

## السيرة الذاتية



الاسم الكامل: د. سيف داود الأحمر

التخصص العام: هندسة وراثية وتقنيات إحيائية

التخصص الدقيق: وراثية أحياء مجهرية/ فايروسات

الوظيفة: عميد معهد الهندسة الوراثية والتقنيات الإحيائية للدراسات العليا

الدرجة العلمية: أستاذ مساعد

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عنوان العمل: معهد الهندسة الوراثية والتقنيات الإحيائية للدراسات العليا / جامعة بغداد

### - Educational qualification:

Degree	Department/ College or Institute	University/ Country	Date
B.Sc. in Biology	Dep. of Biology/ College of Science	University of Baghdad/ Iraq	1995
M.Sc. in Genetic Engineering and Biotechnology	Dep. of Biotechnology/ College of Science	University of Baghdad/ Iraq	2001
Ph.D. in Genetic Engineering and Biotechnology	-Institute of Genetic Engineering and Biotechnology for Post Graduate Studies. - Dep. of Microbiology/ Faculty of Science	University of Baghdad/ Iraq Mahidol University/ Thailand	2010

**- Personal thesis:**

<b>Title of Master Thesis</b>	<b>University/ Country</b>	<b>Date</b>
Molecular and Biochemical Study of Binding Ability of Congo Red dye with Some Genus of <i>Enterobacteracea</i>	University of Baghdad / Iraq	2001
<b>Title of Ph.D. Thesis</b>	<b>University/ Country</b>	<b>Date</b>
Molecular and Phenotypic Study for Substitution Mutation in Neuraminidase (NA) Gene of Avian Influenza (H5N1) Virus.	University of Baghdad/ Iraq Mahidol University/ Thailand	2010

**- Careers:**

<b>No.</b>	<b>Career</b>	<b>Workplace</b>	<b>Date</b>
1	Assistant Lecturer	Department of Genetic Engineering/ Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad	2002-2004
2	Assistant of Department Chairperson	=	2004-2006
3	Scientific Research Counsel	Department of Microbiology/ Center of Researches and Drugs Production/ Ministry of Industry	2006-2007
4	Lecturer	Department of Genetic Engineering/ Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad	2010-2012
5	Head of Unit	Unit of fingerprinting/ Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad	2012-2014
6	Assistant of Head of Department	Department of Biotechnology/ Institute of Genetic Engineering and Biotechnology for post graduate studies/ University of Baghdad	2014-2015
7	Lecturer	=	2015-2016
8	Assistant Professor	=	2016-2017

**- Teaching courses:**

No.	Subject	Workplace	Date
1	Practical molecular biology	Institute of Genetic Engineering and Biotechnology for post graduate studies/ Baghdad University/ Iraq	2003-2005
2	Practical microbial techniques	=	2005-2007
3	Genetic engineering	=	2011-2012
4	Microbial genetic	=	2012-2013
5	Molecular biology of viruses	=	2014-2020
6	English language	=	2014-2020
7	Plasmids and mobile factors	=	2016-2017
8	Advanced genetic engineering	=	2017-2020

**- Supervised thesis:**

No.	Title of High Diploma Report	Workplace	Date
1	The Microbial Causatives of Abortion in Pregnant Women	Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad	2012
2	Clinical and Molecular Factors Affecting on Periodontal Diseases	=	2013
3	The Genetic and Clinical Aspects of Human Prion Diseases	=	2013
4	Study of H1N1 Virus Role in The Epidemics of Influenza Viruses	=	2013
5	Molecular Study of Allelic Frequencies In Y-Chromosome of Arab Iraqi Males	=	2014

