

# CV- Dr.Mohammed A.Al-Askeri

**Dr.Mohammed Abduwhab Ati Al-Askeri**

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**Address: Al-Qadisiyah, Iraq**

## Profile

I am a competent molecular biology researcher with a PhD; my field of research is molecular biology of infectious diseases in Iraq , DNA manipulation, mutagenesis and molecular biology of cancer.

## Education

**PhD of Biotechnology, Al-Naharin University, Baghdad, Iraq**

**2002-2007**

I have been awarded a PhD degree of biotechnology in 2007 with specialization in molecular biology.

Dissertation's title: Genetic and biochemical study of alpha-amylase produced by *Bacillus stearothermophilus* M13 isolated from soil.

Field of research: Bioseparation, purification and characterization of alpha-Amylase, cloning of alpha-Amylase gene into *E.coli* , molecular biology and microbiological techniques.

During my preparatory study for PhD I have studied many practical and theoretical courses such as natural products, molecular epidemiology, epigenetic, molecular biology, advanced immunology, DNA markers, advanced genetic engineering, advanced Microbiology, hybridoma, environmental microbiology and advanced microbiology.

**Master of biotechnology, Baghdad university, Baghdad, Iraq**

**1999-2002**

I have been awarded a master degree of biotechnology in 2002 with specialization in biochemistry and cytogenetics.

Thesis's title: Cytogenetic and biochemical study of patients with Lymphoma.

Field of research: cytogenetics , karyotyping, tumour markers ( enzymatic markers). During my research I practiced many techniques such as cytogenetic and biochemical analysis of patients using peripheral blood samples.

Under my M.Sc. study I studied many theoretical and practical courses such as: molecular genetics, biotechnology, biochemistry, molecular biology, enzymology, plant tissue techniques and genetic toxicology.

## **Bachelor's degree of Biology**

**1995-1999**

I have been awarded a Bachelor's degree of Biology in 1999.

During my study, I studied many theoretical and practical courses such as: analytic and organic chemistry, plant anatomy, invertebrates, cell biology, ecology and pollution, chordates, animal physiology, entomology, cell and genetics, fungi, plant taxonomy, biochemistry, histology and embryology, algae, microbiology and immunology, plant physiology and parasitology.

## **Work experience**

### **Researcher at Sahlgrenska University Hospital, Göteborg**

**2010-2011**

It was done at the ward of gene analysis and cytogenetics in which I have practiced most of the up to date- molecular biology techniques that are used in diagnosis of different types of cancer and other genetic disorders at one or more base-pair diversity.

Determining the genotyping of multidrug resistance genes and other diseases, using of qPCR to estimate the minimal residual disease (MRD) of patients with cancer.

About the cytogenetic diagnosis, I have practiced classical Gimsa-karyotyping, FISH, SKY and a little bit about Affymetrix/SNPs-NEXUS software

### **Researcher at department of Molecular Biology, KTH, Stockholm**

**2009-2010**

Researching in two projects;

1. Directed evolution of biotechnologically relevant proteases: Solubility/activity engineering of tobacco etch virus (TEV) protease through a combination of rational design and combinatorial protein chemistry, includes gene cloning and manipulation, protein purification, western blotting, PCR techniques, gene library, DNA sequencing, site directed mutagenesis, random mutagenesis, screening and selection methods, design of recombinant processes(promoters, vectors, host cells, gene functions,...).
2. Adjustment of low-temperature chaperonin (alpha and beta subunits) system through gene manipulation.

### **Lecturer at Al-Qadisiyha University, College of Science, AD Diwaniyha, Iraq Molecular biology, Genetics and Genetic Engineering for undergraduates**

**2003-2007**

## **Skills**

### **Languages**

English: speaking, reading and writing fluently

Swedish: speaking, reading and writing fairly well

Arabic: native

## Computing knowledge

MS Office, Windows, AutoCAD, SPSS, Nexus, Vector NTI software.

## Publications

1. Ferdous A. Jabir, Mohammed Ati Al-Askeri And Watheq Jaber .(2017)II-18 Gene Polymorphism And Some Risk Factors In Iraqi Patients With Breast Cancer. **Asian Journal of Pharmaceutical and Clinical Research**(.2017)Vol 10 Issue 1.
2. Ferdous A. Jabir, Watheq Jaber and Mohammed AbdulwahabAti Al-Askeri . FASL Gene Polymorphism with Oxidative Stress of Iraqi Females with Breast Cancer(2016). International Journal of PharmTech Research.Vol.9.No.11.
3. Ferdous A. Jabir, Mohammed AbdulwahabAti Al-Askeri And Watheq Jaber. Genetic Polymorphism in Iraqi Females Diagnosed with Breast Cancer Using Random Amplification of Polymorphic DNA Technique Cancer(2016). International Journal of PharmTech Research.Vol.9.No.11.
4. Biodegradation Of The Herbicide Glyphosate By *Aspergillus niger* AND *Penicillium italicum*.(2005)Al-Qadisiyha j.of Pure Science.10,2005p(149-158).
5. Kostallas G, Sandersjö L, Al-Askeri M and Samuelson P(2011) Construction ,expression and characterization of TEV protease mutants engineered for improved solubility. Manuscript will be published soon. <http://kth.diva-portal.org/smash/record.jsf?pid=diva2:416059>

## Courses

- **Cultural communication, Sweden** 2008
- **Swedish natural life (Flora and Fauna)** 2008
- **Environmental education** 2008
- **Web-design** 2011
- **Project leading** 2011
- **Utländska tekniker och ingenjörer(UTI), Yrkeshögskolan Göteborg** 2011 -2012
- **Global CRDF Best Practices in Laboratory Management Workshop – Prague, Czech Republic** September 21 – September 24, 2015
- **Risk Assessment for Universities, Kuala Lumpur, Malaysia, hosed by hosted by Sandia National Laboratories in cooperation with the US Department of State. 28 Feb-2 March 2016**
- **Iraq Remote Training program** June 15 2016- Dec 27, 2016