**Curriculum Vitae**

**Dr. Shilpi Banerjee**

Assistant Professor

Dept. of Physics

G.B.M. College, Gaya

Magadh University, Bodh Gaya

Phone : 8637391841

E-mail : [shilpigbbanerjee@gmail.com](mailto:shilpigbbanerjee@gmail.com)

**Educational Qualification:** M.Sc, Ph.D, NET

* CSIR-UGC NET JRF in Physical Sciences.
* All India Rank 3 & 99.97 percentile score in GATE (Physics).

**Teaching Experience**: 4 years 10 months

* Attended 115TH Orientation Programme at UGC-HRDC, The University of

Burdwan, Burdwan (W. B.)

* Attended Refresher Course in Physics (Online Mode) at UGC-HRDC,

University of Lucknow, Lucknow (U. P.)

**LIST OF PUBLICATIONS:**

1. “Multiferroic behaviour of nanoporous BaTiO3” **Shilpi Banerjee**, Anindya Datta, Asim Bhaumik, Dipankar Chakravorty, J. Appl. Phys. 110, 064316 (2011).
2. “Multifunctional behaviour of mesoporous LiNbO3” **Shilpi Banerjee**, Manas Kumar Bhunia. Asim Bhaumik, Dipankar Chakravorty J. Appl. Phys. 111, 054310 (2012)
3. “Giant Magneto-dielectric effect in Nickel Zinc Ferrite Impregnated Mesoporous Silica” **Shilpi Banerjee**, Partha Hajra, Asim Bhaumik and Dipankar Chakravorty, Mater. Lett. 79, 65 (2012).
4. “Large Magnetodielectric Effect in Nickel Zinc Ferrite-Lithium Niobate Nanocomposite” **Shilpi Banerjee**, Partha Hajra, Asim Bhaumik, Sri Bandyopadhyay and Dipankar Chakravorty. Chem. Phys. Lett. 541, 96 (2012).
5. “Magnetodielectric effect of CuO grown within highly ordered two dimensional mesoporous silica template SBA 15” Amrita Mandal, **Shilpi Banerjee**, Sourish Banerjee, Dipankar Chakravorty, J. Appl. Phys. 112, 074310 (2012).
6. “Ferromagnetic-like behaviour in nanosilica glass containing ironions and giant magnetodielectric effect in composites of these glasses with mesoporous silica” Dhriti Ranjan Saha, **Shilpi Banerjee**, Arun Kumar Nandi, Dipankar Chakravorty J. Phys. Chem. C 116, 21679 (2012).
7. “Magneto-dielectric effect in Pb(Zr0.52Ti0.48)O3 filled nanoporous Ni0.5Zn0.5Fe2O4 composite” **Shilpi Banerjee**, Anindya Datta, Asim Bhaumik, Dipankar Chakravorty, Bull. Mater. Sci. 35, 919 (2012).
8. “Multifunctional Mesoporous Nanocomposites” **Shilpi Banerjee**, Dipankar Chakravorty, Mater. Sci. Forum 736, 98 (2013).
9. “Exchange bias effect in nickel zinc ferrite-mesoporous silica nanocomposites” **Shilpi Banerjee**, Partha Hajra, Mykanth Reddy Mada, Asim Bhaumik, Sri Bandyopadhyay and Dipankar Chakravorty. J. Magn. Magn. Mater. 332, 98 (2013).
10. “Sensing Behaviour of Some Nanocomposite Systems” Dipankar Chakravorty, Bhola Nath Pal, **Shilpi Banerjee**, Amrita Mandal, Sreemanta Mitra and Dhriti Ranjan Saha, Soft Nanoscience Letters 3, 12 (2013).
11. “Magnetodielectric effect in Ni0.5Zn0.5Fe2O4-BaTiO3 nanocomposites” **Shilpi Banerjee**, Partha Hajra, Anindya Datta, Asim Bhaumik, Mykanth Reddy Mada, Sri Bandyopadhyay and Dipankar Chakravorty, Bull. Mater. Sci. 37, 497 (2014).

**CONFERENCE PROCEDEEINGS**

1. “Synthesis and Optical Properties of Nickel Zinc Ferrite Nanoparticles Grown Within Mesoporous Silica Template” **Shilpi Banerjee**, Dipankar Chakravorty. 56th DAE-Solid State Physics Symposium 2011, SRM University, Tamilnadu, India. AIP Conf. Proc. 1447, 233 (2012).
2. “Creep behaviour in Ni0.5Zn0.5Fe2O4-BaTiO3 nanocomposites” **Shilpi Banerjee**, Partha Hajra, Mykanth Reddy Mada, Sri Bandyopadhyay, Dipankar Chakravorty. National Conference on Recent Development and Applications of Nanoscience andNanotechnology (Nano Tech 2012) Techno India, Kolkata, India. (ISBN:-978-81-924141-1-0).
3. “Nanoindentation Studies of Nickel Zinc Ferrite Embedded Mesoporous Silica Template” **S. Banerjee**, P. Hajra, M. R. Mada, S. Bandyopadhyay, D. Chakravorty. 57th DAE-Solid State Physics Symposium 2012, IIT Bombay, Mumbai, India. AIP Conf. Proc. 1512, 198 (2013).

**BOOK CHAPTER**

1. Book Chapter “Biological Implications of Metallic Nanoparticles” in the Book “Nanobiotechnology: Basic and Applied Aspects” **S. Banerjee**, D. R. Saha, D. Chakravorty. published by [*Anthem Press*](https://www.jstor.org/publisher/anthemp)*,*[*Union Bridge Books*](https://www.jstor.org/publisher/ubb)(2017) **ISBNS:**1783087374, 9781783087372, 9781783087389, 1783087390, 1783087382, 9781783087396