



CURRICULUM VITAE

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General Specialization: Chemical Engineering

Specific Specialization: Transport Phenomena

Scientific Degree: Associate Professor Doctor

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■ First: Scientific Certification:

No.	Certificate	Country	University	College	Date
1	B.Sc.	Iraq	University of Baghdad	College of Engineering	1986
2	M.Sc.	Iraq	University of Baghdad	College of Engineering	1995
3	Ph.D.	Malaysia	Universti Kebangsaan Malaysia (UKM)	Faculty of Engineering and Built Environment	2015



■ Second: University Teaching:

No.	Faculty	University	Dated (from – to)
1	Al-Khwarizmi College of Engineering	University of Baghdad	2006-till now
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■ Third: Thesis Supervised By:

No.	Research Title	Branch	M.Sc. / PhD.	Year
1	Removal of Heavy Metals from Wastewater by Activated Carbon Developed from Phytophagous and Zoological Source	Al-Khwarizmi College of Engineering	M.Sc.	2019
2	Removal of Organic pollutants by Adsorption on Activated Carbon Prepared from Alhaji Maurorun	Al-Khwarizmi College of Engineering	M.Sc.	2020
3	Development of Heat Transfer Enhancement for Helical Microtube Heat Exchanger Using Compound Technique	Al-Khwarizmi College of Engineering	PhD	2020
4	Removal of Pharmaceutical Compounds from Aqueous Solution using Conocarpus Activated Carbon-Nano Particles Metal Oxide	Al-Khwarizmi College of Engineering	M.Sc.	2021
5	Removal of Malachite green from aqueous solution by Microwave Ficus Benjamina Activated Carbon	Al-Khwarizmi College of Engineering	M.Sc.	2022



Fourth: Conferences Participated In:

No.	Conference Title	Year	Place	Participation Type
1	First conference of Al-Khwarizmi College of Engineering	2008	Al-Khwarizmi College of Engineering	Attending
2	Symposium on “Sober scientific research contributes to building Iraq”	2008	College of Engineering/ University of Baghdad	Attending
3	Symposium on “Depleted Uranium”	2008	Al-Khwarizmi College of Engineering	Attending
4	Symposium on “influenza of pigs”	2009	Al-Khwarizmi College of Engineering	Attending
5	Symposium on “leading role of young researchers in the construction and rebuilding of Iraq”	2009	Al-Khwarizmi College of Engineering	Attending
6	Symposium on “Scientific Research shortest ways to promote”	2009	Institute of Genetic Engineering / University of Baghdad	Attending
7	Symposium on “Optimal use of chemical substances and the role of higher education in the protection of Human and the environment”	2010	Ministry of Higher Education and Scientific Research	Attending
8	International Conference on Engineering and Built Environment (ICEBE 2012)	2012	Selangor/Malaysia	Papers
9	2nd International Conference on Mechanical Engineering Research (ICMER2013)	2013	Kuantan/Malaysia	Paper
10	International Conference on Engineering and Built Environment (ICEBE2013)	2013	Selangor/Malaysia	Papers
11	the 6th International Meeting on Advances of Thermofluids, IMAT 2013	2013	NUS/Singapore	Paper
12	2nd International Conference on Applied Sciences & Industrial Technology 2018	2018	Melaka/Malaysia	Paper

No.	Conference Title	Year	Place	Participation Type
	The scientific workshop "international and local accreditations, their nature and importance"	2021	UAE	Attending
	The 2nd International Conference on Nanotechnology Applications	2021	Iraq/Erbil	Paper
	1st International Conference on Chemistry and Petrochemicals	2021	Iraq/Wasit	Papers
	2nd International Conference on Chemistry	2021	Iraq/Musel	Paper
	The Fifth International Scientific Conference on Environment and Sustainable Development	2021	Turkey	Paper

■ Fifth: Research Projects in The Field of Specialization Concerning Environment & Society or the Development of Education:

