - 329, 2015 (S) UGC Approved

24. J. Nagadeep , **P. Kamaraj**, M. Arthanareeswari, Gradient RP-HPLC method for the determination of potential impurities in Dabigatran etexilate in bulk drug and capsule

formulations, Arabian Journal of Chemistry, 9 October 2015; doi:10.1016/j.arabjc.2015.09.006 (I.F. 4.553)

25. Nagarajan Saravanan*, Maruthapillai Arthanareeswari, **Palanisamy Kamaraj** and Bitragunta Sivakumar, Efficient Synthesis of Quinolo-oxepanes Through [3+2] Cycloaddition Reaction of a,b- Unsaturated Ester with Unstabilized Azomethine Ylides Asian J. Chem. /2015 / 27(10)/ pp 3670/DOI:10.14233/ajchem.2015.18915 (S)/UGC Approved.

26. *S Baby Gayathri, **P Kamaraj**, M Arthanareeswari and S Devikala,* Double stranded DNA templates for the electrochemical determination of benzene derivatives, IJACSA, 3(3),2015; DOI No: 10.3984/IJACSA/88

27. S.Baby Gayathri, **P.Kamaraj**, M.Arthanareeswari and S.Devikala, DNA nanostructures based biosensor for the determination of aromatic compounds, Biosensors and Bioelectronics, DOI: 10.1016/j.bios.2015.05.002 (I.F.: 7.778)

28. Kuhelika Das, Nasruddeen Yusuf Al-awwal, B. Sivakumar, V. Sankar, M. Arthanareeswari, **P. Kamaraj** ,Catalyst free efficient synthesis and characterization of α-aminophosphonates, IJACSAVolume 3, Issue 2, 2015

29. *Pavan Kommavarapu, Arthanareeswari Maruthapillai, **Kamaraj Palanisamy***, Identification and Quantitative Determination of Eletriptan hydrobromide Polymorphs: Thermal, diffractometric and spectrometric study, Journal of Taibah University for Science 04/2015; 12. DOI: 10.1016/j.jtusci.2015.03.011(S)

30. *Pavan Kommavarapu, Arthanareeswari Maruthapillai, **Kamaraj Palanisamy***, Manasvi Sunkara, Preparation and characterization of rilpivirine solid dispersions with the application of enhanced solubility and dissolution rate, Beni-Suef University Journal of Basic and Applied Sciences 03/2015; DOI: 10.1016/j.bjbas.2015.02.010 (I.F.: 0.61)

31. A Ravikiran, M Arthanareeswari, **P Kamaraj**, Ch Praveen, , K V Pavan, Water sorption behavior of some commonly used pharmaceutical excipients: Microcrystalline cellulose (MCC), Hydroxypropyl methylcellulose (HPMC) and Croscarmellose Sodium,IJACSAVolume 3, Issue 1, 2015

32. M. Tamilselvi, **P. Kamaraj**, M. Arthanareeswari, S. Devikala and J. Arockia Selvi, Development of nano SiO2 incorporated nano zinc phosphate coatings on mild steel, Applied Surface Science 03/2015; 332. DOI: 10.1016/j.apsusc.2015.01.177 (I.F.:3.387)

33. S Baby Gayathri and **P Kamaraj**, Development of Electrochemical DNA Biosensors-A Review, Chemical Science Transactions, 4(2) 2015, DOI:10.7598/cst2015.977

34. M. Tamilselvi, **P. Kamaraj**, M. Arthanareeswari, S. Devikala and J. Arockia Selvi, Progress in Zinc Phosphate Conversion Coatings: A Review, International Journal of Advanced Chemical Science and Applications (IJACSA), 3(1) 25-41, 2015

35. M. Tamilselvi, **P. Kamaraj**, M. Arthanareeswari, S. Devikala, Nano zinc phosphate coatings for enhanced corrosion resistance of mild steel, Applied surface science, Volume 327, (1 February 2015), *Pages 218-225* (I.F: 3.387)

