

## **EDUCATION**

- PhD, Mechanical Engineering, 2002, University of Iowa, USA.
- M.Sc, Mechanical Engineering, 1989, Jordan University of Science and Technology, JORDAN.
- B.Sc, Mechanical Engineering, 02/1986, Yarmouk University, JORDAN.

## **ACADEMIC EXPERIENCE**

- University of Sharjah, UAE, Associate Professor: 2016 – to date.
- Mutah University, JORDAN, Professor: 02/2016 – 08/2016
- Mutah University, JORDAN. Associate Professor: 2014 – 2016
- Majmaah University, Saudi Arabia. Associate Professor: 2013 – 2014
- Mutah University, JORDAN. Associate Professor: 2012 –2013
- Taibah University, Saudi Arabia. Associate Professor: 2011 –2012
- Mutah University, JORDAN. Associate Professor: 2010 –2011
- Mutah University, JORDAN. Assistant Professor: 2004 –2010.
- Mutah University, Mechanical Engineering Department, Acting Department Chairman: 2006 –2007.
- University of Iowa, USA. Postdoctoral Research Scholar: 2002 –2004.
- University of Iowa, Department of Mechanical Engineering, USA. Teaching/Research Assistant: 1998 - 2002.

## **INDUSTRIAL EXPERIENCE**

- Consultant: 2003 –2004, Praxair Surface Technologies, Indiana, USA.
- Office Planning Engineer: 1994 – 1998, Consolidated Contractors International Company, Athens, GREECE.
- Field Mechanical Engineer: 1990 – 1994, Consolidated Contractors International Company, Athens, GREECE.

## **SCHOLARSHIPS AND AWARDS**

- The ASAI Tuition Scholarship, ASAI, New Jersey, U.S.A (1998, for two-years).
- Nominated for a Scholarship by Mutah University, Jordan, to pursue a graduate studies towards the Ph.D degree in Mechanical Engineering (1993: selected out of 40 candidates).
- Nominated for a Scholarship by Mutah University Jordan, to pursue graduate studies towards the M.Sc & Ph.D degrees in Mechanical Engineering (1986: selected out of 100 candidates).
- The Jordanian Ministry of Education Award for high academic achievement (1984).
- The Jordanian Ministry of Education Scholarship, Jordan (1981, for five years).

## **Departmental/College/University COMMITTEES**

- Member, College Students' Disciplinary Committee, University of Sharjah.
- Member, University Publications and Translation Committee, Majmaah University
- Member, University Promotions Committee, Majmaah University, Saudi Arabia.

- Head, College of Engineering ABET Committee, Majmaah University, College of Engineering, Saudi Arabia
- Member, Curriculum Committee, Mutah University, Mechanical Engineering Department.
- Member, ABET Committee, Mutah University, Mechanical Engineering Department.
- Member, Curriculum development of the Master Program in Mechanical Engineering at Mutah University.

### **PROFESSIONAL DEVELOPMENT**

- MSc Thesis Examination Committee Member, Mutah University.
- External Examiner, PhD Thesis, University of Jordan.
- Reviewer to many international journals.

### **Selected Publications:**

- K. M. Ramadan, Mohammed Kamil, I. Tlili, O. Qisieh, Analysis of Thermal Creep Effects on Fluid Flow and Heat Transfer in a Microchannel Gas Heating, ASME Journal of Thermal Science and Engineering Applications,
- Khalid M. RAMADAN, Analysis of Conjugate Heat Transfer of a Thermally Developing Flow in a Microtube, Journal of Thermal Science and Technology 14 (2), 2019, JTST0021-JTST0021(JSME)
- Mohammed Kamil, Khalid Mustafa Ramadan, Omar I. Awad, Thamir K. Ibrahim, Abrar Inayat, Xiao Ma, Environmental impacts of biodiesel production from waste spent coffee grounds and its implementation in a compression ignition engine, Vol. 675, 2019, pp. 13-30, <https://doi.org/10.1016/j.scitotenv.2019.04.156>
- Mohammed Kamil and M. S. Bataineh, Conjugate Heat Transfer in a Microchannel Simultaneously Developing Gas Flow: A Vorticity Stream Function-Based Numerical Analysis, J. Thermal Sci. Eng. Appl. 2019;11(6):061011-061011-13. doi:10.1115/1.4043468.
- Tlili, W. A. Khan, and Ramadan, K., " MHD Flow of Nanofluid Flow Across Horizontal Circular Cylinder: Steady Forced Convection", Journal of Nanofluids (American Scientific Publishers), Vol. (8) No.1, 2019, pp. 179-186.
- K. M. Ramadan, "Numerical Analysis of Conjugated Convection-Conduction Heat Transfer in a Microtube Gas Flow", ASME Journal of Thermal Science and Engineering Applications. 2018;11(1):011004-011004-11. doi:10.1115/1.4040991.
- K. M. Ramadan, "Pressure Work and Viscous Dissipation Effects on Heat Transfer in a Parallel-Plate Microchannel Gas Flow", Journal of Mechanics (Cambridge University Press)Published online: 27 November 2017, pp. 1-12, <https://doi.org/10.1017/jmech.2017.105>.
- I. Tlili, W. A. Khan, and K. Ramadan, "Entropy Generation due to MHD Stagnation Point Flow of a Nanofluid on a Stretching Surface in the Presence

of Radiation", *Journal of Nanofluids* (American Scientific Publishers), Vol. (7) No.5, 2018, pp. 879-890.

