CURRICULUM VITAE
(Brief)

Dr. Amimul Ahsan
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Education

- PhD / University of Fukui, Japan / Environmental Engineering.
- M.Sc. Engg./ Khulna University of Engineering and Technology, Bangladesh / Environmental Engg.
- B.Sc. Engg./ Khulna University of Engineering and Technology, Bangladesh / Civil Engineering.

Areas of Interest

Water and Environmental Engineering; Surface/Saline Water Treatment; Wastewater; Activated Carbon Adsorption; Solar Desalination; Solid/Hazardous Waste Management-Modeling, Composting, Landfill; Leachate Treatment, Rainwater Harvesting; Groundwater Treatment-Arsenic, Iron Removal; Water Pollution Control.

Professional Qualification/ Membership/ Affiliation

1. ASCE. American Society of Civil Engineers, USA.
2. mSET. Malaysian Society for Engineering and Technology, Malaysia.
3. AENG. International Association of Engineers, Hong Kong.
4. IACMAG. International Association for Computer Methods and Advances in Geomechanics, USA.
5. IEB. Institute of Engineers, Bangladesh; M/27187, Life Member, Bangladesh.

Appointments

Position	Duration
1. Senior Lecturer, Department of Civil Engineering, Faculty of Engineering, University Putra Malaysia, Malaysia	April, 2010-to date
2. Research Associate, Materials Processing and Technology Lab, Institute of Advanced Technology (ITMA), University Putra Malaysia, Malaysia	1 May, 2011-to date
3. Mentor, English Immersion Program, Faculty of Engineering, University Putra Malaysia, Malaysia	1 May, 2013-December, 2013
4. Student Advisor, Department of Civil Engineering, Faculty of Engineering, University Putra Malaysia, Malaysia.	1 July, 2010-to date

5. Teaching Associate, Department of Architecture and Civil Engineering, University of Fukui, Japan. Oct 2008-March, 2009

6. Lecturer, Department of Architecture, Khulna University, Bangladesh. 02.2006-09.2006

Publications

Journals (Mostly ISI)

1. H.A. Arafat, K. Jijakli, A. Ahsan (2015). Environmental performance and energy recovery potential of five processes for municipal solid waste treatment. Journal of Cleaner Production, Available online. Elsevier. (ISSN 0959-6526) (ISI)

2. A Abdulsalam, A Idris, TA Mohamed, A Ahsan (2015). Radiation modeling and performance evaluations of fixed, single and double axes tracking surfaces: A case study for Dhahran city, Saudi Arabia. *International Journal of Sustainable Energy*, Taylor & Francis. In online. pISSN 1478-6451, eISSN 1478-646X. (**SCOPUS**)

3. M. El-Sergany, A. Ahsan, MMA Aziz (2015). Paper Recycling Mill Effluent Treatment Plant- Case Study for Optimizing Treatment Plant Performance. *Sains Malaysiana* (UKM) 44(1), (2015): 101-106. ISSN: 0126-6039. **(ISI)**

4. M. Imteaz, U. Paudel, C. Matos, A. Ahsan (2015). Generalized equations for rainwater tank outcomes under different climatic conditions: a case study for Adelaide. *International Journal of Water*. Inderscience Publisher. (pISSN: 1465-6620; eISSN: 1741-5322) In online. **(Scopus)**

5. Nik Daud NN, Abu Mansor SN, Ahsan A, Idrus S. 2015. Leachate Treatment by using Aged Refuse (AR) as a Biofilter Medium. Polish Journal of Environmental Studies. 24, 2, 605-609. **(ISI)**.

6. A Abdulsalam, A Idris, TA Mohamed, A Ahsan (2015). The development and applications of solar pond: a review. *Desalination and Water Treatment*, 53 (9) 2437-2449. Taylor & Francis (ISSN 1944-3994; eISSN: 1944-3986). **(ISI)**

7. MM Rahman, MAM Salleh, U Rashid, A Ahsan, MM Hossain, CS Ra (2014). Production of slow release crystal fertilizer from wastewaters through struvite crystallization-A review. Arabian Journal of Chemistry, 7 (1), 139-155. Elsevier. (ISSN 1878-5352) (ISI)

8. Huda ASN, S Mekhilef, A Ahsan (2014). Biomass energy in Bangladesh: Current status and prospects. Renewable and Sustainable Energy Reviews, 30, 504-517. Elsevier. (ISSN 1364-0321) (ISI)

9. A. Ahsan, M. Imteaz, U.A. Thomas, M. Azmi, A. Rahman, N.N. Nik Daud (2014). Parameters affecting the performance of a low cost solar still. Applied Energy 114, (2014) 924-930. Elsevier. (ISSN 0306-2619). (ISI)

10. A. Ahsan, M. Alamgir, M.M. El-Sergany, S. Shams, M.K. Rowshon, N.N.N. Daud (2014). Assessment of municipal solid waste management system in a developing country. Chinese Journal of Engineering, 561935; 1-11. 2014. ISSN. 2314-8063. (DOAJ).

