

## DR. MUKESH KUMAR VERMA

### PUBLICATIONS

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1. Suman Sharma, Narayan Dutt Sharma, Nisha Choudhary, **Mukesh Kumar Verma**, Devinder Singh\*, “Synthesis, structural and magnetic properties of  $\text{NiFe}_{2-x}\text{La}_x\text{O}_4$  ( $0 \leq x \leq 0.10$ ) nanoparticles”, *Journal of the Australian Ceramic Society*, 57 (2021) 809. (Impact Factor: 1.741)
2. **Mukesh Kumar Verma**, Devinder Singh\*, “Structural and magneto-transport properties of Li-doped  $\text{La}_{0.65}\text{Ca}_{0.35-x}\text{Li}_x\text{MnO}_3$  ( $x = 0.20, 0.25$ ) manganites synthesized by Pechini method”, *Journal of Materials Science: Materials in Electronics*, 32 (2021) 9872. (Impact Factor: 2.779)
3. Suman Sharma, **Mukesh Kumar Verma**, Narayan Dutt Sharma, Nisha Choudhary, Sumit Singh, Devinder Singh\*, “Rare-earth doped Ni–Co ferrites synthesized by Pechini method: Cation distribution and high temperature magnetic studies”, *Ceramics International*, 47 (2021) 17510. (Impact Factor: 4.527)
4. **Mukesh Kumar Verma**, Devinder Singh\*, “Influence of Mn substitution on crystal structure and magnetic properties of  $\text{Y}_2\text{Zr}_{1-x}\text{Ti}_{1-x}\text{Mn}_{2x}\text{O}_7$  ( $x = 0, 0.05, 0.10$ ) family of pyrochlore oxides”, *Journal of the Australian Ceramic Society*, 57 (2021) 339. (Impact Factor: 1.741)
5. **Mukesh Kumar Verma**, Suman Sharma, Nisha Choudhary, Narayan Dutt Sharma, Devinder Singh\*, “Evolution of crystal structure and magnetic properties of  $\text{Y}_2\text{Zr}_{2-x}\text{Mn}_x\text{O}_7$  ( $x = 0, 0.1, 0.2$ ) family of pyrochlore oxides”, *Journal of Superconductivity and Novel Magnetism*, 34 (2021) 435. (Impact Factor: 1.675)
6. **Mukesh Kumar Verma**, Narayan Dutt Sharma, Suman Sharma, Nisha Choudhary, Devinder Singh\*, “High magnetoresistance in  $\text{La}_{0.5}\text{Nd}_{0.15}\text{Ca}_{0.25}\text{A}_{0.1}\text{MnO}_3$  ( $\text{A} = \text{Ca, Li, Na, K}$ ) CMR manganites: Correlation between their magnetic and electrical properties”, *Materials Research Bulletin*, 125 (2020) 110813. (Impact Factor: 5.6)
7. Nisha Choudhary, **Mukesh Kumar Verma**, Narayan Dutt Sharma, Suman Sharma, and Devinder Singh\*, “Correlation between magnetic and transport properties of rare earth doped perovskite manganites  $\text{La}_{0.6}\text{R}_{0.1}\text{Ca}_{0.3}\text{MnO}_3$  ( $\text{R} = \text{La, Nd, Sm, Gd, and Dy}$ ) synthesized by Pechini process”, *Materials Chemistry and Physics*, 242 (2020) 122482. (Impact Factor: 4.778)
8. **Mukesh Kumar Verma**, Narayan Dutt Sharma, Suman Sharma, Nisha Choudhary, Devinder Singh\*, “Structural and magneto-transport properties of Li-substituted  $\text{La}_{0.65}\text{Ca}_{0.35-x}\text{Li}_x\text{MnO}_3$  ( $0 \leq x \leq 0.15$ ) CMR manganites”, *Journal of Alloys and Compounds*, 814 (2020) 152279. (Impact Factor: 6.371)
9. **Mukesh Kumar Verma**, Narayan Dutt Sharma, Nisha Choudhary, Suman Sharma, Devinder Singh\*, “Comparative study of  $\text{La}_{0.6}\text{R}_{0.1}\text{Ca}_{0.3}\text{Mn}_{0.9}\text{Cr}_{0.1}\text{O}_3$  ( $\text{R} = \text{La, Eu and Ho}$ ) nanoparticles: Effect of A-cation size and sintering temperature”, *Journal of Materials Science: Materials in Electronics*, 30 (2019) 12328. (Impact Factor: 2.779)
10. Narayan Dutt Sharma, Suman Sharma, Nisha Choudhary, **Mukesh Kumar Verma**, Devinder Singh\*, “Comparative study of  $\text{La}_{0.5}\text{Nd}_{0.2}\text{Ca}_{0.3-x}\text{K}_x\text{MnO}_3$  ( $x = 0.0$  and  $0.05$ ) nanoparticles: Effect of A-cation

size and calcination temperature”, *Ceramics International*, 45 (2019) 13637. (Impact Factor: 5.532)

