

Curriculum Vitae (CV)

Rahma Adel Felobes

Personal Information:

Academic Rank: Lecturer Assistant & PhD Researcher

Department: Chemical Engineering

Specialization: Chemical Engineering, Process Simulation, Machine Learning,
Artificial Neural Networks

Position: Lecturer Assistant

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Education:

Degree	Discipline	Institution	Year
Ph.D.	Chemical Engineering	Cairo University	2023 - Present
M.Sc.	Chemical Engineering	Cairo University	JAN-2023
B.Sc.	Chemical Engineering	Cairo University	2017

Academic Experience:

Institution: Higher Technological Institute, 10th of Ramadan City

Rank: Lecturer (Assumed)

Dates: 2020 - Present

Research interests:

Process Simulation (Aspen HYSYS, Aspen Plus), Dynamic Simulation, Artificial Neural Networks, Machine Learning, Pyrolysis Kinetics, Data Analysis, Renewable Energy.

Publications:

1. Felobes, R. A., and M. F. Abadir. "Modeling the Kinetics of Pyrolysis of Date Seeds Using Artificial Neural Networks". *Journal of Renewable Energy and Sustainable Development*, vol. 10, issue 1, pp. 123-134, 2024.

Certifications or Professional Registrations:

- Statistical Analysis with Python and SQL,space code academy ,2024
- TOEFL ,score(600), language and translation center,Cairo University (2023)
- Fundamentals of Digital Transformation Certificate score (700), Information Technology center, Cairo University,(2023)
- Machine Learning Diploma, space code academy,(2025)
- Introduction to machine learning and deep learning with artificial intelligence,"Information Technology Center at the Maritime Academy.", 2025
- International Publication of Scientific Research July 13-14, 2025
- Egyptian Knowledge Bank, HTI, April 5-6, 2025
- Data analysis diploma using python coding, space code academy,2024
- Introduction to data science using PG admin data servers ,space code academy,2024
- Examination systems, HTI, 2022
- Learning and teaching methods, HTI, 2022

Teaching Experience:

At the Higher Technological Institute (10th of Ramadan City), I have assisted in teaching the following courses:

- Petroleum Refining
- Process Modeling and Simulation with Aspen (Computer-Aided Design)
- Computer Applications in Chemical Engineering
- Process and Plant Design
- Process Control
- Natural Gas Processing
- Fluid Mechanics
- Computer Programming
- Pressure Vessel Design

- **Thermodynamics**

Higher Technological Institute

10th of Ramadan City



- **Organic Technology**
- **Corrosion Engineering**
- **Physical Chemistry**
- **Engineering Chemistry**
- **Supervising Industrial Training Programs**