- K. M. Ramadan, "Effects of pressure work, viscous dissipation, shear work and axial conduction on convective heat transfer in a microtube", *Case Studies in Thermal Engineering*, 10 (2017) 370–381.
- K. Ramadan, " The Role of the Shear Work in Microtube Convective Heat Transfer: A Comparative Study", *Journal of Heat Transfer- Transactions of the ASME*, 138(1), January 2016, DOI: 10.1115/1.4031107.(ASME).
- K. Ramadan, Iskander Tlili, " Shear Work, Viscous Dissipation and Axial Conduction Effects on Microchannel Heat Transfer with a Constant Wall Temperature", *Proc IMechE Part C:J Mechanical Engineering Science*, 230(14) August, 2016, pp. 2496-2507, DOI: 10.1177/0954406215598799. (SAGE)
- I. Tlili, "A Numerical Study of the Extended Graetz Problem in a Microchannel with a Constant Wall Heat Flux: Shear Work Effects on Heat Transfer", *Journal of Mechanics*, 31(6) 2015, pp. 733-743, DOI: 10.1017/jmech.2015.29. (Cambridge University Press)
- K. Ramadan, "A Numerical Study of Impulsively Started External Convection at Microscale, *Journal of Mechanics*, 31(1), 2015, pp. 79-90. (Cambridge University Press)
- Khalid M Ramadan, "Slip Effects on Steady and Transient Stagnation-Point Heat Transfer in Axisymmetric Geometries", *Proc IMechE Part C:J Mechanical Engineering Science*, 228(15) 2014, pp. 2765 – 2777. (SAGE)
- K. Ramadan, M. A. Al-Nimr, "On Impulsively Started Convection: The Case of Stagnation Point Flow", *International Journal of Thermal Sciences*, Vol. 50(12), 2011, pp. 2355-2364. (Elsevier)
- K. Ramadan, W. R. Tyfour, M. A. Al-Nimr, "On the Analysis of Short-Pulse Laser Heating of Metals Using the Dual Phase Lag Heat Conduction Model". *Journal of Heat Transfer – Transactions of the ASME*, Vol. 131(11), 2009, Paper No. (111301). *Listed within the top 10 most downloaded articles in September and October, 2009.* (ASME)
- K. Ramadan, M. A. Al-Nimr, "Analysis of Transient Heat Transfer in Multilayer Thin Films with Nonlinear Thermal Boundary Resistance", *International Journal of Thermal Sciences*, Vol. 48, 2009, pp. 1718–1727. (Elsevier)
- K. Ramadan, "Semi-Analytical Solutions for the Dual Phase Lag Heat Conduction in Multilayered Media". *International Journal of Thermal Sciences*, Vol. 48, 2009, pp. 14–25. (Elsevier)
- K. Ramadan, M. A. Al-Nimr, "Thermal Wave Reflection and Transmission in a Multilayer Slab with Imperfect Contact Using the Dual-Phase-Lag Model". *Heat Transfer Engineering*, Vol. 30(8), 2009, pp. 677-687. (Taylor & Francis)
- K. Ramadan, M. A. Al-Nimr, "Analysis of the Thermal Behavior of a Multilayer Slab with Imperfect Contact Using the Dual Phase Lag Heat Conduction Model". *Journal of Heat Transfer – Transactions of the ASME*, Vol. 130 (7), 2008, Paper No. 074501. (ASME)

- K. Ramadan, "Treatment of the Interfacial Temperature Jump Condition with Non-Fourier Heat Conduction Effects". *International Communications in Heat and Mass Transfer*, 35, 2008, pp. 1177-1182. (Elsevier)
- K. Ramadan, P. B. Butler, "Analysis of Gas Phase Evolution and Shock Wave Decay in Detonation Thermal Spraying Systems", *Journal of Thermal Spray Technology*, Vol. 13, No. 2, 2004, pp. 239-247. (Springer)
- K. Ramadan, P. B. Butler, "Analysis of Particle Dynamics and Heat Transfer in Detonation Thermal Spraying", *Journal of Thermal Spray Technology*, Vol. 13, No. 2, 2004, pp. 248-257. (Springer)
- K. Ramadan, P. B. Butler, "A Two-dimensional Axisymmetric Flow Model for the Analysis of Pulsed Detonation Thermal Spraying", *Combustion Science and Technology*, Vol. 175, No. 9, 2003, pp. 1649-1677. (Taylor & Francis)