11. A. Ahsan, M. Alamgir, M. Imteaz S. Shams, M.K. Rowshon, M.G. Aziz, S. Idrus (2014). Municipal Solid Waste Generation, Composition and Management: Issues and Challenges - A Case Study, Environment Protection Engineering, 3, xx. 2015. ISSN. 0324-8828. In press (ISI).

12. M.A. Imteaz, A. Ahsan (2014). MUSIC for Cost Optimisation of Stormwater Treatment Systems. International Journal of Water. Inderscience Publisher. (pISSN: 1465-6620; eISSN: 1741-5322) In

online. (Scopus)

13. Rowshon K., Mbaruk M., Marriot M.J., Amin MSM, Ahsan A., Loh, E. (2014). Geospatial water quality assessment system for the Sungai Buloh river basin in Malaysia. International Journal of Water, Inderscience Publisher. (pISSN: 1465-6620; eISSN: 1741-5322) In online. (Scopus)

14. M.M. Rahman, H. Öztop, S. Mekhilef, R. Saidur, A. Ahsan, K. Al-Salem (2014). Modeling of unsteady natural convection for double-pipe in a partially cooled enclosure. Numerical Heat Transfer, Part A: Applications (An International Journal of Computation and Methodology) 66 (5), 582-603. Taylor & Francis. (ISSN 1040-7782) (ISI)

15. A. Ahsan, N. Syuhada, E. Jolhi, K.M. Darain, MK Rowshon, M. Jakariya, S. Shafie, AH Ghazali (2014). Assessment of Distillate Water Quality Parameters Produced By Solar Still for Potable Usage. Fresenius Environmental Bulletin, 23 (3a) 859-866. (ISSN: 1018-4619). (ISI)

16. MAA Samah, LA Manaf, P Agamuthu, WNA Sulaiman, A Ahsan (2013). Real data composition of municipal solid waste (MSW) generated in Balakong, Selangor, Malaysia. Life Science Journal, 2013; 10(4): 1687-1694. ISSN: 1097-8135. (ISI)

17. A Ahsan, N. Ismail, MM Rahman, M Imteaz, A Rahman, N Mohammad, MAM Salleh (2013). Municipal Solid Waste Recycling In Malaysia: Present Scenario And Future Prospects. Fresenius Environmental Bulletin, 22 (12a), 3654-3664 (2013). ISSN: 1018-4619. (ISI)

18. MAA Samah, LA Manaf, A Ahsan, WNA Sulaiman, P Agamuthu, JL D'Silva (2013). Household Solid Waste Composition in Balakong City, Malaysia: Trend and Management. Polish Journal of Environmental Studies, 22(6), 2013, 1807-1816. ISSN. 1230-1485. (ISI)

19. K.M. Darain, A. Ahsan, A.B.M.S. Islam (2013). Assessing Structural Damages of a Heritage Building, Research in Civil and Environmental Engineering, 1 (4) 226-233. (ISSN 2345-3109). (Google scholar)

20. A.S. Rahman, A. Rahman, M.A. Zaman, K. Haddad, A. Ahsan, M. Imteaz (2013). A Study on Selection of Probability Distributions for At-site Flood Frequency Analysis in Australia. Natural Hazards, 69 (3), (2013) 1803-1813. Springer. (ISSN 0921-030X, eISSN 1573-0840) (ISI)

21. N. Syuhada, A. Ahsan, U.A. Thomas, M. Imteaz, A.H. Ghazali (2013). A Low Cost Solar Still for Pure Water Production, Journal of Food, Agriculture and Environment, 11 (2) 990-994. pISSN: 1459-0255, eISSN: 1459-0263. (ISI)

22. K.M. Darain, A.B.M.S. Rahman, A. Ahsan, A.B.M.S. Islam, B. Yusuf (2013). Brick Manufacturing Practice in Bangladesh: A Review of Energy Efficacy and Air Pollution Scenarios, Journal of Hydrology and Environment Research (Australia), 1 (1) 60-69. EnviroWater Sydney pub. (ISSN 2201-7313). (Google scholar)

