

- **List of Publications in the field of MEMS and Nanotechnology from National MEMS Design Center**

1. **Tanmaya Kumar Das, Sakuntala Mahapatra**, Satyabrata Das, "Humidity sensing behaviors of Graphene Oxide Bridge", Proceedings of National Seminar on MEMS & Nanotechnology(NSOMN-2012), pp. 36-41, 2012, ISBN NO. 978-81-921034-3-8, 4-5 October 2012.
2. **Sakuntala Mahapatra**, Rina Mahakud, "Technical & commercial application of MEMS sensors", Proceedings of National Seminar on MEMS & Nanotechnology (NSOMN-2012), pp. 45-50, 2012, ISBN NO. 978-81-921034-3-8, 4-5 October 2012.
3. **Sakuntala Mahapatra, Minu Samantaray**, "NEMS-Application & challenges" Proceedings of National Seminar on MEMS & Nanotechnology (NSOMN-2012), pp. 55-63, 2012, ISBN NO. 978-81-921034-3-8, 4-5 October 2012.
4. **Sakuntala Mahapatra, Millee Panigrahi**, "Effect of Generation & Recombination Noise in GaN/AlGaN based devices" Proceedings of National Seminar on MEMS & Nanotechnology (NSOMN-2012), pp. 64-72, 2012, ISBN NO. 978-81-921034-3-8, 4-5 October 2012.
5. Sriguru Jaydev Krushnadas Kar, Bijaya kumar Sahoo, **Sakuntala Mahapatra, Tanmaya Kumar Das** "Detection Of Antigen By Cantilever Sensor", Paper No. 16, Proceedings of 6<sup>th</sup> ISSS National Conference on MEMS, Smart materials, Structures and Systems, 6-7 September 2013, Pune, Supported by DRDO, BRNS
6. Shantanu Kumar Pradhan , Abhisek Mishra, **Sakuntala Mahapatra, Tanmay Kumar Das** "Thermoelectrical Structural Analysis By Using Microresistor Beam" Proc. of 6<sup>th</sup> ISSS National Conference on MEMS, Smart materials, Structures and Systems, 6-7 September 2013, Pune, Supported by DRDO, BRNS
7. **Sk. Mohammed Ali, Sakuntala Mahapatra**, "Electrical characteristics of Graphene and Carbon Nanotube" AICTE Sponsored National Seminar on Nanosensors & Applications, pp.19-22, ISBN No.978-93-83060-14-6, 4-5 October, NSNA-2013.  
[www.irnetexplore.ac.in/.../NSNA\\_Bhubaneswar\\_4-5October13.html](http://www.irnetexplore.ac.in/.../NSNA_Bhubaneswar_4-5October13.html)
8. Rakesh Ku Pati, **S.K Mohammed Ali, Sakuntala Mahapatra, Millee Panigrahi** "Surface Acoustic Wave Sensor Using Piezoelectric

Materials"COMSOL International Conference ,17-18 October 2013, Bangalore.

[http://www.comsol.co.in/conference2013/india/abstract/id/15793/saw\\_abstract.pdf](http://www.comsol.co.in/conference2013/india/abstract/id/15793/saw_abstract.pdf)

9. **Sk.Mohammed Ali**, Arpita Das, Amrita Nandy, **Sakuntala Mahapatra**, **Minu Samantaray** " Tunable MEMS capacitor for millimeter & micrometer wave generation" COMSOL International Conference , 17-18 October 2013, Bangalore.

[http://www.comsol.co.in/conference2013/india/abstract/id/16329/ali\\_abstract.pdf](http://www.comsol.co.in/conference2013/india/abstract/id/16329/ali_abstract.pdf)

10. Arpana Kumari, **Mohammed Ali**, **Sakuntala Mahapatra**, Ankita Singh, Lipsa Kanhara, **Millee Panigrahi** " Cancer Detection using Coagulation Therapy with Coaxial Antenna" Accepted at COMSOL International Conference , 13-14 November 2014, Bangalore

11. **Sk. Md. Ali**, Arpana Kumari Jha, **Sakuntala Mahapatra**, Avipsa S. Panda "A Novel Design Using Coagulation Therapy With Coaxial Antenna For The Detection Of Hepatic Cancer", ISSS National Conference on MEMS Smart Materials, Structures and Systems September, 2015,Kochi, India

12. Ankita Chand, **Sk. Md. Ali**, Avipsa S. Panda, **Sakuntala Mahapatra**, "Two Anchor RF Switch With Variable Step Size", 5th IEEE International Conference on Communication and Signal Processing (ICCSP-16)