

1. **Name: Mostafa Hassanein Hussein Mohamed**, Assistant Professor, Department of **Chemical Eng.**, Higher Institute of Engineering, Elshorouk Academy.

2. **Degrees:**

Ph. D: Chemical and Petroleum Refining Eng., Faculty of Petroleum and Mining Eng. Suez, 2015

M.Sc: Chemical and Petroleum Refining Eng., Faculty of Petroleum and Mining Eng. Suez, 2010

B.Sc: Chemical Eng, Higher Institute of Eng. Shorouk City. 2005

3. **Years of Service on Faculty:** 19

4. **Other Experience:**

• TRAINING COURSES FOR OIL & GAS SECTOR IN EGYPT - GULF REGION:

1. Natural Gas Processing
2. Introduction to Oil and Gas Industry
3. Refinery Induction
4. Storage Tank Inspection (API-653, API-620 and API-575)
5. Distillation Column Design, Operation and Troubleshooting
6. Flare Blowdown & Pressure relief systems
7. Plant startup –commissioning and shutdown
8. Process Safety Management
9. Heat Exchanger Design, Operation and Troubleshooting

5. **Consulting Activities (selected)**

TRAINING COURSES FOR OIL & GAS SECTOR IN EGYPT:

1. **Process Plant Optimization Technology**
2. **Refinery gas treating, sour water, sulfur and tail gases**
3. **Crude oil Desalting and Dehydration Process**
4. **Operation of Process Equipment and Troubleshooting: Air cooler, pumps, compressors, fired heaters, heat exchangers**
5. **Chemical Process and Refining Technology**
6. **Pipeline Maintenance & Repair**
7. **Basic Principles and Calculation in Chemical Engineering**
8. **Gas Conditioning & Processing**

6. **States in which registered:**

- Cairo, Egypt.

7. **Principal publications:**

PUBLICATIONS

1	<i>Title</i>	A Systematic Method for Multi Objective Design Optimization of Natural Gas Transmission
	<i>Journal</i>	Petroleum & Coal Journal
	<i>Volume</i>	66
	<i>No.</i>	3
	<i>MM/YY</i>	June 2024

PUBLICATIONS

- 2 *ISSN* 1337-7027
Organization Vyskumny ustav pre ropu a uhlovodikove plyny (VURUP)
Title Synthesis and Design of Natural Gas Transmission Networks through Fuzzy Analogical Gates
Journal Petroleum & Coal Journal
Volume 66
No. 2
MM/YY May 2024
ISSN 1337-7027
Organization Vyskumny ustav pre ropu a uhlovodikove plyny (VURUP)
- 3 *Title* A Multi-objective Optimization Method for Simulating the Operation of Natural Gas Transport System
Journal Korean Journal of Chemical Engineering
Volume 41
No. 4
MM/YY February 2024
Print ISSN 0256-1115
Online ISSN 1975-7220
Organization Springer
- 4 *Title* Pioneering Heat Exchanger Network Synthesis: A TOPSIS Driven Paradigm for Optimal Solutions
Journal Decision Making: Applications in Management and Engineering
Volume 7
No. 1
MM/YY January 2024
Print ISSN 2560-6018
Online ISSN 2620-0104
Organization Naučna oaza doo (Engl. Scientific oasis)
- 5 *Title* Multi-Objective Optimization for Synthesis Heat Exchanger Network Using TOPSIS Method
Journal Petroleum & Coal Journal
Volume 65
No. 4
MM/YY December 2023
ISSN 1337-7027
Organization Vyskumny ustav pre ropu a uhlovodikove plyny (VURUP)
- 6 *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

PUBLICATIONS

	<i>No.</i>	10
	<i>MM/YY</i>	October 2023
	<i>ISSN</i>	0049-6979
	<i>Organization</i>	Springer International Publishing
7	<i>Title</i>	Enhancing gas pipeline network efficiency through VIKOR method
	<i>Journal</i>	Decision Making: Applications in Management and Engineering
	<i>Volume</i>	6
	<i>No.</i>	2
	<i>MM/YY</i>	August 2023
	<i>Print ISSN</i>	2560-6018
	<i>Online ISSN</i>	2620-0104
	<i>Organization</i>	Naučna oaza doo (Engl. Scientific oasis)
8	<i>Book Title</i>	Fuzzy Analogical Gates Approach for Heat Integrated Distillation Systems – Decision Making
	<i>ISBN-10</i>	9994984748
	<i>ISBN-13</i>	978-9994984749
	<i>MM/YY</i>	December 2022
	<i>PUBLISHER</i>	ELIVA PRESS AMAZON (USA – FRANCE - GERMANY)
9	<i>Title</i>	Synthesis of Heat Exchanger Network for Batch Process
	<i>Journal</i>	Journal of University of Shanghai for Science & Technology
	<i>Volume</i>	24
	<i>No.</i>	11
	<i>MM/YY</i>	November 2022
	<i>ISSN</i>	1007-6735
	<i>Organization</i>	University of Shanghai for Science & Technology
10	<i>Title</i>	Fuzzy Analogical Gates Approach for Heat Integrated Distillation Systems
	<i>Journal</i>	International Journal of Computer Applications
	<i>Volume</i>	133
	<i>No.</i>	2
	<i>MM/YY</i>	January 2016
	<i>ISBN</i>	973-93-80890-68-3
	<i>Organization</i>	Foundation of Computer Science, New York, USA
11	<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
12	<i>Title</i>	Fuzzy Analogical gates Technique for Heat Integration between Areas

PUBLICATIONS

- | | | |
|----|---------------------|---|
| | <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 |
| 13 | <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 |
| 14 | <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> | July2013 |
| | <i>ISBN</i> | 973-93-80876-21-7 |
| | <i>Organization</i> | Foundation of Computer Science, New York, USA |
| 15 | <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 |

8. Scientific and professional societies of which a member

- Egyptian Engineers Syndicate, and Egyptian Society of Engineers.

9. Honors and awards:

- None

10. Institutional & professional service in last 5 years:

- 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 (1st & 4th 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.**

11. Professional Development Activities in the last 5 years:

COURSES IN QUALITY ASSURANCE & ACCREDITATION OF EDUCATION

1	The Credit Hour Systems	21-22 September 2022	Faculty and leadership development center
2	Preparing The course Description	07-08 February 2022	(FLDC) – Cairo University
3	Techniques of Preparing a Self-Evaluation Study For Programs Course	21-22 November 2021	Training, Rehabilitation and Human
4	E-Learning Training	11-12 October 2020	Development Center – Shorouk Academy
5	Exam system and Students Evaluation for High education institutes	13-14 February 2022	
6	Exams and Students Evaluation Systems	27-28 January 2020	National Authority for Quality
7	Self-Evaluation of Educational Programs: Colleges and Institutes of Higher Education	16-18 September 2019	Assurance and Accreditation of
8	Electronic Correction System	27-28 March 2019	Education
9	International Publishing of Scientific Research	04-05 February 2019	(NAQAEE)
10	Education Programs and Courses Specifications and Evaluation of Learning Outcomes for High Education Institutes	11-13 April 2016	