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TOTAL NUMBER OF PUBLICATIONS: 68

LIST OF RECENT PUBLICATIONS

1. Vargis, V.S., Vasu, S.P., Sree, R.J., Nair, B., Gopalakrishnan, and **Satheesh Babu T. G.,** 2019. Peroxidase Labeled Antibody Conjugated Gold Nanoparticles for Ultrasensitive Voltammetric Immunosensing. IEEE Sensors Journal, 20(3), pp.1142-1149.

2. Ravi, A.K., Punnakkal, N., Vasu, S.P., Nair, B.G. and **Satheesh Babu T. G.,** 2020. Manganese dioxide based electrochemical sensor for the detection of nitro-group containing organophosphates in vegetables and drinking water samples. Journal of Electroanalytical Chemistry, 859, p.113841.

3. Sreekumar, A., Navaneeth, P., Suneesh, P.V., Nair, B.G. and **Satheesh Babu T. G.,** 2020. A graphite pencil electrode with electrodeposited Pt-CuO for nonenzymatic amperometric sensing of glucose over a wide linear response range. Microchimica Acta, 187(2), p.113.

4. Dhara, K. and **Satheesh Babu T. G** 2019. Electrochemical Nonenzymatic Detection of Hydrogen Peroxide at Pd Nanoparticles-Reduced Graphene Oxide Nanocomposite. Sensor Letters, 17(4), pp.283-289.

5. Vijayanandh, V., Pradeep, A., Suneesh, P.V. and **Satheesh Babu T. G.,** 2019, November. Design and simulation of passive micromixers with ridges for enhanced efficiency. In IOP Conference Series: Materials Science and Engineering (Vol. 577, No. 1, p. 012106). IOP Publishing.

6. Edachana, R.P., Kumaresan, A., Balasubramanian, V., Thiagarajan, R., Nair, B.G. and Gopalakrishnan, **Satheesh Babu T. G.,** 2020. Based device for the colorimetric assay of bilirubin based on in-situ formation of gold nanoparticles. Microchimica Acta, 187(1), p.60.

7. Pathak, A., Suneesh, P.V., Stanley, J. and **Satheesh Babu T. G.,** 2019. Correction to: Multicolor emitting N/S-doped carbon dots as a fluorescent probe for imaging pathogenic bacteria and human buccal epithelial cells. Microchimica Acta, 186(9), p.645.

8. Roshith, M., Kumar, M.S., Kumar, A.N., Ramasubramanian, S., Stanley, J., **Satheesh Babu T. G.,** and Kumar, D.V.R., 2019. Urchin-like fibrous red phosphorus as an efficient photocatalyst for solar-

light-driven disinfection of E. coli. Journal of Photochemistry and Photobiology A: Chemistry, 384, p.112034.

9. Ranjana, M., Ramesh, V.V., **Satheesh Babu T. G.,** and Kumar, D.V.R., 2019. Sophorolipid induced hydrothermal synthesis of Cu nanowires and its modulating effect on Cu nanostructures. Nano-Structures & Nano-Objects, 18, p.100285.

10. Pathak, A., Suneesh, P.V., Stanley, J. and **Satheesh Babu T. G.,** 2019. Multicolor emitting N/S-doped carbon dots as a fluorescent probe for imaging pathogenic bacteria and human buccal epithelial cells. Microchimica Acta, 186(3), p.157.

11. V. Sara Vargis, Priya, C. Jayachandr, Surendran, H., Vasu, S. Punathil, Dr. Bipin G. Nair, Gopalakrishnan, T., and **Satheesh Babu T. G.,** "Gold Nanoparticles Decorated Reduced Graphene Oxide Nanolabel for Voltammetric Immunosensing.", IET Nanobiotechnol, vol. 13, no. 2, pp. 107-113, 2019.

12. Deepa, A., Ananthi, S., Balaji, K.R., Vignesh, V. and **Satheesh Babu T. G.,** 2019. An instrument for instant identification of chromatic changes in chemical reactions. Journal of the Indian Chemical Society, 96(1), pp.1-4.

13. Keerthy Dhara, T. Ramachandran, Dr. Bipin G. Nair, and Dr. **Satheesh Babu T. G.,** "Fabrication of Highly Sensitive Nonenzymatic Electrochemical H_2O_2 Sensor Based on Pt Nanoparticles Anchored Reduced Graphene Oxide", Journal of Nanoscience and Nanotechnology, vol. 18, pp. 4380-4386, 2018.

14. Raveendran, J. and **Satheesh Babu T. G.,** 2018. Design and fabrication of a three layered microfluidic device for lab on a chip applications. Materials Today: Proceedings, 5(8), pp.16286-16292.

15. Kumar, P.A., Stanley, J., **Satheesh Babu T. G.,** and Suneesh, P.V., 2018. Synthesis of Nickel-Aluminium Layered Double Hydroxide and itsApplication in Non-Enzymatic Glucose Sensing. Materials Today: Proceedings, 5(8), pp.16125-16131.

16. Pradeep, A., Raj, S.V., Stanley, J. and **Satheesh Babu T. G.,** 2018. Design, simulation and fabrication of a normally-closed microvalve based on magnetic actuation. Materials Today: Proceedings, 5(8), pp.16059-16064.

17. P. E. Resmi, Palaniayappan, A. L., T. Ramachandran, and **Satheesh Babu T. G.,** 2018. Electrochemical Synthesis of Graphene and its Application in Electrochemical Sensing of Glucose, Materials Today: Proceedings, vol. 5, pp. 16487 – 16493.