

**DR. FAIZAH MD YASIN**

Research Associate, Nanomaterials Processing and Technology Laboratory

Expertise: Nanotechnology, Advanced Materials

Email: fmy@upm.edu.my

Phone: +603.9769.6284



ORCID

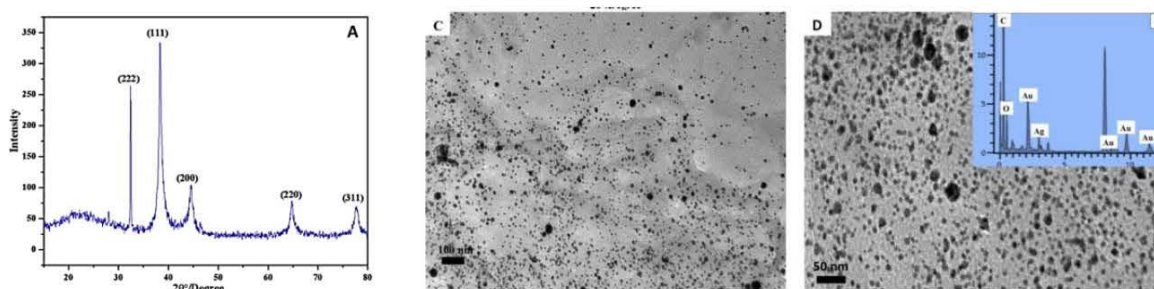
Scopus Author ID: [55967681200](#)

ResearchGate : [Link](#)

RESEARCH HIGHLIGHTS

1. Metal/bimetallic decoration of carbon nanomaterials for sensor application.

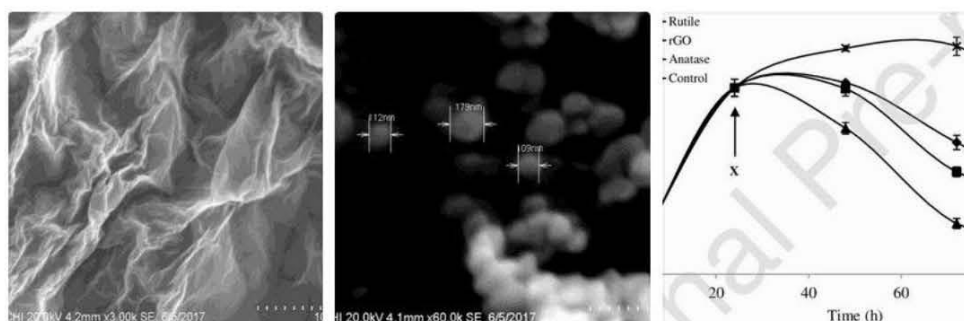
Graphene, carbon nanotubes and carbon nano onions were decorated with Au, Ag, Pd and Pt for H₂, VOC and glucose sensor. Other than metal decoration, carbon nanomaterials is also functionalised with carboxyl, carbonyl, amide and amine group to enhance the sensing properties.



Ali, N. A., & Yasin, F. M. (2019). Synthesis and characterization of silver and gold nanoparticles decorated reduced graphene oxide. *NANOSCIENCE AND NANOTECHNOLOGY: NANO-SciTech*. doi:10.1063/1.5124647

2. Toxicity study and anti-bacterial activity of carbon nanomaterials.

The studies were carried out using zebrafish embryo and microbial culture.



Ahmad NS, Abdullah N, Yasin FM, Toxicity assessment of reduced graphene oxide and titanium dioxide nanomaterials on gram-positive and gram-negative bacteria under normal laboratory lighting condition, *Toxicology Reports* (2020), doi:<https://doi.org/10.1016/j.toxrep.2020.04.015>.