

Assist professor Dr.Sabah Hassain Enayah
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EDUCATION

Ph.D., Human Toxicology	The university of Iowa	2016
MS.C., Histology	Thi-Qar university	2006
BS.C., Biology	Basrah university	2001

ACADEMIC APPOINTMENTS

Faculty staff: Collage of pharmacy and collage of science in Thi-Qar university from 2006 till now

- ✦ I worked as mean instructor to teach Toxicology 1 and Toxicology 2 in pharmacy collage (fourth and fifth grade). In the science collage, I am teaching Master (MS) and Baccalaureus (BA) materials and serviced as academic adviser for MS and BA students. I initiated new curriculums and taught them such as neurology and cell culture.
- ✦ Based on my teaching certificate form ESL in the university of Iowa, I also worked as English academic teacher for MS students. Through this period also I learned a lot from achieving several works as researcher's groups and publish several papers in local and scoup's journals.
- ✦ Teacher assistant for 2 semesters in pharmacy collage in the university of Iowa in USA.

Research assistant: The university of Iowa 2012- 2016

- ✦ After finishing one and half year in English Second Language institute (ESL), I joined the university of Iowa as ph.D. student and served their as research assistant in Human toxicology department in Dr. Ludewig lab.

Lecturer Thi Qar University Thi -Qar, Iraq 2008-2010

- ✦ Worked for fall time as lecturer teaching student and working as lab administrator in the same university. This work improve my ability teaching and built good relationship with all the staff and students

Assistant Teacher, Thi Qar University Thi -Qar, Iraq 2006-2008

- ✦ After getting my Master in Histology, I got my chance to pursue the work which I like as assistant teacher and lab assistance teaching and doing research approach. Working on several graduation projects also help to earn some lab and thinking skills. **Lab assistance**
- ✦ Working as lab assistance helped me to get more and more bench work and team work experience. Through this position, I also learned proposal writing experiences.

TEACHING EXPERIENCE

Taught Toxicology classes in the pharmacy collage and taught several biology classes in department of Biology and department of pathological analyzes Collage of science in Iraq:

Cell Biology around 6 sections showing the structure of the cells and all the protein and crucial enzymes with their functions and reaction.

General Biology describing the tissue and organs.

Organic Genetics, explain for the student the basic compound of DAN and RNA.

Elucidate all genetic traits heredity and mutations.

Neurotoxicology teach undergraduate student the neuron structure and the effects of varies sort of toxic that seriously impact on neuron and lead to some of neurodegenerative disease such as Parkinson's and Alzheimer.

Clinic toxicology class to 5th stage pharmacy students to teach them how to deal with patients who suffered from poisoning. I am also trying every year to explain the different effects of chemicals, heavy metals, and pesticides on human health.

Additionally, teach mechanism of toxicology 4th stage pharmacy collage. Showing the students the main pathways and mechanism of toxicants.

Laboratory Biology during this class I was explain to the student how they are using the lab tools and equipment. Pronounce to the student that the role of the lab needed to be known before they are involved in their actual lab. Histology

RELATED WORK EXPERIENCE

Research Interest

Personal Work Philosophy

Teamwork: I am committed to enthusiastically working with other scientists in successfully undertaking team projects within The University of Iowa academic environment and following the expert advice and supervision of teachers, advisors, and co-workers.

Willingness to Learn: I am dedicated to developing my understanding and to study effects of lead on worker health in the construction industry in Iowa and the industry of

cables and wires in Thi-Qar, Iraq. I am focused on problem solving to accomplish my Ph.D. here in USA and back home in my country.

RESEARCH EXPERIENCE

University of Iowa/ Human Toxicology:

Dr. Ludweig

During Ph.D study and trying to find the effect of Co-exposure to lead and PCBs on neuron cells. Ph.D thesis included human and in vitro work using neuron cells model. Dealing with PCBs and understanding the pathways of toxicant also was one of the achievement in Dr. Ludweig lab. Thesis work come out with 3 papers. Contribute in side work represented by study the effect of PCB126 on liver managed by Dr. Robertson. I have honor to be the student who establish the comet assay in Dr. Ludweig lab and use this assay in Dr. Robertson project.

Thi- Qar university/ Histology Dr. AL sadde

Mc.S study trying to study the hsto-pathological changes in some organisms of the male rabbits after lead acetate treatment and the role of penicillamine and vitamin C in the treatment.

CLINICAL RESEARCH SKILLS

Human blood certification (phlebotomy)

Animal Use

Neurotoxicity

Cell culture use

Dissection

Confocal microscope

Hearing system measurments (IBR)

EQUIPMENT PROFICIENCIES

HPLC

GS/MS

ICP/MS

Cell culture

Microtome

Histo-kinet

Served as reviewer for several journals that are index in scoups such as Journal of Food Science and Technology and others.