No.	Research Title	Place of Publication	Year
1	Comparative studies on thermal performance of conic cut twist tape inserts with SiO ₂ and TiO ₂ nanofluids	Journal of Nanomaterials	2015
2	Effects of Coil Pitch Spacing on Heat Transfer Performance of Nanofluid Turbulent Flow through Helical Microtube Heat Exchanger	International Journal of Engineering and Technology	2018
3	Bioprocess conditions for Ethanol production from Banana waste using Bacillus subtilis in shake flask fermentation	Current Research in Microbiology and Biotechnology	2018
4	International Journal of Engineering and Technology	Al-Khwarizmi Engineering Journal	2019
5	Adsorption of Chromium Ions on Activated Carbon Produced from Cow Bones	Iraqi Journal of Chemical and Petroleum Engineering	2019
6	Enhancement of Nanofluid Heat Transfer in Elliptical Pipe and Helical Micro Tube Heat Exchanger	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	2020
7	Adsorption of Para Nitro-phenol by Activated Carbon produced from Alhagi	Sains Malaysiana	2020
8	Removal of pathogenic bacteria from synthetic contaminated water using packed bed silver nanoparticle-coated substrates	Energy, Ecology and Environment	2021

9	Thermophysical Properties for ZnO-Water Nanofluid: Experimental Study	Journal of Nanomaterials	2021
10	Adsorption of heavy metal ions using activated carbon derived from Eichhornia (water hyacinth)	Adsorption of heavy metal ions using activated carbon derived from Eichhornia (water hyacinth)	2021
11	Green Synthesis of Nickle Oxide Nanoparticles for Adsorption of Dyes	Green Synthesis of Nickle Oxide Nanoparticles for Adsorption of Dyes	2022



Sixth: Membership:

No.	Name of Group	Year	Membership Type
1	Iraqi Engineering Union	1986	Consultant

Seventh: Scientific Activities:

No.	Activity Type	Activity Place	Year
1	Course on pre-commissioning & start-up for projects	Iraqi Atomic Energy Commission	1987
2	Course on operation of ultrasonic cleaning system	United Kingdom	1988
3	Course on Advanced design requirement & plant layout	Ukraine	2002
4	Development of small refineries (10000 BPD)	Czech Republic	2004
5	Member of the Committee Educational Guidance	Al-Khwarizmi College of Engineering/ Department of Biochemical	2008
6	Member of the committee to study and development laboratories	Al-Khwarizmi College of Engineering	2009
7	Workshop on EndNote	Malaysia/UKM	2011
8	English Language Proficiency Module	Malaysia/UKM	2011
9	Writing Skills for Research	Malaysia/UKM	2012
10	Postgraduate Poster Competition	Malaysia/UKM	2014
11	Member of the Quality Improvement Committee in the College	Al-Khwarizmi College of Engineering	2016

No.	Activity Type	Activity Place	Year
12	Head of translation committee in the College	Al-Khwarizmi College of Engineering	2016
13	Rapporteur of Graduate Studies	Al-Khwarizmi College of Engineering	2016
14	Dean Assistant for Administrative and financial Affairs	Al-Khwarizmi College of Engineering	2017-2020

■ Eighth: Courses You Taught:

No.	Branch	Material	Year
1	Department of Biochemical Engineering	Unit Operations	2006-2010
2	Department of Biochemical Engineering	Unit Operation Lab.	2006-2010
3	Department of Biochemical Engineering	Chemical and Biochemical Industries Lab.	2008-2010
4	Department of Biochemical Engineering	Graduate Projects	2006-2009
5	Department of Biochemical Engineering	Equipment Design	2006-2010
6	Department of Biochemical Engineering	Food and Drugs Processing	2015-2019
7	Department of Biochemical Engineering	Equipment Design	2015-2022
8	Department of Biochemical Engineering	Computer Lab.	2015-2016
	Department of Biochemical Engineering	Heat Transfer	2015-2019
	Department of Biochemical Engineering	Graduate Projects	2015-2022

■ Ninth: Published Researches in/out Iraq:

