- Saravanakumar, M., Chandrasekaran, J., Krishnakumar, M., Babu, B., Vinitha, G. and Anis, M., 2020. Experimental and quantum chemical studies on SHG, Z-scan and optical limiting investigation of 2-amino-5-bromopyridinium trifluoroacetate single crystal for optoelectronic applications. *Journal of Physics and Chemistry of Solids*, 136, p.109133.
- 2. P Surendran, A Lakshmanan, S Sakthy Priya, K Balakrishnan, P Rameshkumar, Tejaswi Ashok Hegde, G Vinitha, G Ramalingam, A Antony Raj., 2020. Investigations on solid-state parameters of third-order nonlinear optical Ni 1– x Zn x Fe 2 O 4 nanoparticles synthesized by microwave-assisted combustion method. *Applied Physics A*, 4, pp.1-11.
- 3. Vani, P., **Vinitha, G.,** Sayyed, M.I., Elbashir, B.O. and Manikandan, N., 2019. Investigation on structural, optical, thermal and gamma photon shielding properties of zinc and barium doped fluorotellurite glasses. *Journal of Non-Crystalline Solids*, *511*, pp.194-200.
- 4. Kumar, S.A., Senthilselvan, J. and **Vinitha, G.**, 2019. Third order nonlinearity and optical limiting behaviors of Yb: YAG nanoparticles by Z-scan technique. *Optics & Laser Technology*, *109*, pp.561-568.
- Suriya, M., Boaz, B.M., Chakkaravarthi, G., Vinitha, G. and Murugesan, K.S., 2019.
  Synthesis, crystal growth, structural, spectral, thermal, optical characteristics and density functional theory calculations of a novel third-order nonlinear optical material:
  4-acetylanilinium dihydrogen phosphate (4AADP) single crystals. *Journal of Molecular Structure*, 1180, pp.330-343.
- Rahulan, K.M., Sahoo, T., Flower, N.A.L., Kokila, I.P., Vinitha, G. and Sujatha, R.A.,
  2019. Effect of Sr2+ doping on the linear and nonlinear optical properties of ZnO nanostructures. *Optics & Laser Technology*, 109, pp.313-318.
- 7. Divya, R., Manikandan, N. and **Vinitha, G.**, 2019. Synthesis and characterization of nickel doped zinc selenide nanospheres for nonlinear optical applications. *Journal of Alloys and Compounds*, 791, pp.601-612.
- 8. George, J., Sajan, D., Alex, J. and **Vinitha, G.**, 2019. Proton-induced intermolecular charge transfer in Picolinium Tartrate Monohydrate crystal for OLED and nonlinear optical applications: A combined experimental and computational study. *Dyes and Pigments*, 165, pp.239-248.

- 9. Krishnakumar, M., Karthick, S., Thirupugalmani, K., Babu, B. and **Vinitha, G.**, 2018. Growth, spectral, optical, laser damage threshold and DFT investigations on 2-amino 4-methyl pyridinium 4-methoxy benzoate (2A4MP4MB): A potential organic third order nonlinear optical material for optoelectronic applications. *Optics & Laser Technology*, *101*, pp.91-106.
- 10. George, J., Sajan, D., Alex, J., Aravind, A., Vinitha, G. and Chitra, R., 2018. An experimental and computational approach to electronic and optical properties of Diglycine barium chloride monohydrate crystal: Applications to NLO and OLED. Optics & Laser Technology, 105, pp.207-220.
- 11. Era, P., Jauhar, R.M., **Vinitha, G**. and Murugakoothan, P., 2018. Synthesis, growth, structural modeling and physio-chemical properties of a charge transfer molecule: Guanidinium tosylate. *Optics & Laser Technology*, *101*, pp.127-137.
- 12. Nageshwari, M., Kumari, C.R.T., **Vinitha, G.**, Mohamed, M.P., Sudha, S. and Caroline, M.L., 2018. Crystal growth, structural, spectral, thermal, dielectric, linear and nonlinear optical characteristics of a new organic acentric material: 1-Methionine-Succinic acid (2/1). *Journal of Molecular Structure*, 1155, pp.101-109.
- 13. Safeera, T.A., Khanal, R., Medvedeva, J.E., Martinez, A.I., **Vinitha, G**. and Anila, E.I., 2018. Low temperature synthesis and characterization of zinc gallate quantum dots for optoelectronic applications. *Journal of Alloys and Compounds*, 740, pp.567-573.
- 14. Muruganandi, G., Saravanan, M., **Vinitha, G.**, Raj, M.J. and Girisun, T.S., 2018. Barium borate nanorod decorated reduced graphene oxide for optical power limiting applications. *Optical Materials*, 75, pp.612-618.
- 15. Perumal, R.N., Subalakshmi, G., Varadarajan, E., Sadhasivam, S. and **Vinitha, G.,** 2018. Optical properties of Eu 3+ activated SrLa 2 O 4 red-emitting phosphors for WLED applications. *Journal of Materials Science: Materials in Electronics*, 29(4), pp.2638-2644.
- 16. Ponraj, C., **Vinitha, G.** and Daniel, J., 2017. A review on the visible light active BiFeO3 nanostructures as suitable photocatalyst in the degradation of different textile dyes. *Environmental Nanotechnology, Monitoring & Management*, 7, pp.110-120.
- 17. Nageshwari, M., Jayaprakash, P., Kumari, C.R.T., Vinitha, G. and Caroline, M.L., 2017. Growth, spectral, linear and nonlinear optical characteristics of an efficient semiorganic acentric crystal: L-valinium L-valine chloride. *Physica B: Condensed Matter*, 511, pp.1-9.

