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List of Publications

Research Publications:

1. **Ravi Prakash Ojha**, Richa Mishra, Priya Singh, Narsingh Raw Nirala, and Rajiv Prakash, "A composite prepared from MoS₂ quantum dots and silver nanoparticles and stimulated by mercury(II) is a robust oxidase mimetic for use in visual determination of cysteine," *Microchimica Acta*, **187** (1) (2019) 74.
 2. **Ravi Prakash Ojha**, Priya Singh, Uday Pratap Azad, and Rajiv Prakash "Impedimetric immunosensor for the NS1 Dengue Biomarker based on the Gold Nanorod Decorated Graphitic Carbon Nitride modified," *Electrochimica Acta*, **411** (2022)140069.
 3. **Ravi Prakash Ojha**, Shweta Pal, and Rajiv Prakash "Cu-Fe Prussian blue analog nanocube with intrinsic oxidase mimetic behaviour for the non-invasive colorimetric detection of Isoniazid in human urine," *Microchemical Journal*, **171** (2021) 106854.
 4. **Ravi Prakash Ojha**, Priya Singh, Sandeep Kumar, Ashish Kumar Singh, and Rajiv Prakash "Fe-doped MoS₂ nanomaterials with amplified peroxidase mimetic activity for the colorimetric detection of glutathione in human serum," *Materials Chemistry and Physics* **267** (2021) 124684.
 5. **Ravi Prakash Ojha**, Chandra Jeet Verma, Priya Singh, and Rajiv Prakash "Hierarchically porous 2D carbon from bio-waste: A sustainable, rapid, and efficient oxidase mimic for colorimetric detection of ascorbic acid," *Material Advances*, **3** (6) (2022) 2749-2759.
 6. **Ravi Prakash Ojha**, Priya Singh, Subhajit Jana, Rajiv Prakash "Gold nanoflower decorated MoSe₂ modified electrode for the electrochemical detection of free cholesterol." (Communicated).
 7. Chandrajeet Verma, Ashish Kumar, **Ravi Prakash Ojha**, and Rajiv Prakash "Au-V₂O₅/Polyindole composite: An approach for ORR in different electrolytes," *Journal of Electroanalytical Chemistry*, **861** (2020) 113959.
 8. Vineet Kumar Mall, **Ravi Prakash Ojha**, Preeti Tiwari, and Rajiv Prakash "Immunosuppressive drug sensor based on MoS₂-polycarboxyindole modified electrodes," *Results in Chemistry*, **4** (2022) 100345.
 9. Richa Mishra, Narsingh Raw Nirala, Rajiv Pandey, **Ravi Prakash Ojha**, and Rajiv Prakash "Homogenous Dispersion of MoS₂ Nanosheets in Polyindole Matrix at Air-Water Interface Assisted by Langmuir Technique," *Langmuir*, **33** (47) (2017) 13572–13580.
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List of Publications

10. Pragati Srivastava, **Ravi Prakash Ojha**, Gopal Ji, and Rajiv Prakash. “Colorimetric sensing of lactose through the formation of gold nanoparticles,” *Materials Today: Proceedings* (2022).
11. Monika Srivastava, S. K. Srivastava, **Ravi Prakash Ojha**, and Rajiv Prakash “Smartphone assisted colorimetric sensor for Glucose monitoring using Nanozyme in Real Time.” *Microchemical Journal*, **182** (2022) 107850.
12. Priya Singh, **Ravi Prakash Ojha**, Subhajit Jana, Aniruddha Jaiswal, and Rajiv Prakash “Platinum decorated graphitic carbon nitride with enhanced oxidase activity for the colorimetric detection of Ascorbic acid.” (Communicated).

Patent:

“A method and A Kit for detecting concentration of Anti-Tuberculosis Drug in a Biological Sample” and application no. 202111011562.

Symposium and Conferences

1. 4th International Conference on “Nanoscience and Nanotechnology” (ICONN 2017), SRM University, Kattankulathur, Chennai, 2017, (Poster Presentation)
2. International Conference on “Advances in Polymer Science and Technology” (APA-2018) Kathmandu, Nepal, 2018, (Poster Presentation).
3. International Conference on “Emerging Trends in Chemical Sciences” (ICETCS) DDU Gorakhpur University, Gorakhpur, U.P., 2018 (Poster Presentation)
4. 30th Annual meeting of MRS-J Japan 2020. (Oral Presentation)
5. National conference on “Innovative Approaches Towards Sustainable Development” (NCIATSD-2020), K.N.P.G. College, Gyanpur, Bhadohi, U.P. (Poster Presentation).

Honours Received

1. **Best poster presentation award** in APA-2018 International conference organized by Asian Polymer Association at Kathmandu, Nepal.
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