No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
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No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
1	CFD Simulation of Heat Transfer Augmentation in Constant Heat Fluxed Tube fitted with Baffled Twisted Tape Inserts	The Scientific World Journal	Article ID 492762	Volume 2013	Hindawi Publishing Corporation
2	CFD Analysis of Heat Transfer Augmentation in a Circular Tube fitted with Forward and Backward Alternate Axis Twisted Tape	The Scientific World Journal	Article ID 543231	Volume 2014	Hindawi Publishing Corporation
3	CFD analysis of Heat transfer and friction factor characteristics in a circular tube fitted with Parabolic-cut twisted tape inserts	Mathematical Problems in Engineering	Article ID 273764	Volume 2013	Hindawi Publishing Corporation
4	CFD analysis of heat transfer and friction factor characteristics in a circular tube fitted with horizontal baffles twisted tape inserts	Mathematical Problems in Engineering	Article ID 163839	Volume 2013	Hindawi Publishing Corporation
5	Numerical Investigation of Heat transfer characteristics of CuO Nanofluid flow in a circular Tube fitted with Quadrate Perforated Twisted Tape Inserts	Journal of Nanomaterials	Article ID 921394	Volume 2013	Hindawi Publishing Corporation
6	Heat transfer enhancement of laminar flow in a circular tube using Swirl / vortex generator,	Heat Transfer Asian Research	Issue 4	Volume 43	Wiley Publishing company
7	Numerical Investigation of Heat transfer characteristics of CuO Nanofluid flow in a circular Tube fitted with Quadrate Perforated Twisted Tape Inserts	Australian Journal of Basic and Applied Sciences	Issue 7	Volume 8	Thomson Reuters
8	CFD Simulation of Heat Transfer Augmentation in Constant Heat Fluxed Tube fitted with Baffled Twisted Tape Inserts	Australian Journal of Basic and Applied Sciences	Issue 7	Volume 8	Thomson Reuters

No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
9	CFD Analysis of Heat Transfer Augmentation in a Circular Tube fitted with Forward and Backward Alternate Axis Twisted Tape	Australian Journal of Basic and Applied Sciences	Issue 7	Volume 7	Thomson Reuters
10	CFD analysis of Heat transfer and friction factor characteristics in a circular tube fitted with Parabolic-cut twisted tape inserts	Applied Mechanics and Materials	Issue 1	Volume 50	Thomson Reuters
11	CFD analysis of heat transfer and friction factor characteristics in a circular tube fitted with horizontal baffles twisted tape inserts	Australian Journal of Basic and Applied Sciences	Issue 8	Volume 19	Thomson Reuters
12	Numerical Investigation of Heat transfer characteristics of CuO Nanofluid flow in a circular Tube fitted with Quadrate Perforated Twisted Tape Inserts	Transaction on IoT and Cloud Computing	Issue 8	Volume 19	Thomson Reuters
13	Heat transfer enhancement of laminar flow in a circular tube using Swirl / vortex generator,	Australian Journal of Basic and Applied Sciences	Issue 19	Volume 8	Thomson Reuters
14	Comparative studies on thermal performance of conic cut twist tape inserts with SiO ₂ and TiO ₂ nanofluids	Journal of Nanomaterials	Article ID 921394	Volume 2015	Hindawi Publishing Corporation
15	Experimental Investigation on Rheological Characterization of ecovio® F Film C2203biopolymer Melts	International Journal of Science and Research (IJSR)	9	6	Thomson Reuters
16	Numerical Investigations on Heat Flow of Nanofluids in Ribs Tube Configurations	Al-Khwarizmi Engineering Journal	3	13	Al-Khwarizmi College of Engineering

