



## Curriculum Vitae (CV)

### Radwa Abd El Kader Ghazalla

#### Personal Information:

**Academic Rank:** Assistant Professor

**Department:** Mechanical Power Engineering Department  
Higher Technological Institute- Egypt

**Specialization:** Mechanical Power Engineering

**Position:** Assistant Professor at **Mechanical Engineering Department** - Higher Technological Institute - Tenth of Ramadan, Egypt.

#### Google Scholar:

<https://scholar.google.com/citations?user=QGOUfNwAAAAJ&hl=en&oi=sra>

**Research Gate:** <https://www.researchgate.net/>

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## Education:

Degree	Discipline	Institution	Year
Ph.D.	Mechanical power Engineering	Faculty of Engineering, Mattaria- Helwan University, Egypt.	2019
M.Sc.	Mechanical power Engineering	Faculty of Engineering, Mattaria- Helwan University, Egypt.	2014

## Academic Experience:

### Institution:

**Rank:** Assistant Professor

**Dates:** 2019

**Rank:** Teaching Assistant

**Dates:** 2014

## Research interests:

- Fluid Mechanics
- Renewable Energy
- Aerodynamics
- Aero-acoustics
- Desalinations
- Computational Fluid Dynamics

## Publications:

- **R.A. Ghazalla**, Helmy Y. Helmy Experimental and Numerical Investigation on Aerodynamic Characteristics of Darrieus Rotor Using Directed Guide Vane. **Sixth International Undergraduate Research Conference (2022) of Military Technical College**  
<https://iugrc.conferences.ekb.eg/>
- **R.A. Ghazalla** , M. H. Mohamed , A.A.Hafiz Synergistic analysis of a Darrieus wind turbine using computational fluid dynamics. Energy 2019;198.
- **R.A. Ghazalla**, M. H. Mohamed, A.A.Hafiz CFD Assessment of Darrieus Turbine performance under different parameters. Thirteenth International Conference of Fluid Dynamics 2018.
- **Ghazalla, R. A.**, Mohamed, M. H. & Hafiz, A. A. (2019) Numerical Study for Darrieus Turbine with Wind Lens: Performance and Aeroacoustic Analogies. International Journal of Science and Engineering Investigations (IJSEI), 8(88), 74-83.

## 1. Certifications or Professional Registrations:

- Acted as reviewer for the following: Energy Journal at Elsevier and Frontiers in Energy Research.
- Consultant at the Economic court in Cairo.
- Supervision on master's degree students.
- A member in Turbo-machinery-lab research Mattaria- Helwan University.
- Academic supervisor on APEX electric Vehicle team at Higher Technological Institute.
- Academic supervisor on student welfare department at Higher Technological Institute.
- Supervisor of the scientific activity of faculty members at Higher Technological Institute.

## Teaching Experience:

### Courses taught

- Thermodynamics.
- Fluid Mechanics.
- Hydraulics and Pneumatics systems.
- Renewable Energy.
- Monitoring and Quality Control.
- Engineering Drawing.
- Simulation Programs "ANSYS" and "Solid works".