



## Volume 2, Issue 4, April 2011

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By IJSER Editorial Board

IJSER is delighted to announce the publication of the volume for the year 2011 of the International Journal of Science & Engineering Research. This Journal provides a glimpse into a few of the many high quality research activities conducted by the talented researchers around the world. The Journal is a compilation of outstanding papers from numerous disciplines submitted by students, researchers and scientists who have been involved in research, scholarly, and creative activities. The papers are through with an enhanced skill set, including better problem solutions, critical thinking, and team-working skills. Since many researchers who are highly qualified in their region, support of academic and research has a direct and positive impact on the upcoming researchers. We would like to express our sincere thanks to all those scientists for choosing IJSER from the first volume of the Journal since year 2010 and making it to 2011 now. We would like to especially thank the editorial members of the IJSER team for their constant support over past 1 year and also a welcome to the new members joining the team. Many thanks to the paper review committee for their constant support in timely reviewing the papers to the best of their expertise knowledge. The support from prominent regional businesses and organizations is greatly appreciated and essential for the advancement of research and journal wellbeing. There is a wide range of paper submission all the way from technology to social science titles like “*Mn DOPED SnO<sub>2</sub> Semiconducting Magnetic Thin Films Prepared by Spray Pyrolysis Method*” by K.Vadivel, V.Arivazhagan, S.Rajesh discussing the details about Semiconducting magnetic thin films of SnO<sub>2</sub> doped with Mn was prepared by spray pyrolysis method. The polycrystalline nature of the films with tetragonal structure was observed from X-ray Diffractometer. The calculated crystalline size was 16-22 nm and the lattice constant is  $a=4.73\text{\AA}$  and  $c=3.17\text{\AA}$ . The compositional studies give the weight percentage of the used materials. This volume also extended to the deep technical titles like “*Handwritten Character Recognition using Neural Network*” by Chirag I Patel, Ripal Patel, Palak Patel covering the characters in a given scanned documents and study the effects of changing the Models of ANN. Today Neural

Networks are mostly used for Pattern Recognition task. The paper describes the behaviors of different Models of Neural Network used in OCR. OCR is widespread use of Neural Network. We have considered parameters like number of Hidden Layer, size of Hidden Layer and epochs.

To learn more, please visit <http://www.ijser.org/> We would like to thank all the contributing authors for providing such a rich variety of outstanding research articles on a broad range of exciting topics. We also would like to thank Graphic Designer and web administration for designing the outstanding coverage and web maintenance of this volume of the Journal.

If you have any questions or comments about the Journal, or would like to receive a printed copy of the most recent volume of the Journal, please contact the Editor board from <http://www.ijser.org/contact-us.aspx>. The Journal is available online, please visit the following website: <http://www.ijser.org/>.

Enjoy!

The Editorial Board

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