G Kalpana, Anna University.

- 1. Reduced graphene oxide/strontium titanate heterostructured nanocomposite as sunlight driven photocatalyst for degradation of organic dye pollutants. A Rosy, G Kalpana. Current Applied Physics 18 (9), 1026-1033.
- 2. Influence of RGO/TiO2 nanocomposite on photo-degrading Rhodamine B and Rose Bengal dye pollutants. A Rosy, G Kalpana. Bulletin of Materials Science 41 (3), 83.
- 3. First principle calculations on structural, electronic, and magnetic properties of $CdMAs_2$ (M = Sc, Ti, V) chalcopyrites. D Vijayalakshmi, G Kalpana. Canadian Journal of Physics 95 (11), 1031-1036.
- 4. Electronic structure and magnetic properties of chalcopyrite type ZnMX₂ (M = Sc, V, Cr, Mn, Fe; X = P, As) compounds: An *ab initio* study. D Vijayalakshmi, G Kalpana. physica status solidi (b) 253 (8), 1576-1584.
- 5. Half-metallic ferromagnetism in chalcopyrite type compounds ZnMX₂ (M=Sc, V, Mn, Fe; X = P, As). D Vijayalakshmi, G Kalpana. AIP Conference Proceedings 1665 (1), 090030.
- 6. Electronic and magnetic properties of CdI2-type MX2 (M= V, Nb; X= Al, Ga and In) compounds. G Jaiganesh, G Kalpana. IOP Conference Series: Materials Science and Engineering 73 (1), 012135.
- 7. First-principles calculation of structural, electronic and magnetic properties of half-Heusler LiCaC and NaCaC compounds. R Umamaheswari, D Vijayalakshmi, G Kalpana. Physica B: Condensed Matter 448, 256-259.
- 8. Half-metallic ferromagnetism in full-Heusler compounds (A = K and Rb; X = N and O). R Umamaheswari, D Vijayalakshmi, M Yogeswari, G Kalpana. AIP Conference Proceedings 1591 (1), 1506-1507.
- 9. Ab-initio investigation of half-metallic ferromagnetism in half-Heusler compounds XYZ (X= Li, Na, K and Rb; Y= Mg, Ca, Sr and Ba; Z= B, Al and Ga). R Umamaheswari, M Yogeswari, G Kalpana. Journal of magnetism and magnetic materials 350, 167-173.