11. Narayan Dutt Sharma, **Mukesh Kumar Verma**, Nisha Choudhary, Suman Sharma, Devinder Singh\*, “Enhanced coercivity of  $\text{NiFe}_{1-x}\text{Dy}_x\text{CrO}_4$  ferrites synthesised by glycine-nitrate combustion method”, *Materials Science and Technology*, 35 (2019) 448. (Impact Factor: 1.96)
12. Narayan Dutt Sharma, Arun Mahajan, **Mukesh Kumar Verma**, Nisha Choudhary, Suman Sharma, Devinder Singh\*, “Influence of alkali substitution in  $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{0.8}\text{Cr}_{0.2}\text{O}_3$  perovskite manganite on structural, magnetic and transport properties”, *IONICS*, 25 (2019) 1271. (Impact Factor: 2.961)
13. Narayan Dutt Sharma, Arun Mahajan, Nisha Choudhary, **Mukesh Kumar Verma**, Suman Sharma, Devinder Singh\*, “Effect of A-site disorder of heavier rare earth ion on structural, magnetic and transport properties of lanthanum based chromium manganite perovskite system”, *Journal of Materials Science: Materials in Electronics*, 30 (2019) 98. (Impact Factor: 2.779)
14. Nisha Choudhary, Narayan Dutt Sharma, **Mukesh Kumar Verma**, Suman Sharma, Devinder Singh\*, “Nanocrystalline Nickel-Substituted Lanthanum Cobaltites Synthesized by Urea Combustion Method: Magnetic and Transport Properties” *Journal of Superconductivity and Novel Magnetism*, 31 (2018) 4003. (Impact Factor: 1.675)
15. Nisha Choudhary, **Mukesh Kumar Verma**, Narayan Dutt Sharma, Suman Sharma, Devinder Singh\*, “Superparamagnetic nanosized perovskite oxide  $\text{La}_{0.5}\text{Sr}_{0.5}\text{Ti}_{0.5}\text{Fe}_{0.5}\text{O}_3$  synthesized by modified polymeric precursor method: effect of calcination temperature on structural and magnetic properties”, *Journal of Sol-Gel Science and Technology*, 86 (2018) 73. (Impact Factor: 2.606)
16. Nisha Choudhary, Suman Sharma, **Mukesh Kumar Verma**, Narayan Dutt Sharma, Devinder Singh\*, “Comparative Study of Nano- and Bulk  $\text{La}_{0.5}\text{Sr}_{0.5}\text{Ti}_{0.5}\text{Co}_{0.5}\text{O}_3$  Perovskite: Structural, Magnetic, and Transport Properties” *Journal of Superconductivity and Novel Magnetism*, 31(2018) 3269. (Impact Factor: 1.506)
17. Suman Sharma, Narayan Dutt Sharma, Nisha Choudhary, **Mukesh Kumar Verma**, Devinder Singh\*, “Chromium incorporated nanocrystalline cobalt ferrite synthesized by combustion method: Effect of fuel and temperature”, *Ceramics International*, 43 (2017) 13401. (Impact Factor: 5.532)
18. Suman Sharma, Nisha Choudhary, **Mukesh Kumar Verma**, Narayan Dutt Sharma, Devinder Singh\*, “Cation distribution and magnetic properties of nano and bulk  $\text{CoCrFeO}_4$  ferrite synthesized by glycine-nitrate combustion method”, *Ceramics International*, 43 (2017) 11083. (Impact Factor: 5.532)
19. Surby Gupta, **Mukesh Kumar Verma**, Narayan Dutt Sharma, Devinder Singh\*, “Synthesis and characterization of mixed valent Fe containing  $\text{K}_2\text{NiF}_4$ - type phases”, *Polyhedron*, 122 (2017) 79. (Impact Factor: 3.052)
20. Surby Gupta, **Mukesh Kumar Verma**, Devinder Singh\*, “Effect of A cation size on structural, magnetic and electrical properties of  $\text{K}_2\text{NiF}_4$ -type oxide  $\text{LaSrFeO}_4$ ”, *Ceramics International*, 42 (2016) 18418. (Impact Factor: 5.532)