

VIETNAM NATIONAL UNIVERSITY HD CHI MINHICITY UNIVERSITY OF SCIENCE



FACULTY OF MATERIALS SCIENCE AND TECHNOLOGY

RESEARCH DIRECTION OPTICAL SENSORS AND APPLICATIONS

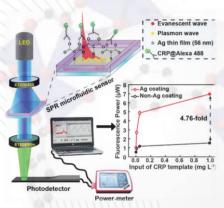
Building, designing, and manufacturing optical sensors based on metallic nanomaterials and hybrid materials for detection and diagnosis at the molecular level for applications in health, medicine, biology, the environment, and food.

Research Team Leader:

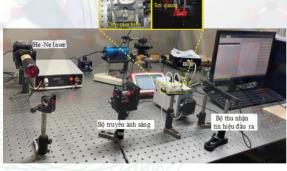


Ph.D. Tran Thi Nhu Hoa https://scholar.google.com.vn/citations?user=ItAE-vsAAAJ&hl=vi E-mail: ttnhoa@hcmus.edu.vn

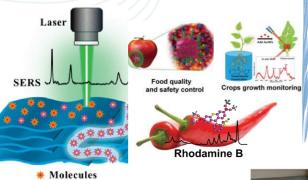
Fluorescence sensor



2. Optical fiber sensor

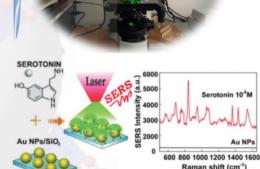


Applications in the field of environment and food



nanorods nanoparticles Material structures Metal core-shell nanoflowers hybrid Nano-metalorganic frameworks

3. SERS sensor





Applications in the field of health and biomedicine



Alzheimer



Heart disease



Liver failure



Diabetes







