

Progressive Education Society's

Modern College of Arts, Science & Commerce, Ganeshkhind, Pune -411016

## Department of Electronics

2011-2016

### List of Publications

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#### International Journals/conference:

[1] **Varsha Bapat**, A. D. Shaligram, "Design Of A Compact Test-Jig For Opto-Interrupters In The Crop Field Perimeter Control" in **International Journal of Advanced Research in Electronics and Instrumentation Engineering**, August 2015 issue(7260-7265).

[2] Neha Deshpande, **Varsha Bapat** and A. D. Shaligram, "Energy Saving In WSN Employing Directed Connectivity Through Antennas With Specific Directional Patterns." **International Journal of Pure and Applied Research in Engineering and Technology**, 2014, Volume 2(9):43-50.

[3] **Varsha Bapat**, Prasad Kale, Vijaykumar Shinde, Neha Deshpande, A.D.Shaligram, "WSN Application For Crop protection To Divert Animal Intrusions In The Agricultural Land", Communicated, revised, send after first revision and is under review process to Computer and Electronics in Agriculture( Elsevier), June 2016.

[4] **Varsha Bapat**, A. D. Shaligram, "Development of Crop Damage Simulation Tool for Animal attack on the crop field", Communicated and is under review to Agriculture, Ecosystems and Environment ( Elsevier), June 2016.

[5] **Varsha Bapat**, A. D. Shaligram, "Mathematical Model For Crop Damage Estimation Due to Wild Animal Attacks", Communicated to Ecological Modeling( Elsevier) , July 2016.

[6] **Varsha Bapat**, A. D. Shaligram, "Development based programmable synthesizer for bird repellent", Communicated to Computers and Electronics in Agriculture, July 2016.

[7]**Dr..Saroj S. Hole** : Polyaniline ,Preparation of conducting Polymer International Journal of Basic and Applied Research ISSN(Print):ISSN (Online): 2249-3352,Vol.12,Special Issue Pg.12- 19 , NC RTP 2012, Impact Factor: 1.026

[8] **Dr. Saroj S. Hole**: Facile route for preparation of CdS Nanoparticles International Journal of Scientific Reviews and Chemical Communication,ISSN(Print):2277-2669,ISSN (Online): Vol.2(3), 2012,427-431, March 2012, Impact Factor: 0.631

[9] **Mr. Kumbhar Deepak S.:** Development of wireless sensor network for monitoring and analysis of concrete compressive strength development in early age concrete structure, International conference on Functional Materials and Microwaves (ICFMM:28-30 Dec.2015) [ Bionano Frontier ],ISSN(Print): 0974-0678,ISSN (Online): 2320-9593,Vol.8 Issue-3 Impact Factor: 4.6

#### National Conferences:

[10] **Varsha Bapat**, A. D. Shaligram, "Analytical Study of Technology Assisted Crop Security System", in **National Conference on Recent Trends in Electronics & Computer Science**, 8-10 February 2010, Department of Electronics, Dr. D. Y. Patil Arts, Commerce & Science College, Pune. IEEE Pune, Subsection.

[11] **Varsha Bapat**, A. D. Shaligram, "Study of Technology Assisted Upgrades in Crop Security systems" in a **National Conference on Emerging Technologies for Sustainable Development**, 27-28 December 2012, Department of Technology, Shivaji University, Kolhapur.

[12] **Varsha Bapat**, A. D. Shaligram, "Design Of A Compact Test-Jig For Opto-Interrupters In The Crop Field Perimeter Control" at **National Conference on Advances in Electronics and its interdisciplinary Applications**, 19-20 September 2014, Fergusson College, Pune, IEEE,SSCS & CAS Chapters, India.

[13] **Varsha Bapat**, A. D. Shaligram, "Modelling of Crop Damage Due To Animal Attack For Technology Assisted Crop Security System" presented at **National conference in Advances in Wireless Networks and its Applications** at Shankarrao Mohite Vidyalaya, Akhuj, 12-13 December 2014, IEEE Solid State Circuit Society, India Chapter.

[14] Mrs.**Hole S.S**: Synthesis of conducting polymer, Journal of Advances in Nanostructures science and Technology

[15] Mrs. **Hole S.S**: Applications of Conducting polymers, National conference at Indapur College, Indapur.

[16] **Dr. Saroj Hole**: Different characterization techniques used in research, National Conference on recent initiatives towards Green Electronics, Feb -2013 PG Department at Science College ,Amravati

#### **Consultancy Provided:**

Advisor under Foundation For Interdisciplinary Research ( FIR) , Pune, for the development of Solar City Activity Cell at one School in Thane, Mumbai under the Thane Municipal Corporation. Consultancy of Rs.2,00,000.00. The total budget of the project is Rs. 25,00,000.00.