LIST OF PUBLICATIONS

[1]. **Naveen Agrawal**, Mitesh Sarkar, Mukesh Chawda, V Ganesan and Dhananjay Bodas, *"Room temperature magnetism and metal to semiconducting transition in dilute Fe doped $Sb_{1-x}Se_x$ semiconducting alloy thin films"*, Material Research Express, Vol. 2, 025902-09 (2015).

[2]. **Naveen Agrawal**, Mitesh Sarkar and C. J. Panchal, *"Study of Annealing and irradiation effects in Sb-Se bilayer thin films"*, Invertis Journal of Renewable Energy, Vol. 4, No. 3, 121-26 (2014).

[3]. **Naveen Agrawal**, Mitesh Sarkar, Mukesh Chawda and V. Ganesan, *"Carrier induced magnetism in Fe doped $Ge_{1-x}Sb_x$ thin films"*, Materials Chemistry and Physics, Vol. 143, 330-35 (2013).

[4]. **Naveen Agrawal** and Mitesh Sarkar, *"Effect of 100 MeV Oxygen Swift Heavy ion beam on dilute Fe doped GeSb Alloy thin films"*, Narosa Publishing House, India, Page No. 139-43, ISBN No. 978-81-8487-259-0.

[5]. **Naveen Agrawal**, Mitesh Sarkar, Mukesh Chawda and Dhananjay Bodas, *"Study of Fe (0.008) doped $Sb_{1-x}Se_x$ Dilute Magnetic Semiconducting Alloy thin films"*, Proceeding of the "International Conference on Research in Condensed Matter Physics-2012, (ICCMP-12)", Page No. 148-51, ISBN No. 978-93-82062-63-9.

- ***Naveen Agrawal**, Mitesh Sarkar, Mukesh Chawda and K Asokan

  "Effect of swift heavy ion irradiation on dilute Fe doped $Sb_{0.95}Se_{0.05}$ magnetic semiconductor", communicated in Radiation Effects and Defects in Solids.

- *Mitesh Sarkar, **Naveen Agrawal** and Mukesh Chawda, *"Hyperfine interactions in dilute Se doped $Fe_{1-x}Sb_x$ bulk alloys",* Hyperfine Interactions vol. 237 18 (2016).
- *Namrata Dixit, Jayraj V. Vaghasia, Saurabh Sureshchandra, Mitesh Sarkar, Mukesh Chawda, **Naveen Agrawal** and Hemant P. Soni, *"Photocatalytic activity of Fe doped ZnS nanoparticles and carrier mediated ferromagnetism"* Journal of Environmental Chemical Engineering, Vol. 3 1691-701 (2015).
- *Mitesh Sarkar, **Naveen Agrawal** and Mukesh Chawda *"Effect of donor impurity in Fe doped $Si_{1-x-y}Ge_xM_y$"* Proceeding of the DAE Solid State Physics Symposium, ISBN No. 978-81-8372-054-0, Vol. 54, Page No. 929-30 (2009).

***Are not included in thesis.**