

PUBLICATIONS (International Journals)

1. Electrical and FTIR studies on Al substituted Mn–Zn mixed ferrites, *Journal of Materials Science: Materials in Electronics* 15 (1), 15-18
2. Structural and magnetic study on $Mg_{0.3}Zn_{0.7}Ni_xFe_{2-x}O_4$ ferrite system synthesized by sol-gel method, *Materials Today: Proceedings* 3 (6), 1569-1575
3. Structural and Magnetic study on Al substituted MgZn mixed ferrite powders prepared by Sol-Gel method, *Materials today: proceedings* 3 (6), 1363-1369
4. A novel light trapping scheme of microlenses focussed beam on Silicon solar cells, *Atti Della Fondazione Giorgio Ronchi Anno LXII N. 3*, 363
5. XRD Structural and magnetic study on $Mg_{0.3}Zn_{0.7}Ni_xFe_{2-x}O_4$ Ferrite system synthesised by sol gel method, *Journal of the Balkan Tribological association*, 22 (3-I), 2243-2251.
6. Structural and magnetic study on al substituted MgZn mixed ferrite powders prepared by sol-gel method, *Der Pharma Chemica* 7 (5), 11-20.
7. An overview of magnetism of spinel nanoferrite particles and A study of chromium substituted Zn-Mn ferrites nanostructures via sol-gel method, *International Conference on Nanoscience, Engineering and Technology (ICONSET 2019)*.
8. Progettazione ottica-A modern interconnect lens design using genetic algorithm for laser-fibre coupling applications. *Atti della Fondazione Giorgio Ronchi* 65 (2), 257
9. Power Coupling Efficiency Enhancement in Multimode Step-Index Fiber Using Refractive and Diffractive Microlenses. *International Journal of Optics* 2010.
10. A scheme to improve the coupling efficiency between laser diode and single mode fiber via hemispherically ended GIF microlens. *Atti Della Fondazione Giorgio Ronchi Fondata da Vasco Ronchi*, 447.
11. Variable field angle study on conic interconnect lens system for higher coupling efficiency, *Atti Della Fondazione Giorgio Ronchi Anno. LXII N. 5*, 693.
12. A novel study on coupling property of low aberration with high throughput microlens *Atti della Fondazione Giorgio Ronchi*, LXII 2007, N2.