

PERSONAL DETAILS



Title	Assistant Professor
(Family Name)	Mohamed
(Full Name)	Mostafa Hassanein Hussein Mohamed
Point of Origin	Egypt
Address	12H Temsah street, Baramony - Abdine- Cairo
Marital Status	Married
Military Status	Exempted
Nationality	Egyptian
Date of birth	10-03-1983
Mobile What's App	● [REDACTED] ● [REDACTED]
Daytime Phone	● [REDACTED]
E-mail	theproftifa@gmail.com theproftifa@hotmail.com m.hassanein@sha.edu.eg
Objective	<p>The role of a chemical engineer is to develop, oversee, optimize, and troubleshoot chemical manufacturing processes. Most manufacturing companies depend on their chemical engineers to ensure both product quality and safety. Looking to continue chemical engineering career, where acquired engineering skills and 10+ years of relevant experience can be deployed to the benefit of the team.</p>

<p>Human Soft Skills</p>	<ul style="list-style-type: none"> • Have the ability to work as a cooperative team member with positive minded opened to new ideas, Approaches, Processes. • Excellent communication, Negotiation, Documentation and interpersonal skills with proven ability to build effective working relationships. • Problem solver under a variety of conditions and displays strong level of drive and determination to achieve high goals. • Have the ability to work under pressure. • Well organized, friendly and hard working. 	
<p>Membership</p>	<p>Egyptian Engineers Syndicate</p>	<p>since 2005</p>
<p>Internship</p>	<p>Suez Oil Processing Company (SOPC)</p>	<p>2004</p>
	<p>Engineering for petroleum & process industries Co. (ENPPI)</p>	<p>2002 2003</p>
	<p>Nasr Petroleum Company</p>	<p>2001</p>
<p>Languages</p>	<p>French Level: Expert Experience: More than 10 years</p>	
	<p>Arabic Level: Expert Experience: More than 10 years</p>	
	<p>English Level: Expert Experience: More than 10 years</p>	
<p>Skills</p>	<p>ASPEN HYSYS Level: Medium Experience: More than 5 years Last Used: 1 month or less</p>	
	<p>FUZZY ANALOGICAL GATES Level: Expert Experience: More than 10 years Last Used: 1 month or less</p>	
	<p>SIMTRONICS Modules Level: Beginner Experience: 3 months or less Last Used: 6 months or less</p>	
	<p>JAVA Scripts Level: Beginner Experience: 3 months or less Last Used: 6 months or less</p>	
	<p>LabVIEW Level: Intermediate Experience: 1 year or less Last Used: 1 year or less</p>	

QUALIFICATIONS & CERTIFICATES

Degree/ Certificate	Major	% or GPA	Graduation Date		Name of Institution	Country	Degree Type
			MM	YY			Full Time/ Part Time/ Online
PhD	Chemical and Petroleum Refining Eng.	-	4	2015	Faculty of Petroleum and Mining Eng. Suez University	Egypt	Full time
	Minor	-	Process Integration				
	Thesis Title	-	Optimal Synthesis for Heat Integration Networks				
M.Sc.	Chemical and Petroleum Refining Eng.	-	1	2010	Faculty of Petroleum and Mining Eng. Suez	Egypt	Full time
	Thesis Title	-	Synthesis of Optimal Heat Integrated Distillation System				
B.Sc.	Chemical Eng.	83.8% V. good Honor Deg.	5	2005	Higher Institute of Eng. Shorouk City	Egypt	Full time
Baccalauré at	High School	79.5 %	5	2000	Colleges des Frères Bab El Louk - Tahrir	Egypt	Full time
Toefl certificate	English Test	510 pts	2	2010	Faculty of Education - Suez University	Egypt	Part time
Prof. Certificate in Env. Eng.	Design and Operation of Water Treatment Plant	3.3 GPA	1	2010	American Universit y in Cairo	Egypt	Part time
ICDL certificate	Computer Science	Earned	3	2009	UNESCO Scholarship	Egypt	Online

