BIO - DATA

1. **Name :** **Dr. MOHAN LAL VERMA**
2. **Fathers Name :** Shri J. R. Verma
3. **Post :** Professor of Physics
4. **Name of the Institution:** Govt. D. B. Girls' P.G. College, Raipur, C.G.
5. **Date of Birth :** 01/10/1967
6. **Address :** B-28,Century Colony, Near Pt. DDU Nagar Chhattisgarh, India
   - **Phone No. :** 91-771-2229248(O), **Mobile:** 09407625835
   - **E-mail :** mohanverma67@gmail.com
7. **Educational Qualification:**
   - Ph.D (physics/Solid State Ionics/Material Science) 2003, Pt. Ravishankar Shukla University, Chhattisgarh.
     Thesis Title: Transport Property and Battery Discharge Characteristics Studies on some Fast Ag^{+}ion Conducting Glasses.
   - M.Sc. in Physics (Specialization - Electronics)- 1989, First Division with 3rd position in merit list, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh.
   - B.Sc. (Physics, Mathematics and Chemistry), 1987, First Division with 8th position in merit list, Pt.Ravishnkar Shukla University, Raipur, Chhattisgarh.
   - H.S.S.C. (Physics, Mathematics and Chemistry), 1984, First Division, Board of Secondary Education M.P. Bhopal, M.P.India.
8. **Award received:** Recipient of National Scholarship from July 1987 to April 1989.
9. **Research Paper Published:** 13
10. **Conference /Workshop attended:** 14
11. **Orientation/Refresher Courses Attended:** 4

List of Publication

1. "Glass former – compositional dependent conductivity studies on a new Ag^+ ion conducting glass system: 0.7[0.75AgI: 0.25AgCl]: 0.3[Ag_2O: {xB_2O_3: (1-x)MoO_3]", R. C. Agrawal, R. Kumar & **M.L. Verma,** in: Solid State Ionics – Science & Technology (eds.) B. V. R. Chowadari, K. Lal, S. A. Agnohotri, N. Khare, S. S Sekhon, P. C. Shrivastava and S. Chandra (World Scientific, Singapore, 1989) p.257.
2. "Estimation of mobile ion concentration in some silver ion conducting solid electrolyte systems by dc polarization/ depolarization studies", R. C. Agrawal, Mohan L. Verma, R. K. Gupta, R. Kumar, **M.L. Verma** & S.K. Pandey, in: Solid State Ionics – Science & Technology (eds.) B. V. R. Chowadari, K. Lal, S. A. Agnohotri, N. Khare, S. S Sekhon, P. C. Shrivastava and S. Chandra (World Scientific, Singapore, 1989) p.127."
3. "Studies on polarization /self-depolarization on Ag^+ ion conducting borate glass system: 0.7[0.75AgI: 0.25AgCl]: 0.3[Ag_2O: {0.7B_2O_3: 0.3MoO_3]", R. C. Agrawal, Kumar, **M.L. Verma**, & P. Dasgupta, Indian Journal of Pure and Applied Physics, India**37**(1999) p.338.
4. "Solid State battery discharge characteristic studies on a new Ag^+ ion conducting glass system: 0.7[0.75AgI: 0.25AgCl]: 0.3[Ag_2O: {0.7B_2O_3: 0.3MoO_3]", R. C. Agrawal, . Kumar, **M.L. Verma**, R. K. Gupta & R. Kumar, in: Ion Conducting Materials:Theory and Application eds.) A. R. Kulkarni and P. Gopalan (Narosa Pub. House, New Delhi, 2001) India, p.176.
5. "Ion transport and battery discharge characteristic studies on a new Ag^+ ion conducting superionic glass system: x[0.75AgI: 0.25AgCl]: (1-x)[Ag_2O: MoO_3]", R. C. Agrawal, **M.L. Verma**, R.K. Gupta, R. Kumar & R.M. Chandola, Ionics, Germany , **8** (2002) p. 426 – 432.
6. "Solid state battery discharge characteristic studies on some new Ag^+ ion conducting superionic glasses" R. C. Agrawal, **M.L. Verma,** R. Kumar & C. K. Sinha, in "Solid State Ionics – Trends in the new millennium" (eds.) B. V. R. Chowdari, S.R.S. Prabaharan, M. Yahaya and I.A. Talib (World Scientific, Singapore, 2002) p. 171.