6	The Genetic and Clinical Aspects of Human Tuberculosis Disease	=	2014
7	The Genetic and Clinical Aspects of Parkinson's Disease and its Treatment by Stem Cells	=	2014
8	Determination of Viral Load and Genotype in Chronic Infected Patients with Hepatitis C Virus	=	2015
9	The Clinical and Genetic Aspects of Kawasaki Disease	=	2015
10	The Genetic and Clinical Aspects of Parkinson's Disease and its Treatment by Stem Cells	=	2015
11	Study of ABO and Rh blood groups Association with type 2 Diabetes Mellitus Patients	=	2016
12	Study the Impact of Zika Virus in Some Human Neurological Disorders	=	2018
13	Association of Bocavirus with Different Human Infections	=	2018
14	The Serious Effects of Rubella Virus Infection in Pregnant Women	=	2019
<b>No.</b>	<b>Title of Master Thesis</b>	<b>Workplace</b>	<b>Date</b>
1	Molecular Detection of Some Adhesin Virulence Genes of <i>Candida albicans</i> Isolated from Groups of Iraqi Patients	Department of Microbiology/ College of Medicine/ Al-Nahrain University  Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad	2014
2	Comparative Study Between Conventional and Conventional Detection methods for <i>Pantoea agglomerans</i> isolated from patients.	Institute of Genetic Engineering and Biotechnology for post graduate studies/ Baghdad University	2015
3	PCR detection of <i>Candida species</i> isolated from women with clinical diagnosis of vulvovaginitis	=	2015

4	Preparation of Hybrid Nanoantibiotic and Determination its Inhibition Activity Against <i>E. coli</i> that Causes Urinary Tract Infection of Patients in Sacred Karbala city	=	2016
5	Detection of <i>Helicobacter pylori</i> in stomach ulcer disease	Dept. of Biology/ College of Science/ Baghdad University/ Iraq  Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad	2016
6	Molecular Identification of Staphylococcus Species Isolated from Infected Patients with Sinusitis and Detection of blaZ gene by RT-PCR	Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad	2017
7	Immunological and Molecular Detection of Herpes Simplex Virus Type 1 and 2 in Patients with Some Neurological Diseases	Dept. of Biology/ College of Science/ Baghdad University/ Iraq  Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad	2018
8	Molecular and Immunological Study on Some Bacterial Causes of Pediatric Meningitis	Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad  Department of Biochemical Technology/University of Technology	2018
9	Detection of some enteric viruses in children hospitalized for acute gastroenteritis in Baghdad city	Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad	2019
10	Molecular and Immunological Investigation of Rubella Virus Isolated from Aborted Women	=	2020
No.	Title of Ph.D. Thesis	Workplace	Date
1	Molecular study on virulence factor (lipase) of <i>Malassezia furfur</i> isolated from different skin diseases and healthy control	Department of Biology/ College of Science/ University of Baghdad  Institute of Genetic Engineering and	2015

		Biotechnology for Post Graduate Studies/ University of Baghdad	
2	Genetic Variations Associated with the Infection of Women with Cervical Uterus Abnormalities by Herpes Simplex Virus Type 2 and Cytomegalovirus	Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad	2019

**- Conferences and symposiums:**

No.	Conference Title	Date	Place	Type of Participation
1	International Scientific Conference	1999	Bahrain	Researcher
2	Second international scientific conference for institute of Genetic Engineering and Biotechnology for post graduate studies	2011	Iraq	Attending
3	Third international scientific conference for institute of Genetic Engineering and Biotechnology for post graduate studies	2014	Iraq	Attending
4	Fourth scientific conference of national center for researches and treatment of blood diseases	2015	Iraq	Attending
5	Symposium of molecular study of different ethnic human population	2013	Iraq	Attending
6	Symposium of applications of fingerprinting in forensic medicine	2014		Assistant of chairperson
7	Symposium of Baghdad as a capital of education	2014	Iraq	Researcher
8	Symposium of molecular methods applications in detection of genetic diseases	2014	Iraq	Researcher

9	First international scientific conference for medical science	2016	Iraq	Researcher
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**- Scientific activities:**