- 18. Sreeja, V.G., **Vinitha, G.**, Reshmi, R., Anila, E.I. and Jayaraj, M.K., 2017. Effect of reduction time on third order optical nonlinearity of reduced graphene oxide. *Optical materials*, 66, pp.460-468.
- Jayaprakash, P., Sangeetha, P., Mohamed, M.P., Vinitha, G., Muthu, S., Prakash, M. and Caroline, M.L., 2017. Growth and characterization of dl-Mandelic acid (C6H5CH (OH) CO2H) single crystal for third-order nonlinear optical applications. *Journal of Molecular Structure*, 1148, pp.314-321.
- 20. Santhi, V., Ramya, K., Tarana, A.P.J. and **Vinitha, G.**, 2017. IOT based wearable health monitoring system for pregnant ladies using cc3200. *International Journal of Advanced Research Methodology in Engineering & Technology*, 1, p.3.
- 21. Aishwarya, K., **Vinitha, G.**, Varma, G.S., Asokan, S. and Manikandan, N., 2017. Synthesis and characterization of barium fluoride substituted zinc tellurite glasses. *Physica B: Condensed Matter*, *526*, pp.84-88.
- 22. Perumal, R.N., Subalakshmi, G. and **Vinitha, G.**, 2017. Synthesis, photoluminescence properties of Sr 1.95 Ba 0.05 CeO 4: Eu 3+ for LED applications. *Journal of Materials Science*, *52*(16), pp.9308-9313.
- 23. Vinitha, G., Ramachandran, M. and Rajamanickam, K., 2017. Analysis on nonlinear optical properties of Cd (Zn) Se quantum dots synthesized using three different stabilizing agents. *Optical Materials*, 72, pp.821-827.
- 24. Girisun, T.S., Saravanan, M. and **Vinitha, G.**, 2017. Role of reaction time in tuning the morphology and third order nonlinear optical properties of barium borate. *Optics & Laser Technology*, 89, pp.54-58.
- 25. Senthilkumar, K., Thirumoorthy, K., **Vinitha, G.**, Soni, K., Bhuvanesh, N.S. and Palanisami, N., 2017. Synthesis and characterization of d10 metal complexes of 3-Me-5-FcPz: Structural, theoretical and third order nonlinear optical properties. *Journal of Molecular Structure*, 1128, pp.36-43.
- 26. Vani, P., Manikandan, N. and **Vinitha, G.**, 2017. A Green Strategy to Synthesize Environment Friendly Metal Oxide Nanoparticles for Potential Applications: A Review. *Asian J Pharm Clin Res*, pp.337-43.
- 27. M Saravanan, TC Sabari Girisun, G Vinitha, S Venugopal Rao., 2016. Improved third-order optical nonlinearity and optical limiting behaviour of (nanospindle and nanosphere) zinc ferrite decorated reduced graphene oxide under continuous and ultrafast laser excitation. *Royal Society of Chemistry*, 94, pp.91083-91092.

- 28. A Vijayalakshmi, B Vidyavathy, G Vinitha., 2016. Structure and characterization for optical limiting applications of a new organic crystal–isonicotinamide bis-paminobenzoic acid. *Ukrainian journal of physical optics*, 17, pp.98-104.
- 29. T Thilak, MB Ahamed, G Marudhu, G Vinitha., 2016. Effect of KDP on the growth, thermal and optical properties of L-alanine single crystals. *Arabian Journal of Chemistry*, 9 (5), pp.676-680.
- 30. M Saravanan, TCS Girisun, G Vinitha., 2016. Third-order nonlinear optical properties and power limiting behavior of magnesium ferrite under CW laser (532 nm, 50 mW) excitation. *Journal of materials science*, 51 (6), pp.3289-3296.