

2014-15

Research publication in peer reviewed International Journal:

Name of faculty	Journal	Impact factor	Publisher & date	Title of paper
Mrs S. S. Rane	International Journal Of Material Science: Materials In Electronics Vol. - 26, No - 6	2.371	Springer 10-03-2015 ISSN: 0022-2461(print) 1543-4803(online)	Hydrogen sensing characteristics of Pt-SnO ₂ Nano structured composite thin film
Mrs S. S. Rane	IEEE Proceedings of the 2015 ISPTS, 8-10 March		978-1-4673-8018-8/15/\$31.00 2015 IEEE	Al ₂ O ₃ modified ZnO composite thick film ethanol sensor

Participation/paper presentation in seminar/conference/workshop:

Name of faculty	seminar	Date	Level	Title of paper	ISBN/ISSN No
Mrs S. S. Rane	Indo Japan Workshop On "Nanotechnology: Synthesis And Sensing"	16 th to 18 th OCT 2014	International	-----	-----
Mrs S. S. Rane	National seminar on Green Technology	13 th and 14 th FEB 2015	National	1)Ag-ZnO 1D nanostructure NH ₃ gas sensors 2)Ni doped SnO ₂ photo-catalytic application	978-93-5016-319-1
Mrs S. S. Rane	International symposium on physics & technology of sensors	8 th to 10 th MAR 2015	International	Al ₂ O ₃ modified ZnO composite thick film ethanol sensor	

• **Achievements of faculty:**

- Mrs. S. S. Rane has been selected as member of editorial of SPEED E-news letter.
- Mrs. S. S. Rane received FIRST prize in paper presentation at National Seminar on "Green Technology".

2016-17

Head of the department Mrs. S. S. Rane has authored research papers at international level as follows:

- 1) Paper entitled "Fiber optic humidity sensor based on Ag decorated ZnO nanorods" published in proceedings of 40TH INTERNATIONAL MICROELECTRONICS AND PACKAGING IMAPS POLAND 2016 ISBN 978-83-932464-2-7
- 2) Paper entitled "Hydrogen, ethanol and ammonia gas sensing properties of nano-structured titanium dioxide thick films" is published in International Journal of Materials Science: Materials in Electronics ISSN No-0957-4522, DOI 10.1007/s10854-017-6632-0 Publisher Springer Science New York.
- 3) Paper presented at International conference on advanced rechargeable batteries and allied materials -2017 (ICARBM-2017) venue – IISER, Pune during 08/03/2017 to 10/03/2017

2017-18

Head of the department Mrs. S. S. Rane has authored research papers at international level as follows:

- 1) Paper entitled "Optical fiber based humidity sensor using Ag decorated ZnO nanorods" published in international journal Microelectronic Engineering 187-188 (2018) 1-5 Impact factor (1.806) ISSN: 0167-9317
- 2) Paper entitled "Hydrogen and Ammonia Gas Sensor using Silver Loaded ZnO Nanorods" is presented in INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY FOR HUMAN WELFARE (ICNHW-2018) during 1-3 February 2018 and published in proceedings with ISBN: 978-93-87317-98-7