Bio Data

PERSONAL PROFILE

Name	**: Dr. Dinesh Choudhary**
Date of Birth	: 17- Dec-1983
Address	: Patel Nagar Gali No.2 Sanawad Road Khargone
Email Address	: dchoudhary17@gmail.com
Mobile Number	**: 09826984759, 09977817743**
Hobbies	: Computer
Languages Known	: English, Hindi

TEACHING EXPERIENCE

1. Currently working at Govt.P.G.College Khargone as an Assistant Professor of Physics.
   Subject Taught: Mathematical Physics, Electrodynamics, Numerical techniques using C++, Solid state physics and Electronics.
2. Worked as an **Assistant Professor** at Malwa Institute of Science & Technology, Indore from 8 Sep 2010 to 11 April 2012.
   Subject Taught: Engineering Physics, Nano Electronics (EC VIII Sem Subject)
3. Worked as an **Assistant Professor,** at Venkateshwar Institute of Technology Indore from 21 May 2009 to 7 Sep 2010.
4. Worked as an **Assistant Professor,** Department of Physics, Shri Vaishnav Institute of Technology and Science, Baroli, Indore from 16 Sep 2008 to 16 Mar 2009.
5. Worked as an **Assistant Professor** at Central India Institute of Technology Indore from September -2007 to September-2008.

ACADEMIC PROFILE

Education	Institute/School	University/ Board	From/To	Percentage
Ph.D.(Physics)	School of Physics, DAVV Indore M.P.	DAVV- Indore	2015	80.9%
M.Phil. (Physics)	School of Physics, DAVV Indore M.P.	DAVV- Indore	2006-2007	69.9%
M.Sc. (Physics)	School of Physics, DAVV Indore M.P.	DAVV- Indore	2004-2006	73.2%
B.Sc.(Comp.Sc, Phy, Maths)	M. B. Khalsa College Indore M.P.	DAVV- Indore	2001 – 2004	68.66%
Higher Secondary (XII)	Govt. Higher Secondary School. Raibidpura Khargone M.P.	M.P. Board-Bhopal	1999 – 2000	66.22%
High School (X)	Govt. Higher Secondary School. Raibidpura Khargone M.P.	M.P. Board-Bhopal	1998 – 1999	67.80%

ACADEMIC PROJECTS AND AWARD

- I have done my **M.Phill.** Project entitled "Magnetic and Magneto Resistance properties of $La_{0.67}Ca_{0.33}Mn_{1-x}Fe_xO_3$ " at UGC_CSR Indore under the supervision of Dr. V. R. Reddy, Mossbauer Lab.
- I have done my **M.Sc.** Project entitled "Investigation of Unoccupied states of Ni_2MnGa using Inverse Photo Electron Spectroscopy" at UGC_CSR Indore under the supervision of Dr. S. R. Barman, Surface Physics Lab.
- I have done my **summer project** entitled "magnetic measurement and analysis of combined function steering magnet for Indus-2" under the guidance of Mr. Kailash Ruwali, SOE, Magnet Development Section CAT Indore.
- **Gold medal in B.Sc. (Computer Science) for top in overall Devi Ahilya Vishvidyalaya in Mathematics in year 2004.**

