

## Curriculum Vitae (CV)

**Dr. Mohamed Ali Ramadan Ibrahim**



### Personal Information:

**Academic Rank:** Assistant Professor

**Department:** Mechanical Engineering

**Specialization:** Production and Mechanical Design Engineering

**Position:** Lecturer and Program quality coordinator, The Higher Technological Institute, 10th of Ramadan City.

Google Scholar: <https://scholar.google.com/citations?user=YHSj0G4AAAAJ&hl=ar>

Research Gate: [https://www.researchgate.net/profile/Mohamed\\_Ali182](https://www.researchgate.net/profile/Mohamed_Ali182)

ORCID Record: 0000-0001-5393-6767

Scopus ID: 57943275400

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### Education:

Degree	Discipline	Institution	Year
Ph.D.	Production and Mechanical Design Engineering	Minia University	2022
M.Sc.	Mechanical engineering	Helwan University	2017
B.Sc.	Mechanical engineering	Helwan University	2010

## Academic Experience:

**Institution:** Higher Technological Institute (HTI), Tenth of Ramadan City, Egypt.

**Rank:** Assistant Professor

**Dates:** Jan. 2023 - Present.

**Institution:** Higher Technological Institute (HTI), Tenth of Ramadan City, Egypt.

**Rank:** Research Assistant (Ph.D. student)

**Dates:** Aug. 2018 - Jan. 2023.

**Institution:** Higher Technological Institute (HTI), Tenth of Ramadan City, Egypt.

**Rank:** Teaching Assistant

**Dates:** Sep. 2011 - Aug. 2018.

## Research interests:

- Powder Metallurgy
- Material Characterization
- Nanocomposite Material
- Metal matrix composites
- Solid Mechanics
- Mechanical Processes
- Mechanical Testing
- Design Engineering

## Publications:

- 1- **M. Ali**, A. M. Sadoun, M. Elmahdy, G. Abouelmagd, and Asaad A. Mazen. "Development and performance analysis of novel in situ Cu–Ni/Al<sub>2</sub>O<sub>3</sub> nanocomposites." *Ceramics International* 48, no. 16 (2022): 22672-22680.
- 2- **M. Ali**, A. M. Sadoun, G. Abouelmagd, Asaad A. Mazen, and M. Elmahdy. "Microstructure and mechanical characterization of Cu–Ni/Al<sub>2</sub>O<sub>3</sub> nanocomposites fabricated using a novel in situ reactive synthesis." *Ceramics International* 48, no. 5 (2022): 6414-6422.
- 3- Attai, Youssef A., Osayed S. Abu-Elyazeed, Mohamed R. ElBeshbeshy, **Mohamed A. Ramadan**, and Mohamed S. Gad. "Diesel engine performance, emissions and combustion characteristics of castor oil blends using pyrolysis." *Advances in Mechanical Engineering* 12, no. 12 (2020): 1687814020975527.

## **Certifications or Professional Registrations:**

- 1- International Publishing of Scientific Research.
- 2- External review of higher education colleges and institutes.
- 3- Effective Teaching and Learning Strategies for Higher Education Colleges and Institutes.
- 4- Fundamentals of Digital Transformation Certificate
- 5- Examination and Student Evaluation System.
- 6- Ethics of Scientific Research and Scientific Research.
- 7- Research into global databases and scientific reference management (ENDNOTE).
- 8- Statistical analysis using SPSS

## **Courses taught.**

- Machine Design (1)
- Machine Design (2)
- Mechanical System Design
- Stress Analysis
- Material Testing
- Principles of Materials Science and Engineering
- Engineering Drawing
- Engineering Drawing Programs (AutoCAD 2D)
- Strength of Materials
- Computer applications in management and industry (Word, Excel, PowerPoint).