No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
17	Augmentation of Nanofluids Heat transfer in a Circular Tube with Baffled Winged Twisted Swirl Generator	Al-Khwarizmi Engineering Journal	4	13	Al-Khwarizmi College of Engineering
18	Bioprocess conditions for Ethanol production from Banana waste using Bacillus subtilis in shake flask fermentation	Current Research in Microbiology and Biotechnology	1	6	AIZEON Publisher
19	Lactic Acid Production Strategy: Raw material, Organisms	Current Research in Microbiology and Biotechnology	3	6	AIZEON Publisher
20	Experimental and Numerical Investigation for Simulation of Thermophysical Properties for Polypropylene 575 Polymer Melts in Single Screw Extruder	Al-Khwarizmi Engineering Journal	4	14	Al-Khwarizmi College of Engineering
21	Comparative Study on Heat Transfer Enhancement of Nanofluids Flow in ribs Tube using CFD Simulation	Heat Transfer Asian Research	1	48	Wiley Publishing company
22	Removal of pathogenic bacteria from synthetic contaminated water using packed bed silver nanoparticle-coated substrates	Energy, Ecology and Environment	5	6	Springer
23	Numerical Study of the Heat Transfer Behavior in Helical Microcoil Tube	IOP Conference Series: Materials Science and Engineering	1	664	IOP Publishing
24	Adsorption of heavy metal ions using activated carbon derived from Eichhornia (water hyacinth)	IOP Conference Series: Earth and Environmental Science	1	779	IOP Publishing

No.	Research Title	Scientific Journal	Issue	Vol.	Issuer Journal
25	Adsorption of Chromium Ions on Activated Carbon Produced from Cow Bones	Iraqi Journal of Chemical and Petroleum Engineering	20	2	University of Baghdad College of Engineering
26	Adsorption of Heavy Metals from Aqueous Solution onto Sawdust Activated Carbon	Al-Khwarizmi Engineering Journal	3	15	Al-Khwarizmi College of Engineering
27	Adsorption of Para Nitro-phenol by Activated Carbon produced from Alhagi	Sains Malaysiana	49	1	UKM
28	Green Synthesis of Nickle Oxide Nanoparticles for Adsorption of Dyes	Sains Malaysiana	2	51	UKM
29	HEAT TRANSFER ENHANCEMENT USING PASSIVE TECHNIQUE	Jurnal Teknologi	2	83	UTM
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■ Tenth: Awards and Certificates of Appreciation:

No.	Name of Awards or Certificate	Number	Year
1	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2006
2	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2007
3	Certificate of Appreciation	University's president	2009
4	Certificate of Appreciation	Ministry of education	2012
5	Certificate of Appreciation	Director General of the Department of Missions	2013
6	Certificate of Appreciation	University's president	2013
7	Certificate of Appreciation	Scientific Assistant to the President of the University	2013
8	Certificate of Appreciation	University's president	2014
9	Certificate of Appreciation	Scientific Assistant to the President of the University	2014

No.	Name of Awards or Certificate	Number	Year
10	Certificate of Appreciation	University's president	2015
11	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2016
12	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2016
13	Certificate of Appreciation	University's president	2016
14	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2016
15	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2016
16	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2016
17	Certificate of Appreciation	Minister of Education	2017
18	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2017
19	Certificate of Appreciation	Minister of Higher Education and Scientific Research	2017
20	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2017
21	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2017
22	Certificate of Appreciation	Ministry of Industry and Minerals/ State Company for Hydraulic Industries	2017
23	Certificate of Appreciation	Iraqi Genetic and Environmental Resources Conservation Society	2017
24	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2018
25	Certificate of Appreciation	Dean of the College of Engineering	2018
26	Scientific Evaluation Award	Thermal Science and Engineering Progress	2018
27	Scientific Evaluation Award	Processing - Chemical Engineering and Process Intensification	2018
28	Scientific Evaluation Award	Journal of Energy Storage	2018
29	Scientific Evaluation Award	Journal of Molecular Liquids	2018
30	Certificate of Appreciation	Head of the Sunni Endowment Diwan	2019
31	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2019
32	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2019

No.	Name of Awards or Certificate	Number	Year
33	Certificate of Appreciation	Minister of Higher Education and Scientific Research	2020
34	Certificate of Appreciation	Minister of Higher Education and Scientific Research	2021
35	Certificate of Appreciation	Dean of Al-Khwarizmi College of Engineering	2022
35	Certificate of Appreciation	University's president	2022

■ Eleventh: Scientific literature:

No.	Scientific Literature Title	Year of The Publication
1		
2		

■ Twelfth:

No.	Career	Workplace	From -To
1	Faculty member	Al-Khwarizmi Engineering College	2005- till now
2	Dean Assistant for Administrative and financial Affairs	Al-Khwarizmi College of Engineering	2017-2020