23. Ahsan, A. Rahman, A. Shanableh, N.N. Nik Daud, T.A. Mohammed, ANA Mabrouk (2013). Life Cycle Cost Analysis of a Sustainable Solar Water Distillation Technique, Desalination and Water Treatment, 51 (40-42), 2013, 7412-7419. Taylor & Francis (ISSN 1944-3994; eISSN: 1944-3986). (ISI)

24. M.M. Rahman, R. Saidul, S. Mekhilef, MB Uddin, A. Ahsan (2013). Double-diffusive buoyancy induced flow in a triangular cavity with corrugated bottom wall: Effects of geometrical parameters. *International Communications in Heat and Mass Transfer*, 45 (2013), 64-74. (ISI)

25. T. Arunkumar, R. Jayaprakash, A. Ahsan, K. Vinothkumar (2013). Effect of air flow on tubular solar still efficiency. *I. J. of Environmental Health Science and Engineering*, 10 (1): 31, 1-7. (ISI)

26. M.A. Imteaz, A. Ahsan, A. Shanableh (2013). Reliability analysis of rainwater tanks using daily water balance model: Variations within a large city. *Resources, Conservation and Recycling*, 77 (2013) 37-43. (ISI)

27. MM Rahman, QH Bari, N Mohammad, A Ahsan, HR Sobuz, MA Uddin (2013). Characterization of Rice Husk Carbon Produced through Simple Technology, *Advances in Materials Science and Application*, 2 (1) 25-30.

28. T. Arunkumar, D. Denkenberger, A. Ahsan, R. Jayaprakash (2013), The augmentation of distillate yield by using concentrator coupled solar still with phase change material, *Desalination*, 314 (2013) 189–192. (ISI)

29. M.A. Imteaz, A. Ahsan, A. Rahman, F. Mekanik (2013). Modelling Stormwater Treatment Systems using MUSIC: Accuracy. *Resources, Conservation and Recycling,* 71 (2013) 15-21. (ISI)

30. T. Arunkumar, A Ahsan (2013), Effect of water flow on concentrator coupled hemispherical basin solar still, *International Journal of Applied and Natural Sciences*, 2 (1), 23-28.

31. Ahsan, A., M. Imteaz, R. Dev, HA Arafat (2013). Numerical Models of Solar Distillation Device: Present and Previous. *Desalination*, 311, (2013) 173-181. (ISI)

32. NNN Daud, NS Anuar, Z Yusoff, A Ahsan (2013). Assessment of Lake Sediments Properties and Contaminations Level. *Advanced Materials Research*, 610-613 (2013) 2100-2103.

33. T. Arunkumar, R. Jayaprakash, A. Ahsan, D. Denkenberger, M.S. Okundamiya (2013). Effect of water and air flow on concentric tubular solar water desalting system. *Applied Energy*. 103, (2013) 109-115. (ISI)

34. Rahman, MM, MAM Salleh, A Ahsan, JE Lee, CS Ra (2012). In vitro fermentation, methane emission and global warming. *Journal of Animal and Veterinary Advances,* 11 (20), 3717-3723. (ISI)

35. Arunkumara, T., R. Jayaprakasha, A Ahsan (2012), A comparative experimental testing in enhancement of the efficiency of pyramid solar still and hemispherical solar still, *IIRE International Journal of Renewable Energy*, 7 (2), 1-7.

36. T. Arunkumar, K. Vinothkumar, A. Ahsan, R. Jayaprakash, S. Kumar (2012). Experimental study on various solar still designs. *ISRN Renewable Energy*, 569381 (2012) 1-10.

37. M.M. Rahman, H.F. Öztop, A. Ahsan, J. Orfi (2012). Natural convection effects on heat and mass transfer in a curvilinear triangular cavity. *International Journal of Heat and Mass Transfer*, 55 (21-22), 6250–6259. (ISI)

38. M.A. Imteaz, A. Rahman, A. Ahsan (2012). Reliability analysis of rainwater tanks: A comparison between South-East and Central Melbourne. *Resources, Conservation and Recycling*, 66 (2012) 1-7. (ISI)

39. Ahsan, A., M. Alamgir, M. Imteaz, NNN Daud, R. Islam (2012). Role of NGOs and CBOs in Waste Management. *I. J. of Public Health*, 41 (6), 27-38. (ISI)

40. Y.C. Ching, H.F. Öztop, M.M. Rahman, M.R. Islam, A. Ahsan (2012). Finite element simulation of mixed convection heat and mass transfer in a right triangular enclosure. *International Communications in Heat and Mass Transfer,* 39 (5), 689-696. (ISI)

