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**TOTAL NUMBER OF PUBLICATIONS: 25**

**LIST OF RECENT PUBLICATIONS**

1. Kannan, K., Agilan, S., Muthukumarasamy, N., **Vijayakumar, K.** and Vinitha, G., 2020. Synthesis, characterization and nonlinear optical properties of si/pva-peg nanocomposites. Journal of Ovonic Research Vol, 16(6), pp.355-360.
2. Vidhya, J. and **Vijayakumar, K.**, 2020, November. Electro-optical properties of spray deposited fluorine doped tin oxide thin films for solar cell applications. In AIP Conference Proceedings (Vol. 2270, No. 1, pp. 110013). AIP Publishing LLC.
3. Pari, C., **Vijayakumar, K.**, Vijaya Kumar, P., Sampath, K. and Jafar Ahamed, A., 2020, November. Synthesis, characterization and biological activity of copper oxide nanoparticles. In AIP Conference Proceedings (Vol. 2270, No. 1, pp. 110024). AIP Publishing LLC.
4. Geetha, S., **Vijayakumar, K.**, Aranganayagam, K.R. and Thiruneelakandan, G., 2020, November. Biosynthesis, characterization of silver nanoparticles and antimicrobial screening by *Oscillatoria Annae*. In AIP Conference Proceedings (Vol. 2270, No. 1, pp. 110026). AIP Publishing LLC.
5. Geetha, S. and **Vijayakumar, K.**, 2020. Synthesis, Characterization and the anti HIV1 behavior of some Novel Clubbed Benzimidazole derivatives approaches. Research Journal of Pharmacy and Technology, 13(7), pp.3383-3388.
6. Anand, K., Naicker, T., Baijnath, S., Mphahlele, M.J., Katari, N.K., Zamisa, S.J., Balakumar, C., **Vijayakumar, K.**, Palanisamy, S., Saravanan, M. and Boomi., 2020. TPGS-mediated one-pot synthesis, XRD structural analysis, antimicrobial evaluation and molecular docking of novel heterocycles as potential inhibitors of p53-MDM2 protein. Journal of Molecular Structure, 1202, pp.127252.

7. **Vijayakumar, K.**, Geetha S., and Govindaraj, M., 2019. Degradation of Rhodamine B Dye Solution by Photoelectrocoagulation Treatment Techniques, Asian Journal of Chemistry, Vol. 31(5), 1095- 1099.
8. **Vijayakumar K.**, and Thiruneelakandan G., 2018. Green Synthesis Silver Nanoparticles Using *Rorgraphis Paniculata* (nees) and its Antimicrobial against Human Pathogens, Jour. Of Global Pharma Technology, 10(08), pp. 6-11.
9. Geetha, S., Sumathi N., **Vijayakumar K.**, 2018. Synthesis, Characterisation and Pharmacological Screening of Macro Cyclic Vanadium (IV) Complexes, Jour. of Global Pharma Technology, 10(10), 0105.
10. Sumathi, N., Geetha, S., and **Vijayakumar K.**, 2018. Physical Science Approaches of 2-Bromobenzamide Derivative, Jour. of Optoelec. and Biomed. Mat. 10(3), pp.63-72
11. **Vijayakumar K.**, Sountharajan S, Suganya E., 2018. Synthesis, Characterization and Evaluation of Cancer Prevention Activity of Novel Clubbed Heterocyclic Compounds, Asian. Pac. J. Cancer. Prev, 19(1),247- 252.
12. **Vijayakumar, K.**, Lawrence Justin A, and Govindaraj, M., 2018. Photoelectrocatalytic Degradation Of Endocrine Disrupting Chemical From Aqueous Solution Using ZnO Nanocatalyst, Jour. of Optoelec. and Biomed. Mat. Vol. 10 (2), pp. 43 -53.
13. R. Rathinam, M. Govindaraj, **Vijayakumar K.**, and S. Pattabhi 2018. Decolourization of Rhodamine B from aqueous solution by electrochemical oxidation using graphite electrodes, Taylor & Francis Group, Desalination and Water Treatment, Vol. 57, 16995-17001.
14. **Vijayakumar K.**, and Govindaraj M., 2016. Synthesis, Characterization and Biological Evaluation of Some New Schiff Base Complexes, Jour. of Engg. Scie. Res & App. 2(2), 8-16.
15. **Vijayakumar K.**, and Govindaraj M., 2016. Synthesis, Characterization and Biological Screening of Some New Schiff Base Ni(II) Complexes, Jour. of Engg. Scie. Res & App. 2(5),41-49,
16. **Vijayakumar K.**, and Govindaraj M., 2016. Removal of 2,4- Dinitrophenol From Aqueous Solution by Adsorption On to Polyaniline Coated Saw Dust as Synthetic Adsorbent, Jour. of Engg. Scie. Res & App. 2(7), 56-64.