



Dr. Sanjay Godara

Ph.D.

Department of Physics

Total teaching experience (in years) 04

Institute of doctoral degree- **Dept. of Physics & Astrophysics, University of Delhi, Delhi**

Research experience as Research Supervisor (in years) = Nil

Number of Research papers/Articles published - 09

Details of published article-

1. **Godara, S.**, Sinha, N., Ray, G., & Kumar, B. (2014). Combined structural, electrical, magnetic and optical characterization of bismuth ferrite nanoparticles synthesized by auto-combustion route. *Journal of Asian Ceramic Societies*, 2(4).
<https://doi.org/10.1016/j.jascer.2014.09.001>
2. **Godara, S.**, Sinha, N., & Kumar, B. (2014). Enhanced electric and magnetic properties in Ce–Cr co-doped bismuth ferrite nanostructure. *Materials Letters*, 136, 441–444.
<https://doi.org/10.1016/j.matlet.2014.08.104>
3. **Godara, S.**, & Kumar, B. (2015). Effect of Ba-Nb co-doping on the structural, dielectric, magnetic and ferroelectric properties of BiFeO₃ nanoparticles. *Ceramics International*, 41(5), 6912–6919. <https://doi.org/10.1016/j.ceramint.2015.01.145>
4. **Godara, S.**, Sinha, N., & Kumar, B. (2016). Study the influence of Nd and Co/Cr co-substitutions on structural, electrical and magnetic properties of BiFeO₃ nanoparticles. *Ceramics International*, 42(1), 1782–1790. <https://doi.org/10.1016/j.ceramint.2015.09.141>
5. Sinha, N., Ray, G., **Godara, S.**, Gupta, M. K., & Kumar, B. (2014). Enhanced piezoelectric output voltage and Ohmic behavior in Cr-doped ZnO nanorods. *Materials Research Bulletin*, 59, 267–271. <https://doi.org/10.1016/j.materresbull.2014.07.032>
6. Sinha, N., Ray, G., Bhandari, S., **Godara, S.**, & Kumar, B. (2014). Synthesis and enhanced properties of cerium doped ZnO nanorods. *Ceramics International*, 40(8 PART A).
<https://doi.org/10.1016/j.ceramint.2014.04.079>

7. Sinha, N., Bhandari, S., Yadav, H., Ray, G., **Godara, S.**, Tyagi, N., ... Kumar, B. (2015). Performance of crystal violet doped triglycine sulfate single crystals for optical and communication applications. *CrystEngComm*, 17(30), 5757–5767.
<https://doi.org/10.1039/C5CE00703H>
8. Sinha, N., Ray, G., **Godara, S.**, Yadav, H., Bhandari, S., & Kumar, B. (2015). Enhancement in semiconducting and optical properties in doped anthracene micro crystals. *Physica B: Condensed Matter*, 470–471, 15–20. <https://doi.org/10.1016/j.physb.2015.05.001>
9. Goel, S., Sinha, N., Yadav, H., **Godara, S.**, Joseph, A. J., & Kumar, B. (2017). Ferroelectric Gd-doped ZnO nanostructures: Enhanced dielectric, ferroelectric and piezoelectric properties. *Materials Chemistry and Physics*, 202, 56–64.
<https://doi.org/10.1016/j.matchemphys.2017.08.067>

No. of Books published- Nil

Details of published Books- NA

No. of book chapters/papers in proceedings- 02

Details of published article-

1. **Godara, S.**, Sinha, N. and Kumar, B. (2014) ‘Synthesis and characterization of multiferroic BFO nanoparticles by auto-combustion route with various complexing agents’, *International Journal of ChemTech Research*, 6(3).
2. Godara, S. (2021) ‘Study of Structural, Electrical and Magnetic properties of Nd-Ti co-doped BiFeO₃ Nanoparticles’, Springer **International Conference on Trends in Modern Physics (TiMP-2021)** Under Publication.

Conference attended- 1.International 07

2. National 04

Research projects handled- Completed- Nil

Ongoing- Nil

Member of BOS, Academic council- Yes/No - NO

Any other achievements-

1. Associate NCC Officer (Rank – Lieutenant, Commission – Dec. 2020)
2. Life Member, Indian Association of Physics Teachers.