List of Publications, if any. If yes, Upload copies of any two publications.

Total publications-24

Research paper:

- **1- Hasan MR**, Sharma P, Pilloton R, Khanuja M, Narang J. Colorimetric biosensor for the naked-eye detection of ovarian cancer biomarker PDGF using citrate modified gold nanoparticles. Biosensors andBioelectronics: X. 2022 Sep 1;11:100142.

- **2-** Anirudh Bishoyi, Md. Anish Alam, **Mohd. Rahil Hasan**, Manika Khanuja, Roberto Pilloton, JagritiNarang. Cyclic voltammetric- Paper-Based Genosensor for detection of the target DNA of zika virus. MDPI.2022.

- **3-** Sharma P, Hassan H, **Hasan MR**, Fatima T, Mohan H, Khanuja M, Kaushik S, Narang J. PBIS-based system integrated with zinc–silver nanocomposite for the detection of Chikungunya virus. Biosensors and Bioelectronics: X. 2023 May 1;13:100303. **.(IF-10)**

- **4- Hasan MR,** Sharma P, Shaikh S, Singh S, Pilloton R, Narang J. Electrochemical Aptasensor Developed Using Two-Electrode Setup and Three-Electrode Setup: Comprising Their Current Range in Context of Dengue Virus Determination. Biosensors. 2022 Dec 20;13(1):1. **(IF-5)**

- **5**-Tyagi M, Singh S, **Hasan MR,** Fatima T, Khanuja M, Narang J. Lab in tube: comparing different morphological dependent gold nanomaterials towards naked eye and optical sensing of dopamine using aptamer. International Journal of Environmental Analytical Chemistry. 2023 May 1:1-4.

- **6-** Pradakshina Sharma, **Mohd. Rahil Hasan**, Manika Khanuja, Rachna Rawal, Shivani Shivani, Jagriti Narang. Aptamer based silver nanoparticle decorated paper platform for electrochemical detection ovarian cancer biomarker PDGF. Material chemistry and physics. 2023.

- **7-** Sharma P, Hasan MR, Khanuja M, Narang J. Carbon ink printed flexible glove-based aptasensor for rapid and point of care detection of Chikungunya virus. Process Biochemistry. 2023 Aug 2.

Review paper:

- **1**-Alam MA, **Hasan MR**, Aznar N, Suleman S, Narang J. Diagnostic approaches for the rapid detection of Zika virus–A review. Process Biochemistry. 2021 Feb 1;101:156-68.

- **2-** Aznar N, **Hasan MR**, Akram M, Yadav N, Narang J. Systematic and validated techniques for the detection of ovarian cancer emphasizing the electro-analytical approach. Process biochemistry. 2020 Jul 1;94:126-35.

- **3- Hasan MR**, Sharma P, Aznar N, Pundir CS, Pilloton R, Narang J, Shetti NP. Analytical methods fordetection of human cytomegalovirus clinched biosensor a cutting-edge diagnostic tool. Biomedical Engineering Advances. 2021 Jun 1;1:100006.

- **4-** Beduk T, Beduk D, **Hasan MR,** Guler Celik E, Kosel J, Narang J, Salama KN, Timur S. Smartphone-Based Multiplexed Biosensing Tools for Health Monitoring. Biosensors. 2022 Jul 29;12(8):583.

- **5-** Hassan H, Sharma P, **Hasan MR**, Singh S, Thakur D, Narang J. Gold nanomaterials–The golden approach from synthesis to applications. Materials Science for Energy Technologies. 2022 Sep 18.

- **6-** Sharma P, **Hasan MR,** Mehta NK, Bishoyi A, Narang J. 92 years of zinc oxide: has been studied by the scientific community since the 1930s-An overview. Sensors International. 2022 Jun 3:100182.

- **7-** Singh S, **Hasan MR**, Sharma P, Narang J. Graphene nanomaterials: The wondering

material from synthesis to applications. Sensors International. 2022 Jun 23:100190.

- **8-** Aznar N, **Hasan R**, Tyagi M, Yadav N, Narang J. Carbon nanotube-A review on Synthesis, Properties and plethora of applications in the field of biomedical science. Sensors International. 2020 Jan 1;1:100003.

- **9- Hasan MR**, Anzar N, Sharma P, Singh S, Hassan H, Rawat C, Narang J. Mycobacterium tuberculosis diagnosis from conventional to biosensor-a systematic review. International Journal of Environmental Analytical Chemistry. 2022 Nov 25:1-6.

