

1. S. Mukherjee, R. Maiti, A. K. Katiyar, S. Das and S. K. Ray, "Novel colloidal MoS<sub>2</sub> quantum dot heterojunctions on silicon platforms for multifunctional optoelectronic devices" *Scientific Reports*, 2016, DOI: 10.1038/srep29016
2. D. Das, K. Shiladitya, A. Parekh, M. Mandal, K. Biswas, S. Das, "Wavelet-based multiscale analysis of bioimpedance data measured by electric cell-substrate impedance sensing for classification of cancerous and normal cells," *Physical Review E*, vol. 92(6), p. 062702, 2015.
3. D. Maji, D. Das, J. Wala and S. Das, "Buckling assisted and lithographically micropatterned fully flexible sensors for conformal integration applications", *Scientific Reports, Nature Publishing Group*, vol. 5, 17776, 2015. DOI: 10.1038/srep17776.
4. S. Mukherjee, R. Maiti, A. Midya, S. Das, and S.K. Ray, "Tunable Direct Bandgap Optical Transitions in MoS<sub>2</sub> Nanocrystals for Photonic Devices", *ACS Photonics*, DOI: 10.1021/acsp Photonics.5b00111, 2015.
5. S. K. Jana, S. Ghosh, S. M. Dinara, M. Mahata, S. Das, and D. Biswas, "Structural, optical, and transport properties of AlGa<sub>N</sub>/Ga<sub>N</sub> and AlGa<sub>N</sub>/InGa<sub>N</sub> heterostructure on sapphire grown by plasma assisted molecular beam epitaxy", *J. Vac. Sci. Technol. B* 33(4), Jul/Aug 2015.
6. S. Sohail, S. Das, and K. Biswas, "Effect of Interface Layer Capacitance on Polydimethylsiloxane in Electrowetting-on-Dielectric Actuation" *Journal of Experimental Physics*, DOI:10.1155/2015/426435, 2015.
7. L. Das, S. Das and J. Chatterjee, "Electrical Bioimpedance Analysis: A New Method in Cervical Cancer Screening" *Journal of Medical Engineering*, DOI/10.1155/2015/636075, 2015.
8. P. Nandi, D. Sahu, A. S. Dhar and S. Das, "SPICE compatible behavioural modelling of resistive sensors" *Measurement science and Technology*, vol.25, No.5, p.055104, 2014.
9. L. Das, S. Basu, S. Sengupta, S. Das, and J. Chatterjee, "Differential Effect of Isooctane Doses on HaCaT and HeLa: A Multimodal Analysis" *Advances in Toxicology*, DOI:10.1155/2014/371497, 2014.
10. P. Nandi, R. Biswas, A. S. Dhar and S. Das, "Novel architecture for measurements in resistive MEMS sensors" *Measurement science and Technology*, vol.25, p.055106, DOI:10.1088/0957-0233/25/5/05510, 2014.
11. R. Pradhan, S. Rajput, M. Mandal, A. Mitra and S. Das, "Frequency dependant impedimetric cytotoxic evaluation of anticancer drug on breast cancer cell", *Biosensors and Bioelectronics*, vol. 55, pp.44-50, 2014.
12. R. Pradhan, S. Rajput, M. Mandal, A. Mitra and S. Das, "Electric cell-substrate impedance sensing technique to monitor cellular behaviours of cancer cells", *RSC Advances*, vol. 4, No.19, pp.9432-9438, 2014.
13. L Das, T Sarkar, AK Maiti, S Naskar, S Das and J Chatterjee, "Integrated cervical smear screening using liquid based cytology and bioimpedance analysis" *Journal of cytology*, vol. 31, No. 4, p. 183, 2014.
14. D. Maji and S. Das, "Analysis of plasma induced morphological changes in sputtered thin films over complaint elastomer", *J. of Physics D: Applied Physics*, vol. 47, No. 10, pp. 105401, 2014.
15. L Das, S Basu, S Sengupta, S Das, J Chatterjee, "[Differential Effect of Isooctane Doses on HaCaT and HeLa: A Multimodal Analysis](#)" *Advances in Toxicology*, DOI:10.1155/2014/371497, 2014
16. D. Das, F.A. Kamil, K. Biswas and S. Das, "Evaluation of Single cell electrical parameters from bioimpedance of cells suspension", *RSC advances*, vol.4, No.35, pp.18178-18185, 2014.

17. B. Pramanick, **S. Das** and T.K. Bhattacharyya, "MEMS based normally closed silicon microregulator for gas and water", *Sensors & Actuators: A. Physical*, vol.205, No.1, pp. 15-25, 2014.
18. R. Pradhan, A. Mitra, **S. Das**, "Quantitative evaluation of blood glucose concentration using impedance sensing devices," *Journal of Electrical Bioimpedance*, vol.4, pp.73-77, 2013.
19. P. Kundu, T. K. Bhattacharyya and **S. Das**, "Electro-Thermal Analysis of embedded boron diffused microheater for thruster application", *Microsystem Technologies*, vol.20, pp.23-33, 2014.
20. R. Pradhan, M. Mandal, A. Mitra and **S. Das** "Monitoring cellular activities of cancer cells using impedance sensing devices" *Sensors & Actuators: B. Chemical*, vol.193, pp.478-483, 2014.
21. R. Pradhan, M. Mandal, A. Mitra and **S. Das** "Assessing Cytotoxic Effect of ZD6474 on MDA-MB-468 Cells Using Cell Based Sensor," *IEEE Sensors Journal*, vol.14, No.5, pp.1476-1481, 2014.
22. D. Das, F. A. Kamil, S. Agrawal, K. Biswas, and **S. Das**, "Fragmental frequency analysis method to estimate electrical cell parameters from bioimpedance study", *IEEE Trans. on Instrumentation & Measurement*, Vol. 63, No. 8, pp.1991-2000, 2014.