LIST OF PUBLICATIONS

1. Study of heat capacity of $La_{1-x}Ca_xMnO_3$ (x = 0, 0.33) Manganites: Role of Lattice and Electron Contribution **Dinesh Choudhary**, Mohammed Wasim Shaikh, Sonu Sen and Irfan Mansuri **2020** NATIONAL CONFERENCE ON PHYSICS AND CHEMISTRY OF MATERIALS: NCPCM 2020
2. Influence of Ce doping on structural, magnetic and transport properties of $CaMnO_3$ perovskite
   Irfan Mansuri, **Dinesh Choudhary**, Sonu Sen and Mohammed Wasim Shaikh
   2019, PROF. DINESH VARSHNEY MEMORIAL NATIONAL CONFERENCE ON PHYSICS AND CHEMISTRY OF MATERIALS: NCPCM 2018 2100 Pp.020115 Doi: https://doi.org/10.1063/1.5098669
3. Thermal conductivity of ferromagnetic metallic $La_{0.95}Ag_{0.05}MnO_3$ manganites: role of carrier, spin waves and lattice–impurity scattering
   Dinesh Varshney, **Dinesh Choudhary,** Meenu Varshney and Namita Singh
   2015, Molecular Simulation 42(2) 1-12 Doi: https://doi.org/10.1080/08927022.2015.1012643
4. Electrical transport in ferromagnetic state of Silver substituted manganites La_{1-x} Ag_xMnO_3 (x = 0.05, 0.1)
   Dinesh Varshney**, Dinesh Choudhary** and E Khan
   2015, Journal of Materials research [Cambridge University Press], 30(05) Pp.654-665
   Doi: 10.1557/jmr.2014.400
5. Role of phonon drag and carrier diffusion in thermoelectric power of polycrystalline $La_{0.97}Na_{0.03}MnO_3$ Manganites
   Dinesh Varshney and **Dinesh Choudhary**
   2014, Journal of Advanced Ceramics [Elsevier - USA], 3(3) Pp.224-229
   Doi: 10.1007/s40145-014-0113-1
6. Study of elastic moduli and thermal properties of $RMnO_3$ (R= La, Nd) compounds
   Dinesh Varshney and **Dinesh Choudhary**
   2014, Int. Journal of Comp. Materials Science and Engineering [World Scientific-Singapore], 03(03) 14500158 Doi:https://doi.org/10.1142/S2047684114500158
7. Interpretation of temperature dependent Thermoelectric power of resistivity of $La_{0.67}$ $Ba_{0.33}MnO_3$
   Dinesh Varshney**, Dinesh Choudhary** and E Khan
   2014, Molecular Physics [Elsevier - USA], 112(24) Pp.3183-3188
   Doi: 10.1080/00268976.2014.936920
8. Metallic and semiconducting resistivity behavior of $La_{1-x}K_xMnO_3$ manganites
   Dinesh Choudhary, E Khan and Dinesh Varshney
   2014 Proceeding of 58th DAE Solid State Physics Symposium, AIP Conf. Proc. 1591, Pp. 1281 Doi: 10.1063/1.4872930
9. Electrical Transport in the Ferromagnetic and Paramagnetic state of Potassium substituted manganites La_{1-x} K_xMnO_3 (x = 0.05, 0.1 and 0.15).
   Dinesh Varshney**, Dinesh Choudhary** and E Khan
   2013, Journal of Materials Science [Springer-USA], 48 5904 - 5916
   Doi: 10.1007/s10853-013-7386-6
10. Explanation of thermoelectric power of $La_{0.67}Ba_{0.33}MnO_3$ manganites: Phonon-scattering mechanism
    Dinesh Varshney, **Dinesh Choudhary**, M W Shaikh and I Mansuri
    2012 Proceeding of 56th DAE Solid State Physics Symposium, AIP Conf. Proc. 1447, Pp. 957
11. Interpretation of metallic and semiconducting temperature dependent resistivity of La_{1-x} Na_xMnO_3 (x = 0.07, 0.13) manganites.
    Dinesh Varshney**, Dinesh Choudhary** and M W Shaikh
    2010, Computational Materials Science [Elsevier - U.S.A], 47, Pp. 839 - 847
12. Electrical resistivity behaviour of Sodium substituted manganites: Electron-phonon, Electron-electron and Electron-magnon interactions.
    Dinesh Varshney**, Dinesh Choudhary,** M W Shaikh and E Khan
    2010, European Physics Journal B [Springer-USA], 76 Pp. 327 - 338
13. Interpretation of resistivity and thermoelectric power of $La_{0.94}Na_{0.06}MnO_3$: Polaron mechanism
    Dinesh Varshney, **Dinesh Choudhary**, M W Shaikh, I Mansuri and E Khan
    2009, Sol. State. Phys., Proc. of the 54th DAE Solid State Physics Symp. India., Ed. A. K. Rajaranjan, A. B. Garg, and G. P. Kothiyal, Krystal Print Products, India. Pp. 847
14. Structure and electrical resistivity behaviour of $La_{0.9}K_{0.1}MnO_3$ perovskite
    Dinesh Varshney, M W Shaikh, N Dodiya, I Mansuri and **Dinesh Choudhary**
    2009, Sol. State. Phys., Proc. of the 54th DAE Solid State Physics Symp. India., Ed. A. K.

Rajaranjan, A. B. Garg, and G. P. Kothiyal, Krystal Print Products, India. Pp. 965

15. Explanation of temperature dependent resistivity of sodium doped manganites: $La_{1-x}Na_xMnO_3$. Dinesh Varshney, **Dinesh Choudhary**, I Mansuri and R K Singh
2008, Sol. State. Phys., Proc. of the 53rd DAE Solid State Physics Symp. India., Ed. M. Sunder, A. K. Rajaranjan and G. P. Kothiyal, Prime Time Education, India. Pp. 849.

Recent Conferences and Seminars

1. NATIONAL CONFERENCE ON PHYSICS AND CHEMISTRY OF MATERIALS: NCPCM 2020 honoured as a **Session Judge** in the conference
2. **Participated** in the National Conference on Physics and Chemistry of Materials (NCPCM2020) during 14th- 16th December, 2020 and presented a paper entitled Study of heat capacity of $La_{1-x}Ca_xMnO_3$ (x = 0, 0.33) Manganites: Role of Lattice and Electron Contribution
3. **Organized** Two day national level webinar on "Material Characterization techniques in Physical and Chemical Sciences" by Dept. of Physics Govt. P. G. College Khargone during 27-28 May 2020.
4. **Organized** One Day National Webinar on "Intellectual Property Rights" by Dept. of Physics Govt. P. G. College Khargone on 03 Sep. 2020.
5. **Participated** National Workshop on Intellectual Property Rights during 12-13 March 2020 at Govt. Holkar Science College, Indore.
6. Successfully **completed** a 4 week Orientation Programme from 26 June-24 July 2021 organized by Teaching Learning Center, Ramanujan College University of Delhi.
7. Participated Physics Online Lecture Series organized by Indian Association of Physics Teachers held from 15 May 2020- 20 May 2020.
8. Swayam Online **Faculty Development Programme** on OER for Empowering Teachers in the year 2019.
9. Swayam Online **Faculty Development Programme** on Redefining Laboratory Instruction Using Virtual Laboratory in the year 2019.