

Name	Date/s	Asmaa Ramadan Elsayed
Qualifications	Dec. 2018	Ph.D., Mechanical Engineering, Faculty of Engineering, Ain Shams University, Cairo, Egypt
	Feb. 2014	M. Sc., Mechanical Engineering, Faculty of Engineering, Ain Shams University, Cairo, Egypt
	Jun-09	B. Sc. In Mechanical Power Engineering Dept., Faculty of Engineering, Ain Shams University, Cairo, Egypt
Current Post	2018 - current	Assistant Professor, Mechanical Power Engineering Dept., Faculty of Engineering, Ain Shams University.
Previous Appointments	2010 - 2018	Teacher Assistant, Mechanical Power Engineering Dept., Faculty of Engineering, Ain Shams University.
Main teaching activities		Thermodynamics and Fluid Mechanics, Refrigeration and Air-conditioning, Internal combustion engines, Measurements, Heat Transfer
Current Research and/or Knowledge Transfer		Refrigeration and Air-conditioning, Thermodynamics & Fluid Mechanics

Publications/Presentations

Scopus link: <https://www.scopus.com/authid/detail.uri?authorId=57203713928>

Total publications: 6 papers, Citations: 32, h-index: 2

- **Asmaa R. El-Sayed**, Abdalla Talaat, and Mohamed Kohail, “The Effect of Using Phase-Changing Materials on Non-Residential Air-Conditioning Cooling Load in Hot Climate Areas”. Ain Shams Engineering Journal, 2023.
- Medany, M & **El-Sayed, Asmaa**, “A Study of a Refrigeration Cycle with Liquid Suction Heat Exchanger (LSHX) using Eco-Friendly Alternatives to R22 from environmental and thermodynamic perspectives”. International Journal of Air-Conditioning and Refrigeration, 2021.
- Zain, Mohamed R.; El-Morsi, Mohamed; **El-Sayed, Asmaa**, “LCCP Assessment of R1234yf as a Low GWP Alternative for R134a in Domestic Refrigerators”. ASHRAE Winter Conference, 2022.
- **A. R. EL-Sayed**, M. El-Morsi, and N. A. Mahmoud, “Experimental Investigation of a Walk-in Refrigerator Performance using R290 as a Retrofit for R22”, *International Journal of Air-Conditioning and Refrigeration*, vol.26 no.4, 2018, doi:10.1142/S2010132518500293.
- **A. R. EL-Sayed**, M. El-Morsi, and N. A. Mahmoud, “A Review of the Potential Replacements of HCFC/HFCs Using Environmental Friendly Refrigerants”, *International Journal of Air-Conditioning and Refrigeration*, vol.26 no.3, 2018, doi:10.1142/S2010132518300021.
- **A. R. EL Sayed**, M. EL Morsi, and N. A. Mahmoud, “Thermodynamic Analysis of a Simple Refrigeration Cycle Using Hydrocarbon Refrigerants as Substitute to R22,” *Int. J. Adv. Eng. Manag. Res.*, vol. 2, no. 2- pp.245-274, 2017.