41. M.M. Rahman, H.F. Öztop, A. Ahsan, R. Saidur, K. Al-Salem, N.A. Rahim (2012). Laminar mixed convection in inclined triangular enclosures filled with water based Cu nanofluid. *Industrial and*

Engineering Chemistry Research, ACS Pub (USA), 51 (10), 4090-4100. (ISI)

42. Ahsan, A., M. Imteaz, A. Rahman, B. Yusuf, T. Fukuhara (2012). Design, Fabrication and Performance Analysis of an Improved Solar Still. *Desalination*, 292, 105-112. (ISI)

43. M. M. Rahman, Hakan F. Öztop, A. Ahsan, M. A. Kalam & M. M. Billah (2012): MHD Mixed Convection in a Channel with a Triangular Cavity, *Numerical Heat Transfer, Part A: Applications*, 61:4, 268-282. (ISI)

44. M.M. Rahman, H.F. Öztop, A. Ahsan, M.A. Kalam, Y. Varol, 2012, Double-diffusive natural convection in a triangular solar collector. *International Communications in Heat and Mass Transfer*, 39, 264-269. (ISI)

45. H.F. Öztop, M.M. Rahman, A. Ahsan, M. Hasanuzzaman, R. Saidur, K. Al-Salem, N.A. Rahim, 2012. MHD natural convection in an enclosure from two semi-circular heaters on the bottom wall, *International Journal of Heat and Mass Transfer*, 55, 7–8, 1844–1854. (ISI)

46. M.M. Rahman, H.F. Öztop, N.A. Rahim, R. Saidur, K. Al-Salem, N. Amin, M.A.H. Mamun, A. Ahsan, 2012. Computational analysis of mixed convection in a channel with a cavity heated from different sides. *International Communications in Heat and Mass Transfer*, 39, 1, 78–84. (ISI)

47. T. Arunkumar, R. Jayaprakash, D. Denkenberger, A. Ahsan, M.S. Okundamiya, S. Kumar, H. Tanaka, H.S. Aybar. 2012. An experimental study on a hemispherical solar still. *Desalination*, 286 (2012), 342–348. (ISI)

48. N. Mohammad, M.Z. Alam, N.A. Kabbashia, A. Ahsan. 2012. Effective composting of oil palm industrial waste by filamentous fungi: A review. *Resources, Conservation and Recycling* 58 (2012) 69– 78. (ISI)

49. M.M. Rahman, M.M. Billah, A.T.M.M. Rahman, M.A. Kalam, A. Ahsan. 2011. Numerical investigation of heat transfer enhancement of nanofluids in an inclined lid-driven triangular enclosure. *International Communications in Heat and Mass Transfer* 38 (2011) 1360–1367. (ISI)

50. M.M. Rahman, N.A. Rahim, S. Saha, M.M. Billah, R. Saidur, A. Ahsan (2011). Optimization of Mixed Convection in a Lid-Driven Enclosure with a Heat Generating Circular Body, *Numerical Heat Transfer, Part A: Applications*, 60:7, 629-650. (ISI)

51. M.A. Imteaz, A. Ahsan, J. Naser, A. Rahman. 2011. Reliability analysis of rainwater tanks in Melbourne using daily water balance model. *Resources, Conservation and Recycling* 56 (3) (2011) 80– 86. (ISI)

52. M.A. Imteaz, A. Shanableh, A. Rahman, A. Ahsan. 2011. Optimisation of rainwater tank design from large roofs: A case study in Melbourne, Australia. *Resources, Conservation and Recycling* 55 (11) (2011) 1022– 1029. (ISI)

53. Ahsan, A. Islam K.M.S., Fukuhara, T. and Ghazali, A.H. (2010): Experimental Study on Evaporation, Condensation and Production of a New Tubular Solar Still. *Desalination* 260 (2010) 172-179. (ISI)

54. Ahsan, A. and Fukuhara, T. (2010): Mass and Heat Transfer Model of Tubular Solar Still. *Solar Energy* 84 (2010) 1147-1156. (ISI)

55. Ahsan, A. and Fukuhara, T. (2010): Condensation Mass Transfer in Unsaturated Humid Air inside Tubular Solar Still. *Journal of Hydroscience and Hydraulic Engineering*, Japan Society of Civil Engineers, JSCE, 28(1):31-42. Also published in AJHE, JSCE as

56. Ahsan, A. and Fukuhara, T. (2009): Condensation Mass Transfer in Unsaturated Humid Air inside

57. Tubular Solar Still. *Annual Journal of Hydraulic Engineering*, Japan Society of Civil Engineers, JSCE, 53:97-102.

58. Ahsan, A. and Fukuhara, T. (2008): Evaporative Mass Transfer in Tubular Solar Still. *Journal of Hydroscience and Hydraulic Engineering*, Japan Society of Civil Engineers, JSCE, 26(2):15-25.