36. S. Babygayathri, **P. Kamaraj**, M. Arthanareeswari and S. Devikala , Electrochemical Characterization of Guanine and Guanosine Based Biosensors Over Multi-Walled Carbon Nanotube Modified Graphite Electrode, Chemical Science Transactions, 2014, 3(4), 1446-1454

37. Praveen C, **Arthanareeswari M**, **Kamaraj P**, Ravikiran A, A study on kinetics and mechanism of thermal dehydration of Irinotecan hydrochloride trihydrate, International Journal of Innovative Research in Science & Engineering , 2 (S1) 711 – 717, 2014.

38. Ravikiran A, **Arthanareeswari M**, **Kamaraj P**, Praveen C,Pavan Kv, Non isothermal kinetics analysis of dehydration of Lactose Monohydrate, International Journal of Innovative Research in Science & Engineering, 2 (S1) 733 – 737, 2014.

39. S Baby Gayathri, **P Kamaraj**, M Arthanareeswari, S Devikala, Electrochemical Characterization of Purines Over Multi-walled Carbon Nanotubes Modified Graphite Electrode, International Journal of Innovative Research in Science and Engineering, 2 (S1) pp. 130 – 134, 2014.

40. S Devikala, **P Kamaraj**, M Arthanareeswari, Coductivity studies of PMMA/Al_2O_3 composite, International Journal of Innovative Research in Science & Engineering, 2 (S1) 759-764, 2014.

41. Arunima Bhattacharjee,**P. Kamaraj**, Undoped Nanostructures of Zinc Oxide with significant emission properties using Hydrothermal Method, International Journal of Advanced Chemical Science and Applications (IJACSA) Volume -2, Issue -2, 2014

42. *V. M. Dayalan, M. Arthanareeswari, **P. Kamaraj**, B. Siva Kumar, S. Devikala And T. K. Mohan,* **Recent Progress in Three-Component Reactions for Synthesis of α-Aminophosphonates, IJACSA,** 2(1) **DOI No:** 10.3984/IJACSA/28 (2014)

43. S. Baby Gayathri, **P. Kamaraj**, M. Arthanareeswari and S Devi Kala, Electrochemical Determination of Benzene Substituted Derivatives using Carbon Based Purine Electrodes through Electrochemical Impedance Spectroscopy, International Journal of Electrochemical Science , 9 (2014)6113 -6123 (I.F:1.469)

44. S.Baby Gayathri and **P.Kamaraj**, Chemistry of self assembled DNA nano structures-An overview, International journal of advanced Chemical science and applications, Vol.2, Iss.2(2) (2014)

45. *S. Devikala, **P. Kamaraj**, M. Arthanareeswari and V.K.Indira Priyadharshini* **,PMMA Composite Thick Films as Gas Sensors,** International journal of advanced chemical science and applications, **DOI No:** 10.3984/IJACSA/27 (2014)

46. *Pavan Kommavarapu, Arthanareeswari Maruthapillai, **Kamaraj Palanisamy**, Venkata Narasayya Saladi, Ravi Teja Koya,* **Solid Dispersions for Solubility and Bioavailability Enhancement of Poorly Aqueous Soluble Drugs: A Review** International journal of advanced chemical science and applications, **DOI No:** 10.3984/IJACSA/25 (2014)

47. *S. Devikala, **P. Kamaraj** and M. Arthanareeswari,* **Electrochemical Performance of PMMA/Al2O3 Composite Coatings,** International journal of advanced chemical science and applications, **DOI No:** 10.3984/IJACSA/20 (2014)

48. *Vennila Raj, **Kamaraj Palanisamy**, Arthanareeswari M and Devikala S*, **Surface modification of mild steel using Ag doped SnO2 nanoparticles for corrosion inhibition**, International journal of advanced chemical science and applications **DOI No:** 10.3984/IJACSA/21 (2014)

49. **P Kamaraj**, R.Vennila, M Arthanareeswari, S Devi Kala, Biological Activities Of Tin Oxide Nanoparticles Synthesized Using Plant Extract, World Journal of Pharmacy and Pharmaceutical Sciences , Volume 3, Issue 9, 382-388, Sept. 2014 .

