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EDUCATION:

1994 Ph. D.
Department of Metallurgical Engineering, I. I. T. –BHU, Varanasi.
1987 M. Tech
School of Materials Science & Technology, I. I. T. –BHU, Varanasi.
1984 M. Sc. (Physics)
DDU University of Gorakhpur, Utter Pradesh
1981 B. Sc. (Physics, Chemistry, Maths)
DDU University of Gorakhpur, Utter Pradesh

FOREIGN VISIT:

Oct., 2006 - July, 2008 Visited as **expatriate faculty** from to Department of Physics, Addis Ababa University, Addis Ababa, Ethiopia, N E Africa for teaching UG and PG students.

RESEARCH AND ACADEMIC EXPERIENCE:

September 2004- Continue **Reader and Associate Professor**
Department of Pure & Applied Physics
Guru Ghasidas University, Koni, Bilaspur – 495009,
September 1996-Aug 2004 **Lecturer**
Department of Pure & Applied Physics
Guru Ghasidas University, Koni, Bilaspur – 495009,
May 1996- Sept. 1996 **Research Associate (CSIR)**
Department of Pure & Applied Physics
Guru Ghasidas University, Koni, Bilaspur – 495009,
Feb. 1994 – April 1996 Research Associate (UGC project on Superconductivity)
Department of Physics, Barkatullah University, Bhopal

ADMINISTRATIVE EXPERIENCE: Worked as Executive Council member, Academic council member, Head of department, Hostel Warden, NSS Programme officer etc in GGU, Bilaspur.

AREA OF RESEARCH: Materials Science, Oxide based Electronic Ceramics, Multiferroics, Magnetic Nano-materials

Publications/Acheivements: #Total ~45 papers published in international and national journals.
#Approximately 10 conferences/seminars attended.
#Edited special issue of **PRAMANA**.

One student, Mr Manojit De submitted his Ph. D. thesis
in April, 2019

List of Publications (2014 – till date):

1. Structural Characterization of $\text{Bi}_{1-x}\text{A}_x\text{FeO}_3$ ($x= 0.00, 0.05$ and $\text{A}= \text{Sr}$) Nano-particles Synthesized Using Combustion Technique
H S Tewari, A Mishra, S Banerjee
Journal of Pure Applied and Industrial Physics Vol 4 (2), (2014), 57-98
ISSN :2229-7596/2319-7617
2. Studies on Synthesis and Dielectric Properties of Rare Earth Doped Pottasium Based Double Molybdates
H S Tewari and M Sahu,
Journal of Pure Applied and Industrial Physics Vol 4 (1), (2014), 1-7
ISSN :2229-7596/2319-7617
3. Studies on Electrical Behavior of Multiferroic Based Double Doped Bismuth Ferrite System.
H. S. Tewari, Aarti Mishra, and Manojit De.
Adv. Sci. Lett., Vol. 21, Number 9, (2015), 2807-2810.
DOI: [10.1166/asl.2015.6391](https://doi.org/10.1166/asl.2015.6391). **Impact factor: 0.42**
4. Synthesis and Characterization of Nickel Substituted Bismuth Ferrite Nano-particles
M De, R K Pal, **H S Tewari**
Journal of Pure Applied and Industrial Physics 5 (6), (2015), 159-164
ISSN :2229-7596/2319-7617
5. Characterization of Magnesium Substituted Nickel Ferrites Nano-Particles Synthesized Using Combustion Technique.
Manojit De, Ganesh Bera and **H. S. Tewari**.
International Journal of Mathematics and Physical Sciences Research, Vol. 3, Issue 1, (2015), 71-76.
Available at: www.researchpublish.com
6. Characterization of Cadmium substituted Nickel Ferrites nano-particles synthesized using combustion technique.
Manojit De, Aniruddha Mukherjee and **Hari S. Tewari**.
Processing and Application of Ceramics 9 [4], (2015), 193–197.
DOI: 10.2298/PAC1504193D; **I.F. = 1.152**
7. Synthesis and Structural Characterization of $\text{Ni}_{1-x}\text{Cd}_x\text{Fe}_2\text{O}_4$: Experiment and Theory
A Srivastava, **H S Tewari**, A Mukherjee
Quantum Matter 5 (3), (2016), 411-416

ISSN: 2164-7615 (print); EISSN: 2164-7623 (online)