Abroad Editor for

Peer Reviewed Publications before getting ph.D

*Study of the effect of concentrations of aluminum chloride on some of the criteria and weights of vessels in male laboratory mice, *Mus musculus*, and the role of tannic acid in the treatment.

*Study of bladder cancer in the Thi-Qar Governorate, Iraq.

* ABO Rhesus Blood Groups distribution in the Thi-Qar population, Iraq.

* Study of some infertility cases in men in the Thi-Qar province, Iraq.

* Anemia in pregnant women in Kermit Bunysaad village, Thi-Qar province, Iraq.

PRESENTATIONS

Evaluation of toxic interactions between heavy metals and polychlorinated biphenyls. Invited to give an oral presentation about my Ph.D. work during the Annual Meeting of the Central States Regional Chapter of the Society of Toxicology (CS-SOT), Oct 8-9. 2015, Kansas City, KS

Assessing the Effects of Pb, Hg, Cd Levels on DNA Damage, a Study of Occupational Exposures and Life Style Behaviors among Construction Workers in Eastern Iowa. Poster presentation at SOT Meeting in 2015 San Diego, California and CS-SOT 2014 in Kansas City.

Characterize the Neurotoxicity of PCB153 and PCB95 *in Vitro*. Poster presentation at SOT meeting in 2016 New Orleans.

OTHER CATEGORIES

LANGUAGES

Arabic, native speaker

English, advanced fluency

Certificate in ESL and teaching certification from university of Iowa language institute

PROFESSIONAL ORGANIZATIONS

RESEARCH FUNDING

Evaluation of the interaction between heavy metals and polychlorinated biphenyl.
Heartland Pilot Grant, 2014
Role: PI

Graduate college post comprehensive research award for the spring 2016.

Travel awards to SOT meeting in 2015

Reviewer: for several national and international journals

Papers Published or submitted

- PCB95 and PCB153 change dopamine levels and turn-over in PC12 cells
SH Enayah, BC Vanle, LJ Fuortes, JA Doorn, G Ludewig
Toxicology 394, 93-101.
- Studying the effect of institutional pressures on the intentions to continue green information technology usage
AADJ Alziady, SH Enayah
Asian Journal of Sustainability and Social Responsibility 4 (1), 4
- Evaluation of antioxidants and reactive oxygen species (ROS) levels after combination exposure to chromium (III) and atrazine on liver in Wistar Albion male rats
SH Enayah
Iraqi journal of biotechnology 17 (1)
- CAMEL'S MILK AS AN IMMUNE IMPROVER AGAINST THE HYDATIDIOSIS IN LABORATORY MICE
BA AL-Aboody, EAK Jabbar, SHE Rumaidh
Basrah Journal of Veterinary Research 17 (3)
- Diagnosis of the problems which facing the researchers during studying In vitro lead toxicity
SH Enayah
Medical Journal of Babylon 15 (1), 5

- The synergistic effect of Cisplatin and Interferon B on human lung adenocarcinoma cells line (A549). Hamid Naji, Sabah Enyah. Pharmaceutical and research 14599-13
- Evaluation of alterations in dopamine and neuro-toxicity caused by coexposure to lead (Pb) and polychlorinated biphenyls (PCBs) SH Enayah. The University of Iowa, thesis 2016
- Quantify Toxic Metals (Pb, Cd and Hg) and PCB Exposure among Construction Workers in Eastern Iowa and Investigate any Correlation with Antioxidant Levels and DNA Damage. Sc-SOT
- N-Acetyl Cysteine and vitamin C Protects against atrazine-Induced Dopaminergic Neurodegeneration in Dopaminergic Cells.2018
- Study Effects of Oral Contraceptive on Some Hematological Parameters and Testes of Experimental Male Rat. 2017.
- Characterization of the neurotoxic effects of lead (Pb) alone or after coExpsoure with Plychlorinated biphenyls (PCBs) in neuronal cells. Sabah Enayah, oral presentation in SC-SOT meeting
- Effect of antivenom of *Echis carinatus* snake on sex hormones, immunological and sperm parameters of male rats.
- Study the hematological effect and level of heavy metal among oil field workers in Al- berjezya field in Basrah/ Iraq.
- Investigate the role of Beetroot which gain from contaminated area as antioxidants against CCl4.
- Compare the impact of three different plants that collected from power station and oil field area on hematology and gene expression in male rate. (adviser of thesis).
- Compare the effect of different marshland water on experimental animal (histological and hematological study) adviser of thesis.

- Measuring the Concentration of Heavy Elements in Blood of Workers in Fuel Stations in Dhi Qar Governorate.
- Assessment the incidence of Transitional Cell Carcinoma (TCC) of the bladder cancer.