

# **HASSAN TUHMAZ HAMAD**

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## **EDUCATION**

**PhD. Chemical Science- Biochemistry -2023**

**MSc. Chemical Science - Al al-Bayt University -2003.**

**BSc : Chemical Science - Baghdad University – 1996.**

## **SCIENTIFIC PROMOTIONS**

From Assistant Lecturer to Lecturer, June, 2016

From Lecturer to Assistant Professor, October , 2019

## **WORK EXPERIENCE**

Water treatment 1997-2000

## **TEACHING EXPERIENCE**

**Assistant lecturer in College of science, University of Thi-Qar 2004-2010** Courses:  
Analytical chemistry and physical chemistry

**Teaching Assistant, College of medicine, University of Thi-Qar 2011-2020**  
Courses: Biochemistry, Organic Chemistry

## **RESEARCH EXPERIENCE**

Simulation some for drugs to the COVID-19 virus theoretically by MOE a program

## **PUBLICATIONS**

1- The effects of Palladium, Gold, and Iron Nanoparticles as Medical Catalysis.(IOSR Journal of Applied Chemistry (IOSR-JAC))

- 2- Simulation of Au and Mo Nanoparticles Effects.( International Journal of Science and Research (IJSR)
- 3- Photothermal therapy of cancer by using the nanomaterials such as gold.
- 4- Photothermal treatment of cancer by using the nanomaterials such as Titanium.
- 5- Kinetic Processes Simulation for Production of the Biodiesel with Using as Enzyme  
H.T.Hamd3-
- 6-Inducing and treatment of Human cells by ZnO Nanoparticles. (Issued by thi-qar medical college), Hasan Tuhmaz(1),Aziz Abbas 7- Study of TiO<sub>2</sub> nanoparticles induction for biological system Hasan Tuhmaz (1), Lamees Majid Hammed.
- 8-Simulation of laboratory - prepared compounds as anticancer from quinazoline derivatives.
- 9- Simulation THDP-quinazoline-3-ol compound as anticancer for (HCT116) cells of the Alkaloid Quinazoline Extracted from Aspergillus nomius.
- 10- The thermo-optical treatment of cancer by laser light with Ag nanoparticles.  
I have a research is pending to publish in:
- 11- He-Ne monochromatic light with selenium nanoparticles. Hassan Tuhmaz Hamad , Lamees M. AL- Janabi
- 12- Simulation of the warfarin drug-binding nano- metal induction for serum albumin.

### **Under publication**

- 13-Enzyme tests in the evaluation of thrombolysis in acute myocardial infarction.
- 14- Evaluation, examination and comparison of liver enzyme activity in acute hepatitis B and chronic hepatitis B cases.
- 15- Determination of binding constants of fluorescently labeled nucleotides with proteins
- 16- Simulation favipiravir drugs to the COVID-19 virus and same it theoretically.
- 17- Simulation remdesivir drugs to the COVID-19 virus and same it theoretically.

### **RELEVANT SKILLS**

Communication skills  
Technology skills  
Programming ability in MATLAB

