

Curriculum Vitae



Dr. TAHSEEN AHMAD TAHSEEN (TAHSEEN A. TAHSEEN)

TITLE: Assistance 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

December 2010	Present 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

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.

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*.

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 iteration 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 = 2.124; 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 = 5.510; 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.**, 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).
18. **Tahseen, Tahseen A.**, Rahman, M.M. and Ishak, M. 2015. Thermal-hydraulic analysis on air flow in an in-line flat tube heat exchanger using hybrid CFD-ANN approach. *Case Studies in Thermal Engineering*: (Revision). (Elsevier Publisher- Scopus Indexed)
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 convection. *International Journal of Heat and Mass Transfer*, (Revision). (Elsevier Publisher; IF = 2.24; Journal Ranking = Q1)
20. Hussein, Omar A., **Tahseen, Tahseen, A.** and Abd, Fyadh M. 2016. Turbulence combined convective heat transfer and nanofluids flows over double forward facing steps. *Case Studies in Thermal Engineering*: (under review). (Elsevier Publisher- Scopus Indexed).
21. **Tahseen, Tahseen, A.**, Humada, K.I. and Mahmmod, M.M., 2016. Thermal-hydraulic analysis using artificial neural networks approach with CFD data with air flow over staggered flat tube heat exchangers. (Under writing).
22. Mahdi, F.M., Ali, M.H., Aslan, S.R. Tahseen, Tahseen A. 2016. Numerical simulation of heat transfer during solidification of Al-4.5%Cu alloy ingots casted in a cylindrical mold. (Under review).

LIST OF PUBLICATIONS (CONFERENCE)

23. **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.
24. 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: 129-143.
25. **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.

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).