PUBLICATIONS

1	Title	Chromium Disarmament from Veritable Tanneries Sewer Water Utilizing Carbonic Rice Straw as a Sorbent: Optimization and Carbonic Rice Straw Characteristics
	Journal	Water, Air, & Soil Pollution
	Volume	234
	No.	10
	MM/YY	October 2023
	ISSN	0049-6979
	Organization	Springer International Publishing
2	Title	Enhancing gas pipeline network efficiency through VIKOR method
	Journal	Decision Making: Applications in Management and Engineering
	Volume	6
	No.	2
	MM/YY	August 2023
	Print ISSN	2560-6018
	Online ISSN	2620-0104
Organization	Naučna oaza doo (Engl. Scientific oasis)	
3	Book Title	Fuzzy Analogical Gates Approach for Heat Integrated Distillation Systems – Decision Making
	ISBN-10	9994984748
	ISBN-13	978-9994984749
	MM/YY	December 2022
	PUBLISHER	ELIVA PRESS AMAZON (USA – FRANCE - GERMANY)
4	Title	Synthesis of Heat Exchanger Network for Batch Process
	Journal	Journal of University of Shanghai for Science & Technology
	Volume	24
	No.	11
	MM/YY	November 2022
	ISSN	1007-6735
	Organization	University of Shanghai for Science & Technology
5	Title	Fuzzy Analogical Gates Approach for Heat Integrated Distillation Systems
	Journal	International Journal of Computer Applications
	Volume	133
	No.	2
	MM/YY	January 2016
	ISBN	973-93-80890-68-3
	Organization	Foundation of Computer Science, New York, USA

PUBLICATIONS

6	<i>Title</i>	Fuzzy Approach Heat Exchanger Network
	<i>Journal</i>	International Journal of Computer Applications
	<i>Volume</i>	123
	<i>No.</i>	18
	<i>MM/YY</i>	August 2015
	<i>ISBN</i>	973-93-80876-21-7
	<i>Organization</i>	Foundation of Computer Science, New York, USA
7	<i>Title</i>	Fuzzy Analogical gates Technique for Heat Integration between Areas
	<i>Journal</i>	International Journal of Computer Applications
	<i>Volume</i>	96
	<i>No.</i>	5
	<i>MM/YY</i>	June 2014
	<i>ISBN</i>	973-93-80882-25-9
	<i>Organization</i>	Foundation of Computer Science, New York, USA
8	<i>Title</i>	A New Strategy to Synthesis an Optimum Controllable HEN by using Fuzzy Analogical Gates
	<i>Journal</i>	International Journal of Computer Applications
	<i>Volume</i>	83
	<i>No.</i>	3
	<i>MM/YY</i>	December 2013.
	<i>ISBN</i>	973-93-80879-03-2
	<i>Organization</i>	Foundation of Computer Science, New York, USA
9	<i>Title</i>	Fuzzy Analogical Gates Approach for Heat Exchangers Networks
	<i>Journal</i>	International Journal of Computer Applications
	<i>Volume</i>	73
	<i>No.</i>	21
	<i>MM/YY</i>	July 2013
	<i>ISBN</i>	973-93-80876-21-7
	<i>Organization</i>	Foundation of Computer Science, New York, USA
10	<i>Title</i>	Synthesis of Multicomponent Separation Schemes
	<i>Journal</i>	Journal of Petroleum and Mining Engineering (JPME)
	<i>Volume</i>	11
	<i>No.</i>	1
	<i>MM/YY</i>	June 2008
	<i>Organization</i>	Faculty of Petroleum and Mining Engineering- Suez University

SUPERVISION on M.Sc. THESIS	
1	Heat Exchanger Network Synthesis with Uncertain Flowrates and Temperatures (Earned January 2022) – Faculty of Petroleum & Mining Engineering- Suez University.
2	Synthesis of Heat Exchanger Networks with Operability Considerations (Earned January 2022) – Faculty of Petroleum & Mining Engineering- Suez University.