59. Alamgir, M. and Ahsan, A. (2007): Municipal Solid Waste and Recovery Potential: Bangladesh Perspective. *I. J. of Environmental Health Science and Engineering* 4(2):67-76. (ISI)

60. Alamgir, M. and Ahsan, A. (2007): Characterization of Municipal Solid Waste and Nutrient Contents of Organic Component in Bangladesh. *E. J. of Environmental, Agricultural and Food Chemistry* 6(4):1945-1956. (Scopus)

Conference Proceedings

1. 17. M.A. Imteaz, V. Uddameri, A. Ahsan (2013). Modelling Pollutants Transport and Degradation through Wetlands. 20th International Congress on Modelling and Simulation. pp. 2709-2715, Adelaide, Australia, 1-6 December, 2013.

2. 16. Daud, N. N. N., Izehar, N. H., Yusuf, B., Mohamed, T. A., & Ahsan, A. (2013). Groundwater Quality Improvement by Using Aeration and Filtration Methods. World Academy of Science, Engineering and Technology (WASET) conference, Copenhagen, June, 2013. 98 (78) 529-539. ISSN : 2010-376X.

3. 15. MAA Samah, LA Manaf, P Agamuthu, WNA Sulaiman, A Ahsan (2013). An Expert System For Real Time Optimization Of Solid Waste Management In Balakong, Selangor. Proc. *International Conference On Waste Management And Environment 2013 (ICWME 2013)*, Session 4: Practical Issues in Waste Management & Case Studies, paper 17: pp. 1-5, (p. 46 in Book of Abstracts, Ed. P. Agamuthu), 26-27 August, 2013, Faculty of Science, University of Malaya, Kuala Lumpur, Malaysia.

4. 14. Fukuhara, T., Terasaki, H., Yamaji, T., Ahsan, A. Cost and production performance of a tubular solar still (2013). Proc. *2013 1st International Conference and Exhibition on the Applications of Information Technology to Renewable Energy Processes and Systems (IT-DREPS 2013)*, article no 6588141, pp. 9-14, category no CFP1359U-PRT; code 99482, INSPEC accession no 13735696, ISBN: 978-147990712-0, pISBN: 978-1-4799-0713-7, 29-31 May 2013; Amman, Jordan.

5. 13. A. Shanableh, M. Imteaz, T. Merabtene, and A. Ahsan, 2012. A Framework for Reducing Water Demand in Multi-Storey and Detached Dwellings in the United Arab Emirates. Proc. *7th International Conference on "Water Sensitive Urban Design"* 21–23 February, 2012, Melbourne Cricket Ground, Melbourne, Australia.

6. 12. Fukuhara, T., Ahsan, A. and Ishii, Y. (2010): Production Model Of Tubular Solar Still Based On Condensation Theory, *Proc. The SPES Congress and IV CLAES XVII Symposium (SPES-CLAES 2010)*, 1-5 November, 2010, Cusco, Peru.

7. 11. Ahsan, A. and Fukuhara, T. (2009): An Evaporation Model for a Tubular Solar Still, *Proc. IDA World Congress on Desalination and Water Reuse (IDAWC-2009)*, IDAWC/DB09-045, November 7-12, Dubai, UAE.

8. 10. Ahsan, A. and Fukuhara, T. (2008): Evaporativity and Productivity of a New Tubular Solar Still, *Proc. 16th IAHR-APD Congress and 3rd Symposium of IAHR-ISHS (IAHR-APD & ISHS-2008)*, October 20-23, Vol. 1, pp. 333-338, Nanjing, China.

9. Islam, K.M.S., Fukuhara, T. and Ahsan, A. (2007): New Analysis of a Tubular Solar Still, *Proc. IDA World Congress on Desalination and Water Reuse (IDAWC-2007)*, October 21-26, IDAWC/MP07-041, 12 pp. (CD-ROM), Gran Canaria, Spain.

10. Islam, K.M.S., Fukuhara, T. and Ahsan, A. (2007): Tubular Solar Still-an Alternative Small Scale Fresh Water Management, *Proc. International Conference on Water and Flood Management (ICWFM-2007)*, March 12-14, pp. 291-298, Dhaka, Bangladesh.

