

**Ministry of Higher Education & Scientific Research
Middle Technical University
Technical Engineering College-Baghdad
CURRICULUM VITAE**



1- Personal Information:

Full Name: **Salman Hussein Abbas**

Nationality: **Iraqi**

Gender: **Male**

Marital State: **Married**

Permanent Address: **Iraq/Baghdad/Ur City/Sec.325/St.95 /No.5**

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Language: **Arabic, English**

2- Academic Qualification:

<i>Degree</i>	<i>General Field</i>	<i>Field of Specialization</i>	<i>College</i>	<i>University</i>	<i>Country</i>	<i>Date of Degree Awarded</i>
<i>B.Sc.</i>	Chemical Eng.	Desalination of Sea Water	Engineering College-Baghdad	Baghdad	Iraq	6/1983
<i>M.Sc.</i>	Chemical Eng.	Heat Transfer Dynamics in Fluidized –Bed Systems	Engineering College-Baghdad	Baghdad	Iraq	1/1989
<i>Ph.D.</i>	Chemical Eng.	Wastewater Treatment	Faculty of Engineering-Cairo	Cairo	E/gypt	12/2014

Title of B.Sc. Project: ***Desalination Plant Design (Removal of Salts from Seawater)***

Title of M.Sc. Thesis: ***Heat Transfer Dynamics of Gas-Fluidized Beds***

Title of Ph.D. Thesis: ***Biosorption of Different Heavy Metals from Wastewater Using New Fungi Waste Material***

3- Occupational Post:

<i>Establishment</i>	<i>Academic Title</i>	<i>Date of Commencement</i>
Military of defense (Project 42 Factory) ,Electroplating Department, Taje, Baghdad	<i>Asst. Engineer/ Manager of Electroplating Department</i>	1984-1985
Iraqi Atomic Energy Committee -Baghdad	<i>Engineer/ Manager of Quality Control Laboratory for Powder Technology/ Department of Material Technology</i>	1985-1990
Iraqi Atomic Energy Committee -Baghdad	<i>Engineer/Department of Water treatment Technology</i>	1990 - 1993
Special Works	<i>Manager of Factory for Making Soaps & Detergents</i>	1993 - 1996
The high institute for mechanical professions, Tripoli/Libya	<i>Lecturer/ Chemical Eng. Dept.</i>	1997-1999
College of Engineering/7th April University, Alzawia City /Libya	<i>Lecturer/ Chemical Eng. Dept.</i>	1999-2001
Technical Engineering College-Baghdad	<i>Secretary Consol of Glass & Ceramic Eng. Dept.</i>	2004-2007
Technical Engineering College-Baghdad	<i>Secretary Consol of Material Eng. Dept.</i>	2008-2011
Technical Engineering College-Baghdad	<i>Material Eng. Dept. Assist. Prof.</i>	2011- Till Now

4- Scientific Activities

4-1 Conferences:

<i>Conference Title</i>	<i>Place & Date</i>	<i>Nature of Participation</i>
Management of Environmental Wastes	<i>Cairo University/Egypt 25-28/ 3/ 2013</i>	Set of Lectures
First international scientific conference for engineering researches	<i>Middle Technical University/Iraq 1-2/3/2017</i>	Member

4-2 Symposia & seminars:

<i>Title of Symposia & Seminars</i>	<i>Place & Date</i>	<i>Nature of Participation</i>
The Symposia of Curriculums Development for Chemical Eng. Dept.	<i>Engineering College/Baghdad 12/5/2008</i>	Scientific Suggestions
Hazards of Nanoparticles	<i>Technical College/Baghdad 14 / 3 / 2010</i>	Present Show Lecture
Catalysts and Its Uses	<i>Engineering College/Baghdad</i>	Present Show Lecture

	15/4/2014	
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4-3 Books & Studies:

<i>Title of Books</i>	<i>Place & Date</i>	<i>Nature of Participation</i>
Boilers & Heat exchangers	Ministry of Education and Professional training , 1999	Textbook for High Engineering Schools
Water Pollution in Iraq, Reasons, Solutions and Environmental Effect	Ministry of Health&Environment , 2018	Study about wastewater treatment in Iraq

4-4 Training Courses:

<i>Title of Training Course</i>	<i>Place & Date</i>	<i>Nature of Participation</i>
Powder Technology, Manufacturing, Uses, Hazards	<i>University of Technology/Minerals & Production Dept. 12-15/3/1986</i>	Present Lectures
Teaching IBM-PC Computers	<i>Occupational Al- Mansour Institute/Baghdad 1/10/1999 – 1/11/1999</i>	Trainer
English Language Test (Postgraduate Studies)	<i>University of Baghdad/ College of Education for Women Fifth Center for the Foreign Language Test 19 / 6 / 2004</i>	Enrollment
Advanced Course for Teaching Computer (Postgraduate Studies)	<i>Al-Mustansiria University / College of Economics & Administration Computer Unit 2/1/2005 – 20/ 1/ 2005</i>	Present Lectures Practical Training
Teaching Competencies	<i>Foundation of Technical Education/Staff Development Center 2-26 / 10 / 2005</i>	Trainer
Occupational Safety	<i>Tenth of October high Institute / Cairo/Egypt GTZ Program 18/1/2009 – 2/2/2009</i>	Trainer
New Methods used for fuel Production in Oil refineries	<i>Institute of Technology/Baghdad 5-7/10/2015</i>	Present Lecture