EXPERIENCES (INCLUDE ALL TEACHING & INDUSTRY)						
Employer	Position Held	Duration				Full Time /Part Time
		From		To		
		MM	YY	MM	YY	
Higher Institute of Engineering –Shorouk City	Assistant Professor	9	2015	Till Now		Full time
Higher Institute of Engineering –Shorouk City	Lecturer	4	2010	9	2015	Full time
Higher Institute of Engineering –Shorouk City	Teaching Assistant	10	2007	4	2010	Full time
FreeLancer in Technical Training Courses (Oil &Gas Sector)	Trainee	9	2008	Till Now		Full time

Teaching Course (Undergraduates – Postgraduates)			
NO.	Courses	NO.	Courses
1	Mass Transfer	7	Unit Operations.
2	Advanced Separation Process.	8	Process Design and Integration.
3	Heat Transfer.	9	Corrosion.
4	Fundamentals of Chemical Engineering.	10	Petroleum Refining
5	Plant Design and Management.	11	General Chemistry
6	Reaction Engineering.	12	Fuels and Combustion

**TRAINING COURSES FOR OIL & GAS SECTOR IN GULF
REGION**

<i>No</i>	Course	Duration	Organizations
1	Natural Gas Processing	5 days	Egypt
2	Introduction to Oil and Gas Industry	5 days	KSA
3	Refinery Induction	5 days	UAE (ADNOC)
4	Storage Tank Inspection (API-653, API-620 and API-575)	5 days	Egypt
5	Distillation Column Design, Operation and Troubleshooting	5 days	Kuwait
6	Loss Prevention by HAZOP	5 days	Egypt
7	Flare Blowdown & Pressure relief systems	5 days	UAE (ADNOC)
8	Plant startup – commissioning and shut down	5 days	KSA
9	Process Safety Management	5 days	Egypt
10	Heat Exchanger Design, Operation and Troubleshooting	5 days	UAE (ADNOC)
11	Process Plant Optimization Technology	5 days	Egypt
12	Refinery gas treating , sour water, sulfur and tail gases	5 days	Kuwait
13	Crude oil Desalting and Dehydration Process	5 days	Egypt
14	Fired Process Heater	5 days	KSA
15	Operation of Process Equipment and Troubleshooting: Air cooler, pumps, compressors, fired heaters, heat exchangers	5 days	KSA
16	Chemical Process and Refining Technology	5 days	UAE
17	Pipeline Maintenance & Repair	5 days	Egypt
18	Basic Principles and Calculation in Chemical Engineering	5 days	Egypt
19	Safety in Process Design	5 days	UAE (ADNOC)
20	Gas Conditioning & Processing	5 days	UAE (ADNOC)
21	Energy Optimization in distillation Systems	2 days	European Union - Egypt

COURSES IN QUALITY ASSURANCE & ACCREDITATION OF EDUCATION

No	Courses	Duration	Place
1	The Credit Hour Systems	21-22 September 2022	Faculty and leadership development center (FLDC) – Cairo University
2	Preparing The course Description	07-08 February 2022	
3	Techniques of Preparing a Self-Evaluation Study For Programs Course	21-22 November 2021	Training, Rehabilitation and Human Development Center – Shorouk Academy
4	E-Learning Training	11-12 October 2020	
5	Exam system and Students Evaluation for High education institutes	13-14 February 2022	National Authority for Quality Assurance and Accreditation of Education (NAQAAE)
6	Exams and Students Evaluation Systems	27-28 January 2020	
7	Self-Evaluation of Educational Programs: Colleges and Institutes of Higher Education	16-18 September 2019	
8	Electronic Correction System	27-28 March 2019	
9	International Publishing of Scientific Research	04-05 February 2019	
10	Education Programs and Courses Specifications and Evaluation of Learning Outcomes for High Education Institutes	11-13 April 2016	

EXTRA RESPONSIBILITIES

1	Coordinator of Internal Quality Assurance Unit for Chemical Engineering Department.
2	Member of the Proctoring committee for mid and Final Exams.
3	Member of Control Committee (1 st & 4 th Year).
4	Responsible for preparing the new regulation of Chemical Engineering Department 2013 - Higher Institute of Engineering at El-Shorouk City.
5	Responsible for preparing the new regulation of (Chemical Engineering- Petrochemical) Department 2019 - Higher Institute of Engineering at El-Shorouk City.

CONFERENCES

1	Accepted and published paper in the 13th International Conference on Mining, Petroleum & Metallurgical Engineering (MPM13) (25-27 October 2019) Suez, Egypt
2	Accepted and published paper in the 12th International Conference on Mining, Petroleum & Metallurgical Engineering (MPM12) (20-22 October 2014) Suez, Egypt.
3	Accepted and published paper in the 11th International Conference on Mining, Petroleum and Metallurgical Engineering (MPM11) (15-19 March 2009) Sharm El Sheikh