

GRG TRUST RESEARCH PROJECT

TITLE OF THE PROJECT

PI: Dr. R. Revathi

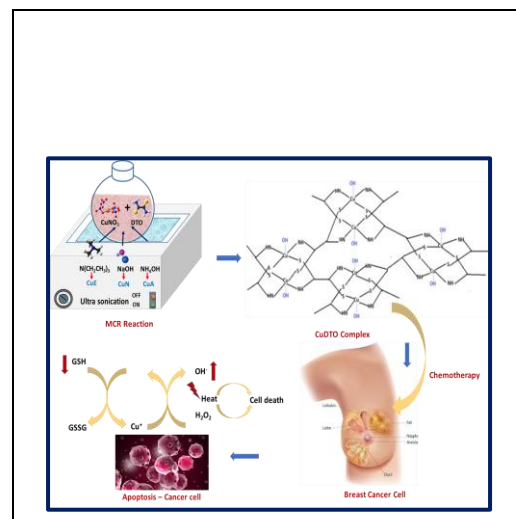
Amount Sanctioned: Rs.2,00,000/-

Year: 2019-2021

Project outcomes:

- Newer organic Copper and Iron-metal organic frameworks MOFs were achieved by simple synthetic methodologies.
- The biological activities like antioxidant assays like DPPH, FRAP, and anticancer studies towards breast (MCF7) and prostate cancer (PC3) cellines were performed.
- Cytotoxicity of the Cu-MOFs results reveals slight to severe toxicity towards MTT (L929) for the concentration of 5 μ L to 100 μ L.
- Novel electrode material of ellipsoidal Fe₂O₃/Polyaniline nano composites were prepared and their performance for the non enzymatic quantitative determination of serum creatinine was achieved with high selectivity quick response time and wide range of detection limit.

For more information, please contact: revathi@psgrkcw.ac.in



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- ❖ Publications: Analytica Chimica Acta (Elsevier ISSN 0976-9390) 1137, 2020, pg 103-114. (IF: 6.911)
 - ❖ Conference/ Seminar/ Workshop: 3 International Conference with paper presentation
 - ❖ Books: Nil
 - ❖ Any other achievements: Best paper presentation Award (International Virtual Conference on Theoretical and Experimental Sciences (ICTES-2022))
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