8. Strain induced structural phase transition in NaNbO_3 doped BiFeO_3
Manojit De, Shiv P. Patel and **H. S. Tewari**
J Mater Sci: Mater Electron, 28, (2017), 6928–6935.
DOI: 10.1007/s10854-017-6393-9.; **I.F.:** 2.019
9. Synthesis and structural characterization of A-site doped NiFe_2O_4
Manojit De, Ananya Rout, and **H. S. Tewari**
AIP Conference Proceedings, 1837, (2017), 040042.
DOI: 10.1063/1.4982126
10. $\text{R}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ (R = Na and K): Synthesis, structural and polarization study
Rashmi Tiwari, Manojit De, and **H. S. Tewari**
AIP Conference Proceedings, 1837, (2017), 040046.
DOI: 10.1063/1.4982130
11. Structural Characterization of Magnesium Substituted Nickel Ferrites $\text{NiFe}_{(2-x)}\text{Mg}_x\text{O}_4$
Nano-particles Synthesized Using Combustion Technique.
Manojit De, Soumen Bera and **H. S. Tewari**.
Emerging Materials Research, Volume 6, Issue 2, (2017), 265-269.
DOI: 10.1680/jemmr.15.00070; **I.F.:** 0.23
12. A Comparative Study on Structural Characterization of Mg Substituted on A/B sites
in NiFe_2O_4 Nano-particles Using Auto-Combustion Method.
Manojit De and **H. S. Tewari**
Pramana – J. Phys. 89:3, (2017);
DOI: 10.1007/s12043-017-1394-z; **I.F. :** 0.699
13. Investigation on Synthesis, Structural and Electrical properties of Barium Stannate
Based Complex Perovskites $\text{Ba}_{1-x}\text{La}_x\text{Sn}_{1-x}\text{Co}_x\text{O}_3$
H. S. Tewari and Manojit De
J. Integrated Science & Technology, 5 (2), (2017), 43-46.
ISSN 2321 – 4635
14. Synthesis and structural characterization of NaNbO_3 doped BiFeO_3 multiferroics
Manojit De and **H. S. Tewari**
Ferroelectrics, 519:1, (2017), 43-48.
DOI: 10.1080/00150193.2017.1362284; **I.F.:** 0.52
15. Self-cleaning and spectral attributes of erbium doped sodium-zinc-tellurite glass: Role
of titania nanoparticles
N N Yusof, S K Ghoshal, R Arifin, A Awang, H S Tewari, K Hamzah
Journal of Non-Crystalline Solids, 481, (2018) 225-238; **I.F.:**2.488

16. Structural and electrical characteristics of Barium modified Bismuth-Sodium Titanate ($\text{Bi}_{0.49}\text{Na}_{0.49}\text{Ba}_{0.02}\text{TiO}_3$)
Sugato Hajra, Sushrisangita Sahoo, Manojit De, Pravat Kumar Rout, **H. S. Tewari**, R. N. P. Choudhary
J Mater Sci: Mater Electron, 29, (2018), 1463–1472.
DOI: 10.1007/s10854-017-8054-4; **I.F:** 2.019;
17. Structural, dielectric and electrical characteristics of $\text{BiFeO}_3\text{-NaNbO}_3$ solid solutions;
Manojit De, Sugato Hajra, Rashmi Tiwari, Sushrisangita Sahoo, R N P Choudhary,
H.S. Tewari;
Ceramics International, 44, 10, (2018), 11792-11797; **I.P. = 3.057**
18. Studies on composition dependent structural and magnetic characterization of nano-Crystalline cadmium doped nickel ferrite
Rashmi Tiwari, Manojit De, and **H. S. Tewari**
AIP Conference Proceedings 2115, 030102 (2019);
DOI: 10.1063/1.5112941
19. Studies on composition dependent structural and magnetic characterization of nano-crystalline cadmium doped nickel ferrite
Manojit De, Rashmi Tiwari and **H S Tewari**
AIP Conference Proceedings 2115 (030102), 030102-1-4
20. Structural, electrical and ferroelectric properties of lithium niobate-bismuth ferrite solid solutions
Manojit De, Sugato Hajra, Rashmi Tiwari, Sushrisangita Sahoo, R. N. P. Choudhary,
H. S. Tewari
Solid State Sciences; 93, (2019), 1-6; **I.F.:** 2.155
DOI: 10.1016/j.solidstatesciences.2019.04.009