Curriculum Vitae

Dr. TAHSEEN AHMAD TAHSEEN (TAHSEEN A. TAHSEEN)
TITLE: Professor
Department of Mechanical Engineering
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ACADEMIC QUALIFICATIONS

P.hD., 2014: Mechanical Engineering, Universiti Malaysia Pahang, Malaysia, 2014

M.Sc., 2003: Mechanical Engineering/ Power, Tikrit University, Iraq, 2003

B.Sc., 2000: Mechanical Engineering (1st on Class), Tikrit University, Iraq, 2000

WORKING EXPERIENCES / APPOINTMENT

March 2018	Professor, Tikrit University
December 2010	Assistant Professor, Tikrit University
May 2008 - December 2010	Lecture, Tikrit University
November 2004 -May 2008	Assistant Lecture, Tikrit University

AREA OF INTERESTS

- **CONVECTION HEAT TRANSFER (NUMERICAL & EXPERIMENTAL)**
- **HEAT TRANSFER IN CASTING AND WELDING (NUMERICAL & EXPERIMENTAL)**
- **COMPUTATIONAL FLUID DYNAMICS**
- **FINITE VOLUME METHODS (FVM) AND ANALYSIS**
- **BODY FITTED COORDINATES (BFC)**

TRAINING COURSES

- Writing Course - Universiti Malaysia Pahang, Malaysia
- Methodology Course - Universiti Malaysia Pahang, Malaysia
- Nastran & Patran MSC Software Course - Universiti Malaysia Pahang, Malaysia
- High Impact Factor Journal Course - Universiti Malaysia Pahang, Malaysia

UNDERGRADUATE TEACHING EXPERIENCE

I was appointed in Mechanical Engineering Department/ Tikrit University, Iraq in 6th November 2004.

- Mathematics (Calculus I and II)
- Engineering Mechanics (Static)
- Engineering drawing
- Descriptive geometry
- Engineering Analysis
- Thermodynamics
- Heat Transfer
- Fluid Mechanics II and Turbomachinery
- Internal Combustion Engines

Technical College/ Kirkuk, Iraq

- Mathematics (Calculus II)
- Heat Transfer
- Internal Combustion Engines
- Control& Measurements

Technical Institute/ Haweeja, Kirkuk, Iraq

- Produce Process
- Engineering Mechanics (Static)
- Engineering Drawing

POSTGRADUATE TEACHING EXPERIENCE

- Advanced Fluid Mechanics

EDITORIAL BOARD MEMBERS

- Tikrit Journal of Engineering Science (TJES)
- Journal of Advanced Sciences and Eng. Technologies (JASET)

REVIEWER IN PEER REVIEWED JOURNALS

1- Energy Conversion and Management-Journal-Elsevier.
2- International Communications in Heat and Mass Transfer-Elsevier.
3- International Journal of Heat and Mass Transfer-Elsevier.
4- Case Studies in Thermal Engineering Journal – Elsevier.
5- Journal of Renewable and Sustainable Energy.
6- Journal of Engineering and Technology Research.
7- World Science Research Journal.

Other IDs

SCOPUS ID

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Researcher ID

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LIST OF PUBLICATIONS (JOURNALS)