- **10-** Thakur D, Fatima T, Sharma P, **Hasan MR**, Malhotra N, Khanuja M, Shukla SK, Narang J. High-performance biosensing systems for diagnostics of Sexually transmitted disease–A strategic review. Process Biochemistry. 2023 Jan 13.

- **11- Hasan MR** , Sharma P, Shariq Suleman , Shouvik Mukherjee , Emine Guler Celik , Suna Timur , Roberto Pillton and Jagriti Narang. PAPERTRONICS-Marriage between Paper and Electronics becoming a real scenario in resource-limited settings.ACS.2023.

- **12-** Singh S, **Hasan MR**, Jain A, Pilloton R, Narang J. LFA: The Mysterious Paper-Based Biosensor: A Futuristic Overview. Chemosensors. 2023 Apr 19;11(4):255.

- **13-** Hasan MR, Anzar N, Sharma P, Malode SJ, Shetti NP, Narang J, Kakarla RR. Converting biowaste into sustainable bioenergy through various processes. Bioresource Technology Reports. 2023 Jul 5:101542.

Book-Chapter:

- **1-Hasan MR,** Suleman S, Narang J. Lab-on-paper based devices for COVID-19 sensors. InSensing Toolsand Techniques for COVID-19 2022 Jan 1 (pp. 25-47). Elsevier.
- **2-Hasan MR**, Anzar N, Tyagi M, Yadav N, Narang J. Lab-on-a-chip devices—Advancement in the designing of biosensors. InFunctionalized Nanomaterials Based Devices for Environmental Applications2021 Jan 1 (pp. 175-198). Elsevier.
- **3**-Sharma P, **Hasan MR,** Narang J. Bio-inspired Protein-Based Nanoparticles in Cancer Therapy.InHandbook of Oxidative Stress in Cancer: Therapeutic Aspects 2022 Mar 18 (pp. 1-24). Singapore: Springer Singapore.
- **4**-Malode SJ, Sharma P, **Hasan MR,** Shetti NP, Mascarenhas RJ. Carbon and carbon paste electrodes. InElectrochemical Sensors 2022 Jan 1 (pp. 79-114). Woodhead Publishing.

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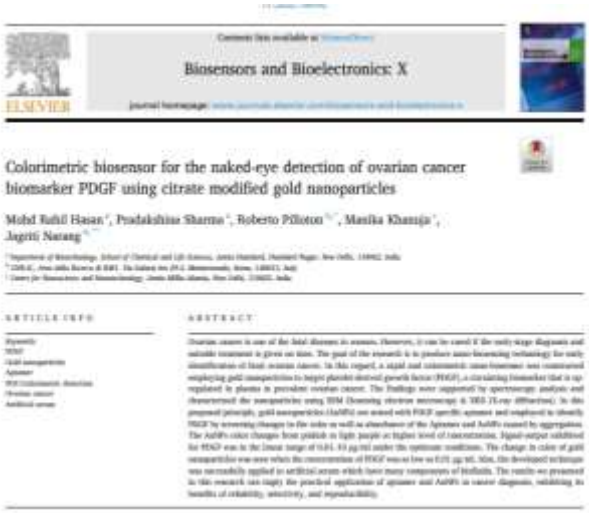
1-Hasan MR, Sharma P, Pilloton R, Khanuja M, Narang J. Colorimetric biosensor for the naked-eye detection of ovarian cancer biomarker PDGF using citrate modified gold nanoparticles. Biosensors and Bioelectronics: X. 2022 Sep 1;11:100142. (10-impact factor)

2- Hasan MR, Sharma P, Shaikh S, Singh S, Pilloton R, Narang J. Electrochemical Aptasensor Developed Using Two-Electrode Setup and Three-Electrode Setup: Comprising Their Current Range in Context of Dengue Virus Determination. Biosensors. 2022 Dec 20;13(1):1.(5-impact factor)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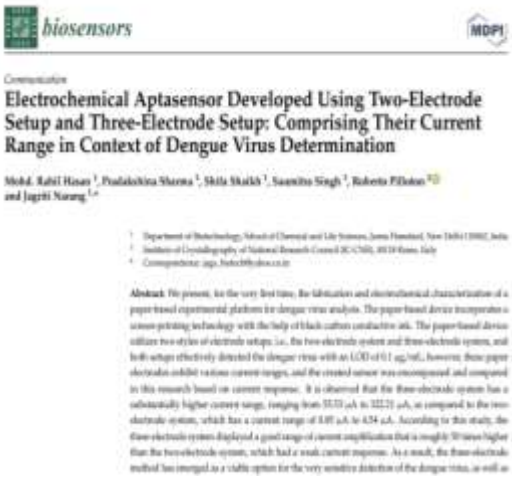
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