

## Annexure-B

### Chapters in Books

1. R. C. Agrawal, **Mohan L. Verma** and R. K. Gupta *Thermoelectric power and battery discharge characteristic studies of a new silver ion conducting composite electrolyte (1-x) [0.75AgI:0.25AgCl]:xZrO<sub>2</sub>*, Fast Ion Conductors (ed) A.R. Kulkarni, Narosa Publications New Delhi 220 2001. [ISBN No. 8173194017, 9788173194016]
2. R. C. Agrawal, **Mohan L. Verma**, R. K. Gupta and S. Thaker. *Thermoelectric power and battery discharge characteristic studies of a new silver ion conducting composite electrolyte*, Solid State Ionics - Science and Technology (eds) B. V. R. Chowdary et al. World Scientific, Singapore 465 1998. [book chapter ISBN No : 9810237634, 9789810237639 ]
3. R C. Agrawal, **Mohan L. Verma**, R. K. Gupta, R. Kumar, M. L. Verma and S. K. Pandey. *Estimation of mobile ion concentration in some silver ion conducting solid electrolyte systems by dc polarization/depolarization studies.*"Solid State Ionics - Science and Technology (eds) B. V. R. Chowdary et al. World Scientific, Singapore 127 1998. [book chapter ISBN No : 9810237634, 9789810237639]
4. **Mohan L. Verma** and B.Keshav Rao “*Modeling of Space Charge Density in Some Nanocomposite Solid Electrolyte*” in Solid State Ionics : New materials for pollution free energy devices eds B.V.R.Chowdary et al. World Scientific, Singapore 531-536 2008.
5. **Mohan L. Verma**, B. Keshav Rao, Homendra Sahu and Nirbhay K. Singh “*Modeling and Determination of Space Charge Dielectric Constant of Nanocomposite Electrolyte 0.9[0.75 AgI : 0.25 AgCl]:SiO<sub>2</sub>*”, Solid State Ionics : New materials for pollution free energy devices eds B.V.R.Chowdary et al. World Scientific, Singapore 525-530 2008.
6. **Mohan L. Verma**, B. Keshav Rao, Arti Verma and Mimi Mukherjee “*Structural Characterization of Ionic Materials Applying Digital Image Processing of SEM/TEM Image : A novel Approach*”, Solid State Ionics : New materials for pollution free energy devices eds B.V.R.Chowdary et al. World Scientific, Singapore 417-421 2008.
7. **Mohan L.Verma**, Nirbhay K. Singh and Homendra Sahu, *Supercapacitors for hybrid*

*electric vehicles: A survey and modeling of new control structure* in *New materials for pollution free energy devices* eds B. V. R. Chowdari et al. 831-836 2008.

8. **Mohan L. Verma** & B.Keshav Rao *Modeling of space charge ionic conduction in 2 phase nano composite electrolytes*, in *Solid State Ionics : Fundamental Researches and Technological Applications*, eds B.V.R.Chowdari et al. World Scientific, Singapore 423-430, 2010.
9. **Mohan L. Verma**, B. Keshav Rao and Homendra Sahu “*Seeking the possibility of quantum transport in ionic/superionic solids*”, *Solid State Ionics : Fundamental Researches and Technological Applications*, eds B.V.R.Chowdari et al. World Scientific, Singapore 431-438 2010.
10. **Mohan L. Verma**, Homendra Sahu & Arti Verma “*Studies on correlation between dielectric properties and ionic conductivity of Fe<sub>2</sub>O<sub>3</sub> dispersed PEO based nanocomposite electrolyte*”, *Solid State Ionics : Fundamental Researches and Technological Applications*, eds B.V.R.Chowdari et al. World Scientific, Singapore 2010.
11. **Mohan L. Verma**, Nirbhay K. Singh “*Novel model of hybrid electric vehicle based on solar energy induced ultrabattery*”, *Solid State Ionics : Fundamental Researches and Technological Applications*, eds B.V.R.Chowdari et al. World Scientific, Singapore. 1139-1145 2010.