



Dr. HASHIM RAED HASHIM Al-SAMMARRAIE

Ph.D. in Mechanical engineering

*Mechanical Power Engineering Techniques - Refrigeration and
Air Conditioning Branch, Al-Rafidain University, Baghdad, Iraq*

Assistant Dean for Scientific Affairs

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EDUCATION

Bachelor

Refrigeration and air conditioning
engineering technology

Alrafidain University College

2012-2016

Master

Manufacturing systems engineering

Universiti Putra Malaysia

2018-2020

doctorate of philosophy

Mechanical engineering

Universiti Putra Malaysia

2020-2024

FIELD OF RESEARCH

- Heat transfer
- Nanotechnology
- CFD
- HVAC
- Quantum dot
- Manufacturing systems

PUBLICATIONS

2023

Alsammarraie, H., Ariffin, M. K. A. M., Supeni, E. E., & Masuri, S. U. (2023). Numerical and Experimental Studies of the Nanofluid Characteristics that Effects on Heat Transfer Enhancement: Review and Comparison. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 107(2), 1-26.

2023

Alsammarraie, H., Ariffin, M. K. A. M., Supeni, E. E., & Masuri, S. U. (2023). Numerical Investigation of the Effect of Ethylene Glycol with SnFe₂O₃ Hybrid Nanofluid on Heat Transfer in Flat, Face Step, and Radial Corrugated Microchannels. CFD Letters, 15(10), 71-92.

Teaching courses

- Heat transfer
- Thermodynamics
- Theory of machines
- Strength of materials
- Fluid
- Mechanics (static-dynamic)
- HVAC
- Manufacturing systems
- Renewable sources

Editorial board member

- Far East Journal of Mechanical Engineering and Physics
- JP Journal of Solids and Structures
- Al-Rafidain Journal of Engineering Sciences (RJES)

Reviewer member

- Sigma Journal of Engineering and Natural Sciences
- Journal of Engineering Science and Technology (JESTEC)
- NANOSCIENCE & NANOTECHNOLOGY-ASIA
- Physica Scripta
- New Journal of Physics
- Asian Research Journal of Mathematics
- Al-Rafidain Journal of Engineering Sciences (RJES)

Languages

- Arabic (Native)
- English (Advanced)
- Bahasa melayu (Intermediate)
- Chinese (Beginner)

Programs

- Microsoft office
- ANSYS
- Origin lab
- AutoCAD

