PUBLICATIONS IN PEER REVIEWED JOURNALS

1. *"Mossbauer and magnetic studies of a multiferroic $Mg_{0.95}Mn_{0.05}Fe_{2-2x}Ti_{2x}O_4$ system"*,**Shalendra Kumar**, Alimuddin, Ravi Kumar, Anjana Dogra, V.R.Reddy and A. Banarjee, **J. Appl. Phys. 99**, (2006) 08M910.

2. *"Multiferroic behaviour of Ti doped $Mg_{0.95}Mn_{0.05}Fe_2O_4$"* **Shalendra Kumar**, Alimuddin, Ravi Kumar, Anjana Dogra, V.R.Reddy and **A.** Banarjee, **Ind. J. Pure & Appl. Phys. 45** (2007) 31-36.

3. *"Magnetic study of $Mg_{0.95}Mn_{0.05}Fe_2O_4$ ferrite nanoparticles"*, S. K. Sharma, Ravi Kumar, **Shalendra Kumar**, V.V. Siva Kumar, M. Knobel, V.R. Reddy, A. Banerjee, M. Singh, **Solid State Commun. 141** (2007) 203-208.

4. *"Temperature dependent Mössbauer and dielectric studies of $Mg_{0.95}Mn_{0.05}Fe_{1.0}Ti_{1.0}O_4$"*, **Shalendra Kumar**, Ravi Kumar, S. K. Sharma, V.R. Reddy, A. Banerjee, and Alimuddin, **Solid State Commun.** 142 (2007) 706-709.

5. *"Electrical transport, magnetic and electronic structure studies of $Mg_{0.95}Mn_{0.05}Fe_{2-2x}Ti_{2x}O_{4\pm\delta}$ $(0 \leq x \leq 0.5)$ ferrites"*. **Shalendra Kumar**, Alimuddin Ravi Kumar, P. Thakur K. H. Chae, Basavaraj Angadi, W.K. Choi, **J. of Phys: Cond. Matter.** 19 (2007) 476210.

6. *"Evolution of magnetic nano pillars using 200 MeV Ag^{15+} ions irradiation"* **Shalendra Kumar**, S. K. Sharma, Alimuddin, R. J. Choudhary, D. M. Phase and Ravi Kumar (In press **NIM-B**).

7. *"Electronic structure studies of $Mg_{0.95}Mn_{0.05}Fe_{2-2x}Ti_{2x}O_4$ $(0 \leq x \leq 0.8)$"* **Shalendra Kumar**, Ravi Kumar, P. Thakur, K. H. Chae, S. K. Sharma and Alimuddin, **J. Mag. Mag. Mat.** (In Press).

8. *"Influence of frequency, temperature and composition on electrical properties of polycrystalline $Co_{0.5}Cd_xFe_{2.5}$-xO_4 ferrites"* A. M. M. Farea, **Shalendra Kumar**, Khalid mujasam Batoo, Ali Yousef and Alimuddin, **Physica B** (In Press).

9. *"Structure and electrical properties of $Co_{0.5}Cd_xFe_{2.5-x}O_4$ ferrites" A. M. M. Farea, Shalendra Kumar*, Khalid Mujasam Batoo, Ali Yousef, Chan Gyu Lee and Alimuddin **J. of Alloy and Comp.** (In press)

10. "***Effect of 200 MeV Ag 15^{+}ion irradiation on structural and magnetic properties $Mg_{0.95}Mn_{0.05}Fe_2O_4$ ferrite thin film***" S. K. Sharma, **Shalendra Kumar**, Alimuddin, M. Singh, R. J. Choudhary, D. M. Phase, Ramesh Chandra and Ravi Kumar (**Submitted to Journal of Surface and Coatings Technology**)

11. ***A study of Impedance Spectra in Spinel System $Co_{0.5}Cd_xFe_{2.5-x}O_4$ Synthesized by Sol –Gel Method,*** A. M. M. Farea , **Shalendra Kumer** , Khalid Mujassam Batoo, Chan Gyu Lee and alimuddin, **(Communicated in Current Applied physics).**

12. ***Influence of the doping of Ti^{4+} ions on electrical and magnetic properties of $Mn_{1+x}Fe_{2-2x}Ti_xO_4$ ferrite,*** A. M. M. Farea, **Shalendra Kumar**[1], Khalid mujasam Batoo, Ali Yousef, Chan Gyu Lee, Alimuddin, (**Communicated in *Journal of Alloys and Compounds***).

13. ***Synthesis, impedance and dielectric properties of $Mn_{1+x}Fe_{2-2x}Ti_xO_4$ ferrite,*** A. M. M. Farea, **Shalendra Kumar**, Khalid mujasam Batoo, Ali Yousef, Chan Gyu Lee Alimuddin, **(Communicated in Materials Research Bulletin)**

14. ***"Structural and electrical properties of Mg_2TiO_4"*** **Shalendra Kumar,** Ravi Kumar, S. K. Sharma, Alimuddin **(Submitted to *Journal of Alloys and Compounds*)**

15. "***Study of Structure and Dielectric relaxor behavior of Bismuth-substituted Cobalt Manganite spinel***" Rajeevan N.E., Ravi Kumar, **Shalendra Kumar**, D. K. Shukla and P. P. Pradyumnan (**Submitted in Journal of Applied Physics**).