1. Farouq M. Madi, Sami R. Aslan and **Tahseen A. Tahseen,** 2004. Study the effect of freezing condition on the piping porosities and the microstructure of the Al-4.68% Cu, *Tikrit Journal of Engineering Sciences,* 11(1): 1-23.
2. Atalah H. Jasim, **Tahseen A. Tahseen** and Sherzad M. Ali, 2007. Transient forced convection laminar heat transfer for a tube filled with porous media in the iterance region, *Tikrit Journal of Engineering Sciences*, 14(3): 60-66
3. Adnan M. Hussein, **Tahseen A. Tahseen** and Atalah H. Jasim, 2009. Convection concentric between two cylindrical with porous media, *Journal of Kirkuk University–Scientific Studies*, 4(2): 55-71.
4. **Tahseen A. Tahseen**, 2011. An experimental study for mixed convection through a circular tubes filled with porous media and horizontal an inclined, *Modern Applied Science*, 5(2): 128-142. (Scopus Indexed)
5. **Tahseen A. Tahseen**, M. Ishak, M.M. Rahman, 2012. Analysis of laminar forced convection of air for crossflow over two staggered flat tubes, *International Journal of Automotive & Mechanical Engineering*, 6: 755-767. (Scopus Indexed)
6. **Tahseen A. Tahseen**, M. Ishak, M.M. Rahman, 2012. A numerical study of forced convection heat transfer over a series of flat tubes between parallel plates, *Journal of Mechanical Engineering and Sciences*, 3: 271-280. (Scopus Indexed)
7. Manar S. Mahdi, **Tahseen A. Tahseen** and Adnan M. Hussein, 2012. Thermally developing forced convection in a horizontal equilateral triangular channel, *Tikrit Journal of Engineering Sciences*, 19 (3): 58-67.
8. **Tahseen A. Tahseen**, Ishak, M. and Rahman, M. M. 2013. Laminar forced convection heat transfer over staggered circular tube banks: A CFD approach. *Journal of Mechanical Engineering and Sciences*, 4, 418–430. (Scopus Indexed)
9. Ishak, M., **Tahseen A. Tahseen** and Rahman, M. M. 2013. Experimental investigation on heat transfer and pressure drop characteristics of air flow over a staggered flat tube bank in cross-flow. *International Journal of Automotive & Mechanical Engineering*, 7, 900–911. (Scopus Indexed)
10. **Tahseen A. Tahseen**, Ishak, M. and Rahman, M.M. 2013. A numerical study laminar forced convection of air for in–line bundle of cylinders crossflow, *Asian Journal of Scientific Research*. 6 (2): 217–226. (Scopus Indexed)
11. **Tahseen A. Tahseen**, Ishak, M. and Rahman, M. M. 2014. Performance predictions of laminar heat transfer and pressure drop in an in-line flat tube bundle using an adaptive Neuro-Fuzzy Inference System (ANFIS) model. *International Communications in Heat and Mass Transfer,* 50, 85–97. (Elsevier Publisher; IF = 3.718; Journal Ranking = Q1)
12. **Tahseen A. Tahseen**, Rahman, M.M. and Ishak, M. 2014. An experimental study air flow and heat transfer over in–line bank of flat tubes. *International Journal of Automotive & Mechanical Engineering*, 9: 1487–1500. (Scopus Indexed)
13. **Tahseen A. Tahseen**, Ishak, M. and Rahman, M.M. 2014. An experimental study of heat transfer and friction factor characteristics of finned flat tube banks with in–line tubes configurations. *Applied Mechanics and Materials*, 564: 197–203. (Scopus Indexed)
14. **Tahseen, Tahseen A.,** Ishak, M. and Rahman, M.M. 2015. An overview on thermal and fluid flow characteristics in a plain plate finned and unfinned–tube banks heat exchanger.

Renewable and Sustainable Energy Reviews, 43: 363–380. (Elsevier Publisher; IF = 8.050; Journal Ranking = Q1)