11. Alamgir, M., Mohiuddin, K.M., Ahsan, A. and Roehl, K.E. (2006): Characterization of Leachate from Municipal Solid Waste Disposal Sites in Bangladesh, *Proc. ORBIT 5th International Conference of 'Biological Waste Management-From Local to Global' (ORBIT-2006),* September 13-15, pp. 1025-1030, Weimar, Germany.

12. Alamgir, M., Ahsan, A. and Mohiuddin, K.M. (2006): Existing Problems of Municipal Solid Waste Management in Bangladesh and Possible Remediation for Environmental Sustainability, *Proc. National Seminar on Good Governance and Engineering (NSGGE-2006),* Golden Jubilee Convention of IEB, February 26-28, pp. 23-31, Dhaka, Bangladesh.

13. Ahsan, A., Alamgir, M., and Mohiuddin, K.M. (2006): Physical and Chemical Properties of Municipal Solid Waste in the Six Major Cities of Bangladesh, *Proc. International Symposium on Environmental Sustainability (ISES-2006),* February 7-9, TS-2, P-2:1-8 (CD-ROM), Dhaka, Bangladesh.

14. Mohiuddin, K.M., Alamgir, M. and Ahsan, A. (2006): Estimation of Methane Emission from Ultimate Disposal Sites of Municipal Solid Waste in the Six Major Cities of Bangladesh, *Proc. International Symposium on Environmental Sustainability (ISES-2006),* February 7-9, TS-2, P-3:1-6 (CD-ROM), Dhaka, Bangladesh.

15. Alamgir, M., Ahsan, A. and Mohiuddin, K.M. (2006): Existing Management of Municipal Solid Waste in Khulna City of Bangladesh, *Proc. International Conference on 'For a Better Tomorrow: Sustainable Solid Waste Management in Developing Countries' (ICSWM-2006)*, January 11-13, 68:1-10 (CD-ROM), Kathmandu, Nepal.

16. Alamgir, M., Ahsan, A., McDonald, C.P., Upreti, B.N. and Islam, R. (2005): Present Status of Municipal Solid Waste Management in Bangladesh, *Proc. International Conference on 'Waste - The Social Context' (ICWSC-2005),* May 11–14, pp. 11-20, Alberta, Canada.

17. Ahsan, A., Alamgir, M., Islam, R. and Chowdhury, K.H. (2005): Initiatives of Nongovernmental Organization in Solid Wastes Management at Khulna City, *Proc. 3rd APM and International Conference on Civil Engineering (APM & ICCE-2005)*, March 9-11, pp. 185-196, Dhaka, Bangladesh.

Books

1. Ahsan, A. Ed. (2012): *Water Condensation: Processes, Modeling and Control*. Softcover-219 pages-English. ISBN-10: 1613248741, ISBN-13: 978-1-61324-874-4, Nova Science Publishers, NY, USA.

2. Ahsan, A. Ed. (2011): *Convection and Conduction Heat Transfer*. Hard cover- 406 pages-English. ISBN 978-953-307-582-2, InTech Publishers, Croatia.

3. Ahsan, A. Ed. (2011): *Two Phase Flow, Phase Change and Numerical Modeling*. Hard cover- 596 pages-English. ISBN 978-953-307-584-6, InTech Publishers, Croatia.

4. Ahsan, A. Ed. (2011): *Heat Analysis and Thermodynamic Effects*. Hard cover-406 pages-English. ISBN 978-953-307-585-3, InTech Publishers, Croatia.

5. Ahsan, A. Ed. (2011): *Evaporation, Condensation and Heat transfer*. Hard cover-594 pages-English. ISBN 978-953-307-583-9, InTech Publishers, Croatia.

6. Ahsan, A. and Alamgir, M. (2010): *Municipal Solid Waste: Bangladesh Perspective*. Softcover-184 pages-English. ISBN-10: 3838375661, ISBN-13: 978-3-8383-7566-3, Lambert Academic Publishing, Printed in the USA.

7. Alamgir, M., McDonald, C., Roehl, K.E. and Ahsan, A. Eds. (2005): *Integrated Management and Safe Disposal of Municipal Solid Waste in Least Developed Asian Countries-A Feasibility Study*. WasteSafe Publication, 398 pp. (ISBN-9789843230034), Khulna University of Engineering and Technology, Bangladesh. www.abebooks.com

Chapter in Books

1. Imteaz, M.A., Ahsan, A. and Anwar A.H.M.F. (2013): "Analysis of Stormwater Harvesting Potential: A Shift in Paradigm is Necessary" in *Water Conservation: Practices, Challenges and Future Implications*, M.A. Imteaz (Ed.), Chapter 1, pp. 1-11, ISBN-10: 1628089938, ISBN-13:978-1-62808-993-6, Nova Science Publishers, Inc., NY, USA.

