

List of Publications

In referred journals:

1. Dutta, L., Hazarika, A., and Bhuyan, M. Microcontroller Based E-Nose for Gas Classification without Using ADC. *Sensors & Transducers*, 202 (7):38-45, 2016.
2. Dutta, L., Talukdar, C., Hazarika, A., and Bhuyan, M. A Novel Low Cost Hand-Held Tea Flavor Estimation System. *IEEE Transactions on Industrial Electronics*, 65 (6): 4983-4990, 2018
3. Dutta, L., Hazarika, A., and Bhuyan, M. Direct interfacing circuit based E-Nose for gas classification and its uncertainty estimation. *IET Circuits, Devices & Systems, IEEE*, 12 (1):63-72, 2018.
4. Dutta, L., Hazarika, A., and Bhuyan, M. Nonlinearity Compensation of DIC-based Multi-sensor Measurement. *Measurement, Elsevier*, 126:13-21, 2018.

In peer reviewed international conference proceedings:

5. Dutta, L., Hazarika, A., and Bhuyan, M. Comparison of Direct Interfacing and ADC Based System for Gas Identification using E-Nose. In *International Conference on Accessibility to Digital World (ICADW-2016)*, pages 15-19), Guwahati, Assam, India, 2016.
6. Dutta, L., Hazarika, A., Boro, M., and Bhuyan, M. Non-Linear Offset Measurement and Nullification for Effective Resistive Sensor Design. In *Advances in Communication, Devices and Networking*, doi.org/10.1007/978-981-10-7901-6_85 Springer, 2017