

# Curriculum Vitae

## Dr Khetam Alhilali

Lecturer in Pharmacology and Toxicology Science

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### Education:

- PhD in Pharmacology University of Liverpool / Institute of translational medicine / UK. Molecular and clinical pharmacology and immunology - Drug safety. 2019..

My thesis titles was, Detection and Phenotypic Characterization of Drug (Metabolite) – in Specific T-Cells from Patients with Drug-Induced Skin and Liver Injury and Healthy Donors).

#### ❖ Thesis included the following:

- Dapsone and Nitroso dapsone-specific activation of T-cells from hypersensitive patients expressing risk alleles HLA-B\*13:01.
- Investigation of the immunological mechanisms relating to tolvaptan-induced liver injury.
- Characterisation of healthy donor-derived T-cell responses specific to telaprevir diastereomers.

M. Sc. Pharmacology and Toxicology, from Baghdad University, Baghdad, Iraq. October 2000 to April 2003.



Master's in Pharmacology – Effect of treatment on isolated organs with different drugs (chemical and organic drugs as well as medicinal plants).

The thesis title was Pharmacological Study of Cordia Myxa Linn Fruit Extract in Smooth Muscle of Isolated Organs from Laboratory Animals.

**University of Baghdad - Baghdad**

### **Bachelor's in veterinary**

➤ BC. Degree in Veterinary medicine and surgery 2000. Achieved the first place in my graduation and first place nationally (entire Iraq) among the Veterinary Medicine College graduates.

### **❖ Skills and Expert:**

#### **➤ Lab skills**

- In vitro T-Cell Culture.
- Isolation of human PBMCs cell Technique and sorting.
- Gel Electrophoresis.
- Western Blot Analysis.
- Cloning, Flow Cytometry.
- Cell Signaling.
- Primary Cell Isolation and Culture.
- Cell Proliferation and Cellular Biology.
- Animal Cell Isolation and Culture
- PBMC Isolation
- Cell Freezing Technique
- Cell defrost
- Deal with lab animals
- Isolated organs from lab animals
- Prepare medical prescription in the labs.
- I got experience certificate in treat and deal with Radioactive materials in the lab for thiamine and acrylamide.

### **Academic Skills**

➤ **Lecturer in**

- Academic lecturer in molecular pharmacology.
  - Academic lecturer in Toxicology.
  - Academic lecturer in Biochemistry.
  - Academic lecturer in basic science.
  - Academic lecturer in seminars methods.
  - Academic lecturer in immunology and biology science.
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- ❖ Lecturer in University of Al Qadisiyah / College of Veterinary Medicine/ pharmacology, toxicology and biochemistry department (practical and theoretical)
  - ❖ Lecturer in Dentistry College / Basic science department/ Pharmacology University of Al Qadisiyah (practical and theoretical)
  - ❖ 2000-still lecturer in University of Al Qadisiyah / College of Veterinary Medicine/ Pharmacology, Toxicology and Biochemistry department and College of Dentistry / Basic science department/ Pharmacology .
  - ❖ Research Experiments (during the PhD study) in University of Liverpool / Faculty of Health and Life Science / School of Medicine / MRC Center for Drug Safety Science / Molecular & Clinical Pharmacology / Institute of Translational Medicine (2014 - 2019). Six years' experience in deal with human cells and effects of different drugs on human immune system and experience in determined the hypersensitivity for drugs.
  - ❖ Three years' experience in deal with different laboratory animals during the master study in University of Baghdad.
  - ❖ One years' experience in Veterinary Hospital (medical practitioner).

## **Conferences Attended:**

- 7th Drug Hypersensitivity Meeting (DHM 2016) in Malaga, Spain. The Meeting location is Barceló and Malaga City. It was where Chemistry, Life Science, Biology and Molecular Biology pros assemble to examine perceptions and theories to advance insight for Biology, Chemistry, Molecular Biology and Drug Hypersensitivity matters. 7th Drug Hypersensitivity Meeting is a biennial Meeting. The association of the DHM 2016 is European Academy of Allergy and Clinical Immunology.

- DHM 2018 (Drug Hypersensitivity Meeting), Amsterdam, the Netherlands 19-Apr-18 to 21-Apr-18. RAI Amsterdam / Amsterdam / Netherlands Healthcare & Pharmaceuticals Conferences & Trade Fair.
- Liverpool National Research Conference. 14<sup>th</sup> April 2018. **I got the first place for Best Oral Presentation.**

Attended many local, national and international online conferences in the last 3 years including

- Conference about Role of Artificial Intelligence in Education and Pandemic Diseases Control (COVID-19)
- The third international (virtual) science conference of medical sciences (IVSCMS) 2021

### **Publications:**

1. Dapsone- and nitroso dapsone-specific activation of T cells from hypersensitive patients expressing the risk allele HLA-B\*13:01. Qing Zhao, Khetam Alhilali Abdulaziz Alzahrani Mubarak Almutairi Juwaria Amjad Hong Liu Yonghu Sun Lele Sun Huimin Zhang Xiaoli Meng Andrew Gibson Monday O. Ogese.
2. Characterization of Healthy Donor-Derived T-Cell Responses Specific to Telaprevir Diastereomers Khetam Ali Alhilali, Zaid Al-Attar, Andrew Gibson, Arun Tailor, Xiaoli Meng, Mario Monshouwer, Jan Snoeys, B Kevin Park, Dean J Naisbitt. Toxicological Sciences, Volume 168, Issue 2, April 2019, Pages 597–609, <https://doi.org/10.1093/toxsci/kfz007>.

3. Proteolytic versus surgical removal: the therapeutic effect of fig tree latex (*Ficus carica* L) on cutaneous and diphtheric forms of avian pox in pigeons (*Columba domestica*).
4. Study of local licorice extract effect (Leaves and Roots) on the growth of number of bacteria in vitro.
5. Effect of sesame (*Sesamum indicum* L.) consumption on glycemic control in patients with type 2 diabetes: A systematic review and meta-analysis of randomized controlled trials. Andrés Alexis Ramírez-Coronel et al. *Phytother Res.* 2023.
6. Hapten-Based Vaccination as an Innovative Therapeutic Approach for Drug Addiction. Mariwan Husni<sup>1,2\*</sup>, Khetam Alhilali<sup>3</sup> and Sulaiman Al-Khadhari<sup>4</sup>.

**\*\* Online presentation (workshop): Adverse Drug Reaction and the role of T-cell in Hypersensitivity for Drugs.**  
The Technique of isolation and create Specific T-cell clones for drugs.