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EDUCATION

- Diploma in Refrigeration systems maintenances – Najaf Institute of Technology, Foundation of Technical Education, 1994.
- B.Sc. in Nuclear/Mechanical Engineering (the undergraduate studies in the Nuclear-Mechanical engineering department is five years), Baghdad University, 1999.
- M. Sc. in Nuclear Engineering, power, Baghdad University 2002.
PhD, Mechanical Engineering, power, Basrah University, 2010,
Supervisor: Prof. Dr. A. A. Rageb.
- Assist. Prof. in Mechanical Engineering since 15/06/2014

PROFESSIONAL EXPERIENCE

Academic Employment

2014 Head, Department of Aeronautical Engineering, Engineering Technical College - Najaf
2013 Head, Department of Automobiles Engineering, Engineering Technical College - Najaf
2013 Present, lecturer, Department of Automobile Engineering- Engineering Technical College - Najaf.
2009 Researcher at the Cardiff University, School of Engineering – Wales – UK.
Supervisor: Prof. A. J. Griffiths.
2006-2007 Assistant lecturer, Automobiles head department. Engineering Technical College - Najaf ,
Foundation of Technical Education.
2002–2005 Engineer, Ministry of Sciences and Technology, Baghdad, Iraq

Teaching Experience

The teaching experience includes Engineering courses such as thermodynamic AE121 for 1st level, Heat transfer AE324 for 3rd level, Engineering and Numerical Analysis AE353 for 3rd level, Advanced computer Engineering programs, Mat lab , Fluent and CFX Ansys AE343 for 3rd level.

Research Interest Areas

Fluid and heat transfer, multi-phase flow, heat exchanger, renewable energy, engineering and numerical analyses.

Supervision of M. Sc. Students

- 1- Mr. Anmar Adnan Abbas, Technical College/Baghdad, Department of Refrigeration and Air Conditioning Eng.
- 2- Mr. Nofil Radi, Engineering College, Department of Mech. Eng./Basrah University.

PUBLICATIONS

- [1] Hameed B. Mahood, Ali S. Baqir, and Farhan L. Rasheed, Two-Phase pressure drop through obstructions, Iraqi Journal of Chemical and Petroleum Engineering, university of Baghdad, 2003, Vol. 4, June, 49-55.
- [2] Mikdam M. Saleh, Ali Shakir Baqir, DESIGN AND PERFORMANCE OF A PERCOLATOR FOR AQUA-AMMONIA LIQUID, Journal of Engineering, University of Baghdad, no. 1, Vol. 11, March 2005, page 33-49.
- [3] Hameed Balassim Mahood and Ali S. Baqir, Thin – layer Drying and Rewetting Models to Predict Moisture Diffusion in Spherical Agricultural Products, A scientific and Refreed Journal Issued by University of ThiQar, Vol. 3, no. 4, 2006, 301-312.
- [4] Ali S. Baqir, Kareem Jaafer and Hameed Balassim Mahood, Void fraction and submergence ratios effects on a bubble pump performance, 1st Scientific Conf. Tech. College – Najaf, 2008, pages 289-302.
- [5] Hameed B.M, Najim A. J., Abouther T. H. and Ali S. B., Two-Phase bubble condensation through direct-contact heat transfer of two immiscible liquids, 2nd F.T.E. Scientific International Conference, Najaf Tech. College, 2010, pages 351-364.
- [6] Ali S. Baqir, A. A. Rageb and A. Al-Sharaa, Vaporization of single liquid drops in an immiscible liquid: Concentric spheres Model, 3rd Scientific Conference, College of Engineering, university of Babylon, 2011, pages
- [7] Ali S. Baqir, A. J. Griffiths and A. A. Rageb, Vaporization of single n-pentane liquid drop in a flowing distilled, Vaporization of single liquid drops in an immiscible liquid: Concentric spheres Model , 3rd Scientific Conference, College of Engineering, university of Babylon, 2011, pages
- [8] Ali Shakir Baqir, Parametric study on a prediction the drag coefficient for a single growing bubble in uniformly superheated pure liquids, Al-Qadisiya Journal for Engineering Sciences, Vol. 5, No. 3, 2012, pages 314-324.
- [9] Ali. S. Al-Jaberi , A. J. Griffiths , A. A. Rageb, Volumetric Heat transfer Coefficient for Direct Contact Evaporation Immiscible liquid In Spray, 3rd F.T.E. Scientific International Conference, Najaf Tech. College, 2013, pages 519-533.
- [10] Ali Shakir Baqir, Effect of axial rib pitch to rib height ratio and blockage ratio on drag and heat transfer from an in-line array of three spheres, , 3rd F.T.E. Scientific International Conference, Najaf Tech. College, 2013, pages 503-518.
- [11] Ali Shakir Al-Jaberi , Ahmed Kasim, Anmar Adnan, Heat transfer enhancement and pressure drop reducing over perforated pin fins heat sinks system, The Iraqi Journal For Mechanical And Material Engineering, Vol.14, No2, 2014

- [12] Ali Shakir Al-Jaberi ,Majid H. M., and Bassam A. Saheb, Circular fins with slanted blades attached on the copper pipe: Uniform heat flux and isothermal processes, International Journal of Mechanical Engineering and Technology (IJMET), ISSN 0976 – 6340(Print),ISSN 0976 – 6359(Online), Volume 5, Issue 5, May (2014), pp. 133-143 © IAEME.
- [13] Ali Shakir, Ammar Ali, and, Nofil M. Baqer, Numerical investigation for enhancement of heat transfer in internally finned tubes using ANSYS CFX program, Basrah Journal of Engineering Sciences, Engineering College, University of Basrah.