7. "Polarization/ Self – depolarization studies on some fast Ag^+ ion conducting glasses" R. C. Agrawal, **M.L. Verma** & A. Bhatt, in "Solid State Ionics – Trends in the new millennium" (eds.) B. V. R. Chowdari, S.R.S. Prabaharan, M. Yahaya and I.A. Talib (World Scientific, Singapore, 2002) p. 735.
8. "Studies on a new silver molybdate glass system: x[0.75AgI: 0.25AgCl]: (1-x)[Ag_2O: MoO_3]", R. C. Agrawal, **M.L. Verma**, R.K. Gupta & A. Bhatt, (Proceedings of 5th NCSSI during 15-17 feb. 2002, Nagpur, India p.58.
9. "Transport property and mixed former effect studies on a new fast Ag^+ ion conducting superionic glass system:, R. C. Agrawal, **M.L. Verma**, R.K. Gupta & R. Kumar, Journal of Physics D: Applied Physics, UK , **35**(2002) p. 810-815.
10. "Investigation on silver tungstate glass: x[0.75AgI: 0.25AgCl]: (1-x)[Ag_2O: WO_3] – A new Ag^+ ion conducting solid electrolyte system", R. C. Agrawal, **M.L. Verma**, A. Bhatt & R. Kumar, Proceedings of Seventh International Symposium on Advances in Electrochemical Science and Technology (ISAEST – VII), Chennai India, (2002) p. D170-173.
11. "Electrical and electrochemical properties of a new silver tungstate glass system: x[0.75AgI: 0.25AgCl]: (1-x)[Ag_2O: WO_3]", R. C. Agrawal, **M.L. Verma** & R.K. Gupta. in Solid State Ionics, Netherland, **171** (2004) p. 199 – 205.
12. "Electrical properties of a new Ag^+ ion conducting glass system: x[0.75AgI: 0.25AgCl]: (1-x)[Ag_2O: P_2O_5]", R. C. Agrawal, R.K. Gupta, A. Bhatt, **M.L. Verma**, & A. Chandra, Ionics (Germany), 10 (2004) p. 126.
13. "Transport Property studies on a new silver ternary glassy electrolyte system: x[0.75AgI:0.25Agcl] : (1 – x)[Ag_2O :V_2O_5]", R.C. Agrawal, Alok Bhatt, Angesh Chandra, Puja Diwan and **M.L.Verma**, in Inoics J. Phy.79(7)(2005) p. 737 – 740.

List of conference and workshop attended

1. 3rd National conference on Solis State Ionics, March 23-26, 1998, held at North Eastern Regional Institute of Science & Technology (NERIST) Itanagar, Arunanchal Pradesh, India.
2. 6th Asian conference on Solid State Ionics, November 29 - December 2 1998, New Delhi, India.
3. 4th National conference on Solid State Ionics, March 4 -6 , 200. held at Indian Institute Of Technology (IIT), Bombay, India.
4. IUCAA workshop on "Structure and Dynamics of Galaxies", 27-30 September 2001, held at Pt. Ravishankar Shukla University, Raipur,(C.G.), India.
5. 5th National conference on Solid State Ionics, 15 – 17 February 2002, held at Nagpur University, Nagpur, India.
6. Seventh International Symposium on Advances in Electrochemical Science and Technology (ISAEST – VII), 27 – 29 November 2002, Chennai, India.
7. Workshop on experimental physics for college teachers in Department of Physics, C.M.D. college Bilaspur, C.G.
8. Sixth National conference on Solid State Ionics, 5 – 7 October, 2004, held at Jadhavpur University, Kolkata, India.
9. National Conference Techno vision - 2007 26 – 27 October, 2007, held at Shri Shankaracharya College of Engineering & Technology, Bhilai, Chhattisgarh, India.
10. International Workshop on Advanced Material Science and Astrophusics, 19 – 21 February 2012, held at Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, India.

11 National Conference on Novel Material and their applications, 16 - 17 October 2012, held at Department of physics, Arts and Commerce College, Devendranagar, Raipur, Chhattisgarh, India.

12 International Workshop on Material Modeling and Simulation , 24 - 27 June 2013, held at Department of Applied Physics, Shrishankaracharya Group of Institutions Bhilai, Raipur, Chhattisgarh, India.

13 National Seminar on Recent Trends in Material Science 6th August 2015, held at Department of physics, Dr. Radhabai Govt. Naveen Kanya Mahavidyalaya, Raipur, Chhattisgarh, India.