2. Imteaz, M.A., Mekanik, F. and Ahsan, A. (2013). Effects of Stratification on Multi-layered Tsunami Waves. in "*Coastal Hazards*", (Coastal Research Library) Chapter 23, Vol 6, pp 735-749, Ed.: C.W. Finkl, Springer Publisher. Germany.

3. T. Arunkumar, K. Vinothkumar, A. Ahsan, R. Jayaprakash and S. Kumar (2012). "Experimental Study on a Compound Parabolic Concentrator Tubular Solar Still Tied with Pyramid Solar Still", in *Advancing Desalination*, Robert Y. Ning (Ed.), pp. 1-12, English, ISBN: 978-953-51-0704-0, InTech Publishers, Croatia.

4. Ahsan, A., Imteaz, M.A., Z. Alam, A.A.M. Haque and A.H. Ghazali (2012): "Theoretical Approach of Condensation for Solar Still" in *Water Condensation: Processes, Modeling and Control*, A. Ahsan (Ed.), Chapter 4, pp. 137-158, Nova Science Publishers, Inc. NY, USA.

5. Ahsan, A., Z. Alam, M.A. Imteaz, A.B.M.S. Hossain, A.H. Ghazali (2011): "Evaporation Phenomenon Inside a Solar Still: From Water Surface to Humid Air" in *Evaporation, Condensation and Heat transfer*, A. Ahsan (Ed.), Chapter 1, pp. 3-22, English, ISBN 978-953-307-583-9, InTech Publishers, Croatia.

6. Ahsan, A. and Fukuhara, T. (2009): Evaporativity and Productivity of a New Tubular Solar Still. In "*Advances in Water Resources and Hydraulic Engineering*" C. Zhang and H. Tang, Eds. 2009, Vol. I, pp. 333-338, SpringerLink, USA.

7. 3. Glawe, U., Visvanathan, C., Sthapit, L., Alamgir, M., Ahsan, A., Chowdhury, K.H., Upreti, B.N. and Bhattarie, T.N. (2005): "Socio-Economic Aspects and Present Scenario of Municipal Solid Waste Management in Least Developed Asian Countries", in *Integrated Management and Safe Disposal of Municipal Solid Waste in Least Developed Asian Countries-A Feasibility Study*, Alamgir, M., McDonald, C., Roehl, K.E. and Ahsan, A., Eds., Chapter 2, pp. 13-40, WasteSafe Publication, Bangladesh.

8. Alamgir, M., Ahsan, A., Upreti, B.N. and Bhattarie, T.N. (2005): "Overview of Case Study Areas", in *Integrated Management and Safe Disposal of Municipal Solid Waste in Least Developed Asian Countries-A Feasibility Study*, Alamgir, M., McDonald, C., Roehl, K.E. and Ahsan, A., Eds., Chapter 4, pp. 95-134, WasteSafe Publication, Bangladesh.

9. Alamgir, M., Ahsan, A., Bari, Q.H., Upreti, B.N., Bhattarie, T.N., Glawe, U., Visvanathan, C. and

Sthapit, L. (2005): "Present Scenario of Municipal Solid Waste and its Management", in *Integrated Management and Safe Disposal of Municipal Solid Waste in Least Developed Asian Countries-A Feasibility Study*,

10. Alamgir, M., McDonald, C., Roehl, K.E. and Ahsan, A., Eds.,Chapter 5, pp. 135-228, WasteSafe Publication, Bangladesh.

Research Grants

No	Project Title	Amount (RM)	Year	Source of Fund
1.	Integrated Management and Safe Disposal of Municipal Solid Waste in Least Developed Asian Countries (WasteSafe)	203,300€	2004-2005	European Commission
2.	Distilled Water Production of a Tubular Solar Still using Solar Energy	110,000¥	2008-2009	U.Fukui, Japan
3	Design, Fabrication and Implementation of High Efficiency Panel Heater-Triangular Solar Still	30,000	2010-2012	RUGS
4	Design, Fabrication and Performance of Activated Carbon Contactor for Water and Wastewater Treatments	30,000	2012-2014	RUGS

Awards/Recognition (Current)