50. S. Baby Gayathri and **P Kamaraj**, Genotoxicity of benzene and soluble benzene substituted organic compounds in mammals-A review, International Journal of Pharmaceutical Science and Health Care Issue 4, Vol. 4. July-August 2014

51. S.Devikala, **P.Kamaraj**, M.Arthanareeswari, Electrochemical performance ofPMMA/ Al2O3 composite coatings, International Jl. Adv.Chem.Sci.App., **DOI No:** 10.3984/IJACSA/20, 1(2)2014

52. Saravanan Nagarajan, Arthanareeswari Maruthapillai, **Kamaraj Palanisamy**, Sivakumar Bitragunta , Efficient synthesis via azide–alkyne Huisgen [3+2] cycloaddition reaction and antifungal activity studies of novel triazoloquinolines, Research on Chemical Intermediates. 2014 (I.F.: 1.369)

53. S. Baby Gayathri, **P Kamaraj**, M Arthanareeswari and S.Devikala, Fabrication and evaluation of Multiwalled Carbon Nanotube electrodes for electrochemical analysis, International Journal of Advanced Scientific and Technical Research (I.F: 2.91) Issue 4, volume 3, May-June 2014

54. VennilaRaj, **P. Kamaraj**, T. Raju, M. Arthanareeswari, S. Devikala and J. Arockiaselvi, **An Electrochemical Study on Green Synthesized Ag Doped Bi2O3 Nanoparticles Coated on Copper Alloys in Sea Water Environment,** International Journal of Advanced Scientific and Technical Research, (I.F: 2.91) Issue 4 volume 3, May-June 2014, ISSN 2249-995

55. M. Tamilselvi , M. Arthanareeswari and **P. Kamaraj**, Acceleration of low temperature zinc phosphating; Galvanic coupling Vs. Electrochemical treatment, Acta Chim. Pharm. Indica: 4(1), 2014, 29-39 ISSN 2277-288X

56. Amitkrishan, M.Arthanareeswari and **P.Kamaraj** Vermicomposting of Solid Waste Using Local and Exotic Earthworms - A Comparative Study, Chem Sci Trans. , 2014, 3(2), pp 646-651 DOI:10.7598/cst2014.781

57. **P.Kamaraj,** M Arthanareeswari,J.Arockiaselvi, R.Vennila and Ilamathi, Podophyllum Hexandrum Fruit Extract as Corrosion, Inhibitor of Mild Steel in 1N HCl Indian Journal Of Applied Research, Volume : 4 | Issue : 6 | June 2014 | ISSN - 2249-555X

58. Vennila Raj, **P. Kamaraj**, M. Arthanareeswari, J. Deepika, Evaluation of The Biological Activities of Ag Doped Bismuth Oxide Nanoparticles, Indian Journal Of Applied Research, Volume : 4 | Issue : 6 | June 2014 | ISSN - 2249-555X

59. S Baby Gayathri, **P Kamaraj** and M Arthanareeswari, Multi-Walled Carbon Nanotubes based Purine Electrodes for Electrochemical Detection of Benzene and its Derivatives using Differential Pulse Voltammetry, Int. J. of Multidisciplinary and Current research, 2, March/April 2014

60. **P. Kamaraj**, S. Devikala and M. Arthanareeswari Fabrication, Characterization and application of polymethylmethacrylate/ titanium dioxide composite coatings for corrosion inhibition, International journal of advanced scientific and technical research (I.F: 2.91) Issue 4 volume 1, January-February 2014, 711-720

61. Harindran Suhana, M. Arthanareeswari and **P. Kamaraj**, Synthesis of 3-azoindoles, International Research Journal of Pure & Applied Chemistry 4(3): 292-298, 2014