<b>Scientific Activities inside and outside the Institute</b>	
Member of examining committee of many Ph.D., M.Sc. and High Diploma students in the Institute of Genetic Engineering and Biotechnology for Post Graduate Studies/ University of Baghdad	
Member of examining committee of many Ph.D. and M.Sc. students in the Iraqi Universities	
Member of many scientific committees of many Ph.D. and M.Sc. students in the Institute of Genetic Engineering and Biotechnology for Post Graduate Studies and Iraqi Universities	
Member of editorial board of Iraqi Journal of Biotechnology of the Institute of Genetic Engineering and Biotechnology for Post Graduate Studies	

**- Research experiences:**

<b>Research experiences</b>	
Major microbial techniques for bacterial isolation and characterization	
Chromosomal and plasmids DNA isolation and purification using different methods and kits	
Basic genetic techniques like conjugation, transformation, mutagenesis and plasmid curing	
Protein purification and characterization by gel filtration and ion exchange	
Protein estimation and characterization by gel electrophoresis	
Some basic immunological techniques	
Techniques of viral isolation and propagation inside level three laboratories (L3 Lab.)	
Molecular techniques for study of viral gene mutations or viral pathogenicity like reverse genetic system and Bac-to-Bac system	
Techniques of viral genes cloning into cloning vectors for DNA sequencing	

Some of bioinformatics programs for analysis of DNA sequencing data

Primer designing programs and primer testing programs

**- Published scientific papers and review:**

No.	Research Title	Journal of Publication	Date
1	Ali Abdulkadhm Al-Ganimi; Aziz Yasir Al-Ethari and Saife Dawood Al-Ahmer (2007). Effect of cultural conditions on the production of glucoamylase from <i>Aspergillus ustus</i>	Journal of Kerbala University 5(2): 61-86.	2007
2	Alaa A. Al-Daamy, Saife D. Al-Ahmer, Noor I. Al-Baiyati (2015). Extraction of some active substances from propolis and studying its inhibition activity against <i>Candida albicans</i> isolated from patients	International Journal of Current Research 7 (1): 11559-11563.	2015
3	Aysha Saber Ali; Azhar A.F. Al-Attraqhchi and Saife Dawood Al-Ahmer (2015). Molecular detection of ALS1 virulence gene of <i>Candida albicans</i> isolated from groups of Iraqi patients	J. Fac. Med. Baghdad. 57(1): 79-80.	2015
4	Saife Dawood Al-Ahmer	International Journal of Current Research. 7 (1): 11852-11857.	2015
5	Israa H. Al-Shrufi, Saife Dawood Al-Ahmer Khiaria J. Tothli and Noor I. Al-Baiyati (2015).	International Journal of Current Research. 7(10): 20936-20940.	2015
6	Abbas M. Al-Ammari, Saife D. Al-Ahmer, Azhar A.F. Al-Attraqhchi, Noor I. Al-Baiyati (2016). Comparative Study Between Molecular and Conventional Detection Methods of <i>Malassezia furfur</i> Isolated from Iraqi Psoriatic Patients	International Journal of Current Research. 7(10): 20936-20940.	2016
7	Neamat A. Al-Baiyati, Saife D. Al-Ahmer, Noor I. Al-Baiyati (2016). Rapid	International Journal of Current Research. 7(10): 20936-20940.	2016

	Identification of Non- <i>Candida albicans</i> <i>Candida</i> (NCAC) Species Isolated from Female Patients Clinically Diagnosed with Vulvovaginitis by Using Multiplex PCR		
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**- Appreciation:**

<b>No.</b>	<b>Certificate</b>	<b>Donor</b>	<b>Date</b>
1	Appreciation	Dean of Institute of Genetic Engineering and Biotechnology for Post Graduate Studies	2004
2	Appreciation	Dean of Institute of Genetic Engineering and Biotechnology for Post Graduate Studies	2011
3	Appreciation	Dean of Institute of Genetic Engineering and Biotechnology for Post Graduate Studies	2014
4	Appreciation	President of University of Baghdad	2016