

1. Name: **Afzal Husain**
2. Education – degree, discipline, institution, year: -
 - Ph.D. Mechanical Engineering, Inha University, Incheon, South Korea, 2010
 - M.Tech. Mechanical Engineering, Aligarh Muslim University, Aligarh, India, 2005
 - B.E. Mechanical Engineering, Aligarh Muslim University, Aligarh, India, 2003
3. Academic experience – institution, rank, title (chair, coordinator, etc. if appropriate), when (ex. 1990-1995), full time or part time: -
 - Mechanical & Industrial Engineering Department, Sultan Qaboos University
Assistant Professor, 2012 – present, full time
 - Mechanical Engineering Department, Inha University, South Korea, 2010-2012, full time
4. Non-academic experience – company or entity, title, brief description of position, when (ex. 1993-1999), full time or part time: -
5. Certifications or professional registrations: -
6. Current membership in professional organizations: -
 - American Society of Mechanical Engineers (ASME)
 - Oman Society of Engineers (OSE)
 - Solar Energy Society of India (SESI)
 - International Association of Engineers (IAENG)
7. Honors and awards: -
 - Best Researcher Award, College of Engineering, Inha University, 2009
 - Jungseok International Doctoral Fellowship, Govt. of South Korea, 2006 – 2010
8. Service activities (within and outside of the institution): -
 - Conducted workshops on ANSYS to senior level university students
 - Reviewer for several international journals including Applied Thermal Engineering, Journal of Thermophysics and Heat Transfer, Heat and Mass Transfer, Microfluidics Nanofluidics, The Journal of Engineering Research, Geosystem Engineering, Sustainable Technologies and Assessments, International Journal of Marine Engineering, Microsystem Technologies and several other journal.
 - Associate Editor, Petroleum & Petrochemical Engineering Journal, (PPEJ) (20018 - present)
 - Associate Editor, International Journal of Advanced Production and Industrial Engineering, (2016 – present)
 - International Advisory Board, International conference on Recent Advances in Mechanical Engineering, RAME-2016.
 - Chair, Teaching Peer Review Committee (2017 - present)
 - Chair, Final Year Project Committee, Mechanical and Industrial Engineering Department, SQU, (2015 - present)
 - Chair, Seminar Committee, Mechanical and Industrial Engineering Department, SQU, (2014 to 2015)

9. Briefly list the most important publications and presentations from the past five years: -
- K. Laxman, **A. Husain**, A. Nasser, M. Al-Abri, J. Dutta, Tailoring the pressure drop and fluid distribution of a capacitive, *Desalination*, Vol, 449, 2019, pp. 111-117
 - S. A. I. Bellary, A. Husain, Abdus Samad, Effect of design parameters on the performance of centrifugal pump delivering crude oil, *The Journal of Engineering Research*, Vol. 15(1) (2018) pp. 88-101
 - **A. Husain**, F. A. Khan, N. Huda, M. A. Ansari, Mixing performance of split and recombine micromixer with offset inlets, *Microsystem Technologies*, Vol., 24, pp. 1511-1523 (2018),
 - N. Benkari, I. Fazil, **A. Husain**, Design and performance comparison of two patterns of wind-catcher for a semi-enclosed courtyard, *International Journal of Mechanical Engineering and Robotics Research*, Vol. 6(5) (2017), 396-400
 - **A. Husain**, M. Ariz, Thermal performance of jet impingement with spent flow management, *International Journal of Engineering*, Vol. 30(10) (2017), 1599-1608
 - **A. Husain**, M. Ariz, N.Z.H. Al Rawahi, M.Z. Ansari, Thermal performance analysis of a hybrid micro-channel, -pillar and jet-impingement heat sink. *Applied Thermal Engineering*, Vol. 102, 2016, pp 989-1000.
 - Mohd. Ariz, Noorul Huda, **A. Husain**, Thermal performance analysis of jet impingement with effusion scheme, *Procedia Engineering*, Vol. 127, 2015, 110-117.
 - **A. Husain**, Nasser A. Al-Azri, Abdus Samad, Kwang-Yong Kim, Performance Analysis of Wall-Unconfined Multiple Micro-Jet Impingement Heat Sink, *The Journal of Engineering Research*, Vol. 13, No. 1, 2016, 58-71.
 - **A. Husain**, N.A. Al-Azri, N.Z. Al-Rawahi, A. Samad, Comparative performance analysis of multiple micro-jet impingement cooling models with different spent-flow schemes. *Journal of Thermophysics and Heat Transfer*, Vol. 30, No. 2, 2016, 466-472.
 - S. A. I. Bellary, **A. Husain**, Abdus Samad, Effectiveness of meta-models for multi-objective optimization of centrifugal impeller, *Journal of Mechanical Science and Technology*, Vol. 28, No. 12, (2014), 4947-4957
 - **A. Husain**, F. A. Khan, N. Z. Al-Rawahi, A. Samad, Blood flow and mixing analysis in split and recombine micromixer with offset fluid inlets, In: *Proceedings of the ASME 2018 5th Joint US-European Fluids Engineering Division Summer Meeting*, Montreal, Quebec, Canada, 15-20 July 2018.
10. Briefly list the most recent professional development activities: -
- *Research Based Teaching*, by Peter Looker, SQU, Feb. 27, 2018.
 - *Critical Thinking Skills for the 21st Century*, by Nikos Mourtos, SQU, Oman, 16 May 2017
 - *Alternative Instructional Strategies*, by Nikos Mourtos, SQU, Oman, 18 May 2017
 - *Introduction to CDIO Initiative*, by Juha Kontio, SQU, Oman, May 17-19, 2016
 - *How to Teach Engineering Students Process Skills?* by N. Mourtos, SQU, 26-28 May 2015
 - *Intellectual Property Rights and Patent Search*, SQU, Nov. 2015.
 - *Designing Teaching to Help Students Learn What You Want*, by Daniel Bernstein, SQU, Apr. 16, 2015.