15. **Tahseen A. Tahseen**, Ishak, M. and Rahman, M.M. 2015. Heat transfer and pressure drop prediction in an in-line flat tube bundle by radial basis function network. *International Journal of Automotive & Mechanical Engineering*, 10: 2003-2015. (Scopus Indexed)
16. **Tahseen, Tahseen A.**, Rahman, M.M. and Ishak, M. 2015.Experimental study on heat transfer and friction factor in laminar forced convection over flat tube in channel flow. *Procedia Engineering*, 105: 46-55. (Elsevier Publisher)
17. **Tahseen, Tahseen A.**, Rahman, M.M., Ishak, M. 2015. Effect of tube spacing, fin density and Reynolds number on overall heat transfer rate for in-line configuration. *International Journal of Automotive & Mechanical Engineering*, 12: 3065-3075. (Scopus Indexed; Journal Ranking = Q2)
18. **Tahseen, Tahseen A.**, Ishak, M., Mustafa, Ahmed W. and Rahman, M. M. 2015. Experimental investigate on forced convective heat transfer and friction factor of air flow over an aligned round and flattened tube banks. *Thermal Science*. (Acceptance). (IF = 1.2).
19. **Tahseen, Tahseen A.,** Rahman, M.M. and Ishak, M. 2015. Optimal configuration for maximizing heat transfer rate density in staggered un-finned and finned flat tube heat exchanger in forced convention. *Applied Thermal Engineering,* (Revision). (Elsevier Publisher; IF = 3.356; Journal Ranking = Q1)
20. Jassim A. H., Rahman, M.M., Hamada, K. I., Ishak, M., Tahseen A. Tahseen. 2018. Hybrid CFD-ANN scheme for air flow and heat transfer across in-line flat tubes array. *Tikrit Journal of Engineering Sciences*: 1-9. (Acceptance)

LIST OF PUBLICATIONS (CONFERENCE)

21. **Tahseen A. Tahseen**, 2007. Experimental study for heat transfer enhancement by laminar forced convection from horizontal tube heated with constant heat flux, using two types of porous media, *1st Scientific Conference Technical Authority Educating-Baghdad*, Baghdad, Iraq, 28th -29th April: 1-17.
22. Omer K. Ahmed, **Tahseen A. Tahseen**, Mahmood H. Ali, 2008. Study the optimum performance of the solar energy field, that suitable for Iraq environment, *1st Scientific Conference Technical College-Najaf*; 16th -17th March; Najaf, Iraq: pp. 129-143.
23. **Tahseen A. Tahseen**, Ishak, M. and Rahman, M.M. 2013. Estimation of heat transfer and pressure drop in an in–line flat tubes bundle by Radial Basis Function Network (RBFN). Malaysian Technical Universities Conference on Engineering & Technology (MUCET 2013), 3rd– 4th December, MS Garden Hotel, Kuantan, Pahang, Malaysia.
24. **Tahseen A Tahseen**, Gaeid, K. S., Ajel, A. R., Mahdi, M. S. 2017. Performance prediction for a forced convection in a equilateral triangular channel based on intelligent control. *The First International Conference for Engineering Researches*, Baghdad, Iraq, 1st -2nd Mach: pp. 37-47.
25. Yassen, T. A., Waes, M. M., Ahmed, O. K., **Tahseen A. Tahseen**, Baharom, M.B. 2018. Performance investigation on an integrated multi-stage cylindrical-tank solar water heater. *6th International Conference on Production, Energy and Reliability (ICPER 2018)*, Kuala Lumpur, Malaysia, 13-14 August 2018: pp. 1-14. (Acceptance)

LIST OF AWARDS

1. Mahadzir Ishak, **Tahseen A. Tahseen**, Md Mustafizur Rahman and Muhamad Rozikin bin Kamaluddin. 2013. The low–speed open circuit wind tunnel: design, dimensions and

operating characteristics. *Creation, Innovation, Technology & Research Exposition* (CITReX), 27th–28th March, Universiti Malaysia Pahang, Gambang, Pahang, Malaysia (Silver Medal).

2. Mahadzir Ishak, **Tahseen A. Tahseen**, Md Mustafizur Rahman and Muhamad Rozikin bin Kamaluddin. 2013. The low–speed open circuit wind tunnel, *International Conference and Exposition on Invention of Institutions of Higher Learning* (PECIPTA13), 7th–9th November, Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia (Silver Medal).
3. Md Mustafizur Rahman, **Tahseen A. Tahseen**, and Mahadzir Ishak, 2014. A novel approach to emoirical correlations of heat transfer and loading capacity for low speed wind tunnel. *Creation, Innovation, Technology & Research Exposition* (CITReX), 5th–6th March, Universiti Malaysia Pahang, Gambang, Pahang, Malaysia (Silver Medal).