4-5 Curriculums Taught:

<i>subjects</i>	<i>Study/Course/Department/College/University</i>	<i>Date From - To</i>
Basic Principles for Chem. Eng.	<i>Second/Chem. Eng./High Institute/Libya</i>	1997-1999
Heat Transfer	<i>Third/ Chem. Eng./High Institute/Libya</i>	1997-1999
Unit Operation	<i>Fourth/Chem. Eng./ Eng. College, Sebrata/7th April University, Alzawia City /Libya</i>	1998-2000
Pollution Engineering	<i>Third/ Chem. Eng./ Eng. College, Sebrata/7th April University, Alzawia City /Libya</i>	1998-2001
Mathematical Models	<i>Third/ Chem. Eng./ Eng. College, Sebrata/7th April University, Alzawia City /Libya</i>	1999-2001
Powder Technology	<i>Second/Glass& Ceramic /Technical College/FTE</i>	2004-2006
Glazes	<i>Fourth/Glass& Ceramic /Technical College/FTE</i>	2004-2007
Plowing Engineering	<i>Third/ Glass& Ceramic /Technical College/FTE</i>	2006-2007
Physics of Materials	<i>First/ Glass& Ceramic / Technical College/FTE</i>	2005-2007
Mathematics 1	<i>First/ All Departments / Technical College/FTE</i>	2004-2011
Mechanics (Theory)	<i>First/ Tools & Dies / Technical College/FTE</i>	2007-2008
Physics of Materials	<i>First/ Materials Dept./ Technical College/FTE</i>	2008-2010
Fluid Mechanics	<i>Second/ Materials Dept./ Technical College/FTE</i>	2009- 2010
Heat & Mass Transfer	<i>Third/ Materials Dept./ Technical College/FTE</i>	2010 - 2011
Heat & Mass Transfer	<i>Third/ Materials Eng. Dept./ Technical Eng. College/ Middle Technical University/Baghdad</i>	2015 – 2016
Fluid Mechanics	<i>Third/Materials Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2015-2016
Composite Materials	<i>Fourth/Materials Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2015-2016
Eng. Analysis (Advanced Applied Mathematics)	<i>Third/Chem. Eng. Dept./ Eng. College/University of Baghdad</i>	2015-2016
Mathematics 1	<i>First/All Dept./ Technical Eng. College/Middle Technical University/Baghdad</i>	2015-2016
Eng. Analysis (Advanced Applied Mathematics)	<i>Third/Chem. Eng. Dept./ Eng. College/University of Baghdad</i>	2016-2017
Mathematics 1	<i>First/All Dept./ Technical Eng. College/Middle Technical University/Baghdad</i>	2016-2017
Fluid Mechanics	<i>Third/Materials Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2016-2017
Mathematics 1	<i>First/All Dept./ Technical Eng. College/Middle Technical University/Baghdad</i>	2017-2018
Fluid Mechanics	<i>Third/Materials Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2017-2018
Eng. Analysis (Advanced Applied Mathematics)	<i>Third/Materials Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2018-2019
Eng. Analysis (Advanced Applied Mathematics)s	<i>Third/Surveying Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2018-2019

Eng. Analysis & Numerical Methods	<i>MSc /Materials Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2018-2019
Eng. Analysis & Numerical Methods	<i>MSc /Materials Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2019-2020
Eng. Analysis & Numerical Methods	<i>Third/Materials Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2019-2020
Eng. Analysis & Numerical Methods	<i>Third/surveying Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2019-2020
Eng. Analysis & Numerical Methods	<i>MSc /Materials Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2020-2021
Eng. Analysis & Numerical Methods	<i>Third/Materials Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2020-2021
Eng. Analysis & Numerical Methods	<i>Third/surveying Eng. Dept./Technical Eng. College/Middle Technical University/Baghdad</i>	2020-2021

4-6 Published Research Papers:

<i>N o.</i>	<i>Title of Research Paper</i>	<i>Place of Publication</i>	<i>Date of Publication</i>
1	<i>The influence of Air Flowrates and electrical Currents on heat transfer through Metal Foam Porous Media</i>	<i>Al-Taqani Journal(Iraq)</i>	2011, Vol. 24, No. 8,
2	<i>A Comparative Experimental and Theoretical of Removal Pb (II) and Cd (II) from Wastewater Using Different Adsorbents</i>	<i>International Journal of Chemical and Environmental Engineering(Malaysia)</i>	2014, Volume 5, No.4
3	<i>Biosorption of Heavy Metals: A Review</i>	<i>Journal of Chemical Science and Technology(Hong Kong)</i>	. 2014, Vol. 3 Iss. 4, PP. 74-102
4	<i>Equilibrium and kinetic studies of adsorption/biosorption of Cu+2 and Co+2 ions from aqueous solution by different adsorbents</i>	<i>Journal of Chemical and Pharmaceutical Research (India)</i>	2014, 6(10):613-627
5	<i>Breakthrough curves for adsorption/biosorption of Pb(II), Cu(II), Cd(II) and Co(II) ions from wastewater using granular activated carbon/fungal waste biomass: A comparative study</i>	<i>Journal of Chemical and Pharmaceutical Research(India)</i>	2015, 7(4):615-6
6	<i>Construction and operation of solar energy dish for water heating</i>	<i>Baghdad Science Journal(Iraq)</i>	2017, Vol. 14, No. 4
7	<i>Evaluation of biomass type blue Cyanophyta algae for the sorption of Cr(III), Zn(II) and Ni(II) from aqueous solution using batch operation system: Equilibrium, kinetic and thermodynamic studies</i>	<i>Global NEST Journal (Greece)</i>	2018, Vol. 20, No. 1

8	<i>Biosorption of methylene blue from aqueous solution using wastes mycelium of fungal biomass type white rot fungi</i>	<i>Journal of Engineering and Sustainable Development(Iraq)</i>	2018, Vol.22, No. 4,
9	ADSORPTION OF METHYL VIOLET 2B DYE FROM AQUEOUS SOLUTIONS ONTO WASTE OF BANANA PEEL USING FIXED-BED COLUMN	<i>International Journal of Civil Engineering and Technology(India)</i>	2018, Vol. 9, No. 9
10	<i>Isotherm and Kinetic Models for Bio-sorption of Cadmium Ions from Aqueous Solutions using Dry Peanut Shells and Hazelnut Shells</i>	<i>Revista De Chimie(Romania)</i>	2018, Vol. 69, No. 10
11	<i>Electrocoagulation technique used to treat wastewater: A review</i>	<i>American Journal of Engineering Research(USA)</i>	2018, Vol.7, No. 10
12	<i>Isotherm and Kinetic Models for Bio-sorption of Cadmium Ions from Aqueous Solutions using Dry Peanut Shells and Hazelnut Shells</i>	<i>REvesta De-CHIM journal.(Bucharest)</i>	2018 , Vol69 , No. 10
13	<i>Utilization of Waste of Enzymes Biomass as Biosorbent for the Removal of Dyes from Aqueous Solution in Batch and Fluidized Bed Column</i>	<i>REvesta De-CHIM journal.(Bucharest)</i>	2020 , Vol71 , No. 1
14	<i>Comparison of an Artificial Neural Network and a Multiple Linear Regression in Predicting the Heat of Combustion of Diesel Fuel Based on Hydrocarbon Groups</i>	<i>REvesta De-CHIM journal.(Bucharest)</i>	2020, ,Vol71, No. (6), 66-74
15	<i>Fabrication of epoxy composite material reinforced with bamboo fibers</i>	<i>Journal of Applied Engineering Science</i>	2020
16	<i>Optimization of Methylene Blue Dye Removal Efficiency from Wastewater by Electrocoagulation Process Using Response Surface Methodology</i>	<i>Sent to journal</i>	2021 Under published
17	<i>Effect of the metal electrode type on the efficiency by removing several types of dyes from wastewater using electrocoagulation method</i>	<i>Sent to journal</i>	2021 Under published
18	<i>Removal of Methyl Orange Dye from Simulated Wastewater by Electrocoagulation Technique Using Taguchi Approach</i>	<i>Sent to journal</i>	2021 Under published
19	<i>Removal of Methyl Orange Dye from Aqueous Solutions Using Granular Activated Carbon and Waste of Fungi (Agaricus bisporus) as</i>	<i>Sent to journal</i>	2021 Under published

	<i>Adsorbent/Biosorbent Material: A Comparison Study</i>		d
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4-6 Supervisor for Post graduate students:

<i>No.</i>	<i>Title of thesis</i>	<i>Name of studen</i>	<i>Degree</i>	<i>year</i>
<u>1</u>	<i>Investigation of adsorption/biosorption and degradation of Methyl Orange removal from aqueous solution</i>	<i>Marwa Kareem Qaseem</i>	<i>M Sc</i>	<i>2018</i>
<u>2</u>	<i>Production of Biodiesel fuel from waste of cooking oils</i>	<i>Fatma Hassan Ali</i>	<i>M Sc</i>	<i>2019</i>
<u>3</u>	<i>Response surface methodology of dyes from simulated wastewater using adsorption process on (Cement Kiln Dust/granular Activated Carbon): A comparison study</i>	<u><i>Mohammad Qassem</i></u>	<i>M Sc</i>	<i>2020</i>
<u>4</u>	<i>A modern trends for removing of dyes from textile wastewater by electrocoagulation method using pure Fe, Al and composite TiO₂/Al electrodes material</i>	<u><i>Mazon Sami</i></u>	<i>M Sc</i>	<i>2020</i>

4-7 Reciewers for theses & papers:

Large number of papers and theses has been reviewed inside & outside Iraq

4-8 Reciewers for theses & papers:

Number of postgraduate theses has been discussed as amember committee for discussion