No.	Name of awards	Title	Award Authority	Award Type	Year
1.	Certificate	Who's Who in the World 2014	Marquies Who's Who Publications,31st Edition (Classic),ISBN-13:978-0837911526, NJ, USA. VIP Number: 35667471, 2014.	International	2014
2.	Certificate	Excellent Service Award 2013: (Perkhidmatan Cemerlang 2012)	*University Putra Malaysia* (VC, UPM), Malaysia. Received on 2 December, 2013 due to excellent performance in research in 2013.	National	2013
3.	Certificate	"Leading Engineers of the World 2013"	International Biographical Centre, ELY, CAMBRIDGE, UK. 2013.	International	2013
4.	Certificate	Excellent Teaching Award 2013: (Anugerah Kecemerlangan Dalam Pengajaran 2013)	Dean, Engineering, UPM), Malaysia, December, 2013 due to excellent performance in teaching in 2013.	National	2013
5.	Certificate	Excellent Service Award 2012: (Perkhidmatan Cemerlang 2011)	*University Putra Malaysia* (VC, UPM), Malaysia. Received on 26 June, 2012 due to excellent performance in research in 2012.	National	2012

6.	Certificate	Excellent Teaching Award 2012: (Anugerah Kecemerlangan Dalam Pengajaran 2012)	Dean, Engineering, UPM), Malaysia, December, 2012 due to excellent performance in teaching in 2012.	National	2012
6.	Certificate	"Top 100 Educators 2012"	*International Biographical Centre, ELY, CAMBRIDGE, UK.*	International	2012

Student Supervision

PhD (Main Supervisor)

No.	Name	Title	Status
1.	ALI OMRAN MUHSIN AL-SULTTANI GS	Development of an Active Forced Convection Solar Still Coupled With External Condenser, Solar Panel, and Heater to Produce Potable Water From Saline Water (AFSSCP)	Ongoing
2.	MOHAMMAD ALI MUSA GS	-	Ongoing
3.	IQBAL KHALAF ERABEE	Development of a hybrid system by integrating electrolysis with palm-shell activated carbon contactor to treat leachate	Ongoing
4.	NUR SYUHADA BINTI AHMAD GS38716	Modeling for panel heater-triangular solar still	Ongoing
5.	SALAHU HAMZA MOHAMMED GS34770	Groundwater Pollution And Health Risk Analysis In The Vicinity Of Industrial Water Ways And Solid Waste Disposal Sites In Kano Metropolis, Kano, Nigeria	Ongoing

MS with Thesis (Main Supervisor)

No.	Name	Title	Status
1.	MOHAMMED REYADH KHALEEL GS33523	Performance of powdered and granular activated carbons for the treatment of domestic wastewater	Ongoing
2.	NUR SYUHADA BINTI AHMAD GS28877	Direct current heater-assisted triangular solar still for water production	Graduated

MS without Thesis (Main Supervisor)

No.	Name	Title	Status
1.	MUSA ABUBAKAR TADDA GS36665	Leachate treatment by electrolysis and activated carbon	Ongoing
2.	ABDIKANI ABDULLAHI MO'ALLIM/SUMALIA GS35897	Water quality index of Taman Sri Serdang lake using WASP	Ongoing
3	SANISAH BINTI SULAIMAN GS34091	Characteristics of raw and treated leachate by electrolysis and planter box	Ongoing
4	LIEW YEE MEI GS32267	Comparison of sorption efficiency between commercial activated carbon and chemically modified rice husk on metal finishing industrial effluent/Jan, 2014	Graduated
5	MASKSEDAH KAMALUDDIN GS30297	Generation and characteristics of raw and treated leachate (by electrolysis and activated carbon) of Jeram Sanitary Landfill/ 2012-2013/2/July, 2013	Graduated
6	LIM MING SHIAN GS30315	BOD, COD and TSS removal efficiencies using dissolved air flotation for wastewater generated in restaurants and cafes / 2012-2013/1/ February, 2013	Graduated
7	AZAITULNORA BINTI SHAMSUDIN GS26961	Development of flood map for University Putra Malaysia Catchments/ 2011-2012/2/ July, 2012	Graduated
8	YONG KAN YEE GS28749	Solar Drying of Sewage sludge using a green house technology/ 2011-2012/2/ July, 2012	Graduated
9	ALI RIAHI GS27879	Potable water production performance of panel heater-triangular solar still/ 2011-2012/1	Graduated
10	UKWUANI ANAYO THOMAS GS27718	Design and development of a triangular solar still to provide pure water/ 2011-2012/1	Graduated
11	MOHAMMAD AZMI BIN YAAKUB GS26047	Effects of water depth and salinity on distilled water production from triangular solar stills/ 2011-2012/1	Graduated