16. "***Magnetoelectric properties of $Bi_xCo_{2-x}MnO_4$ ($0 \leq x \leq 0.3$)***" N.E.Rajeevan, Ravi Kumar, D.K. Shukla, **Shalendra Kumar**, P.P.Pradyumnan, S. D. Kausik, S. Patnaik, S.K. Arora and I.V. Shvets (**Submitted to Applied Physics Letters**)

PAPERS PRESENTED IN INTERNATIONAL/NATIONAL CONFERENCES/WORKSHOPS/ SYMPOSIUM

1. "Structural and magnetic properties of Mg-Mn ferrite thin films" **Shalendra Kumar**, S. K. Sharma, Ravi Kumar, R. J. Choudhary, D. M. Phase, Alimuddin (Presented in DAE-SSPS-2007, University of Mysore, Mysore).

2. "Evolution of magnetic nano pillars using 200 MeV Ag^{15+} ions irradiation" **Shalendra Kumar**, S. K. Sharma, Alimuddin, R. J. Choudhary, D. M. Phase and Ravi Kumar (Presented in IBA-2007, University of Hyderabad, Hyderabad).

3. "Effect of Al doping on the electrical properties of $MnFe_{2-2x}Al_{2x}O_4$ ($0 \leq x \leq 0.5$)" Khalid Mujasam Batoo, **Shalendra Kumar**, A.M.M. Farea, Alimuddin, Presented in International conference on condensed matter Physics (ICCMP-2007) at University of Rajasthan Nov.25-28, 2007.

4. "Electronic Structure studies of $Mg_{0.95}Mn_{0.05}Fe_{2-2x}Ti_{2x}O_4$" **Shalendra Kumar,** Ravi Kumar, P. Thakur, K. H. Chae, S. K. Sharma and Alimuddin, (Presented in LAW3M-2007, Rio de Janerio, Brazil).

5. "Synthesis and investigations of Magnetic properties of 200 MeV Ag ion irradiated $Mg_{0.95}Mn_{0.05}Fe_2O_4$ ferrite thin film" **Shalendra Kumar**, S. K. Sharma, Alimuddin, M. Singh, R. J. Choudhary, D. M. Phase and Ravi Kumar (Presented in Advanced materials and technologies for nano and oxide electronics (AMTNOE-2007, at IIT Delhi).

6. "Electronic structure and transport properties of $Mg_{0.95}Mn_{0.05}Fe_{2-2x}Ti_{2x}O_4$" **Shalendra Kumar,** Ravi Kumar, P. Thakur, K. H. Chae, S. K. Sharma and Alimuddin (Presented in DAE-SSPS-2006, Baraktullah University, Bhopal).

7. "X-ray and Magnetization studies of 200 MeV Ag^{15+} ion irradiated $Mg_{0.95}Mn_{0.05}Fe_2O_4$ ferrite thin film prepared by PLD technique" S. K. Sharma, Ravi Kumar, **Shalendra Kumar,** R. J. Choudhary, D. M. Phase, V.V. Siva Kumar and M. Singh (Presented in DAE-SSPS-2006, Baraktullah University, Bhopal).

8. "Structural and dielectric properties of $MnFe_{2-2x}Al_{2x}O_4$ ($0 \leq x \leq 0.5$)" Khalid Mujasam Batoo, **Shalendra Kumar**, A. M. M. Farea, Ravi Kumar and Alimuddin, (Presented in DAE-SSPS-2006, Baraktullah University, Bhopal).

9. "Influence of the doping of Cd on dielectric properties of cobalt ferrite", A. M. M. Farea, **Shalendra Kumar**, Khalid Mujasam Batoo, Ravi Kumar and Alimuddin, (Presented in DAE-SSPS-2006, Baraktullah University, Bhopal).

10. "Synthesis and Characterization of $MnFe_2O_4$ ferrite nanoparticles" P. Singh, M. Singh, V. R. Reddy, Alok Benerjee, Ravi Kumar, S. K. Sharma and **Shalendra Kumar,** (Presented in DAE-SSPS-2006, Baraktullah University, Bhopal).

11. "X-ray absorption and transport properties of Ti substituted $Mg_{0.95}Mn_{0.05}Fe_2O_4$" **Shalendra Kumar,** Ravi Kumar, S. K. Sharma, P. Thakur, K. H. Chae and Alimuddin (Presented in workshop on "functional oxide materials" 25 -26 Sept-2006 at IUAC,New Delhi).

12. "Study of hyperfine field parameters in $Mg_{0.95}Mn_{0.05}Fe_{2-2x}Ti_{2x}O_4$" **Kumar S.,** Kumar R., Dogra A., Reddy V.R., Alimuddin, (Presented in MRSI-2006, Department of Physics, Lucknow University, Lucknow).

13. "Multiferroic behavior of Ti doped $Mg_{0.95}Mn_{0.05}Fe_2O_4$" **Shalendra Kumar**, Ravi Kumar, Anjana Dogra, A. Banarjee, Alimuddin, (Presented in CMMP-2006 at Department of Physics, M.S.Univ. Baroda).

14. "Study of ferroelectric and ferromagnetic properties of $Mg_{0.95}Mn_{0.05}Fe_{2-2x}Ti_{2x}O_4$"**Shalendra Kumar**, Ravi Kumar, Anjana Dogra, A. Banarjee, S. Ali, Alimuddin (Presented in DAE-SSPS-2005, at BARC Mumbai).