

LIST OF PUBLICATIONS

(a) **Journal Publications (recognized and refereed journals / proceedings):**

(1)	Mozumder Alope Kumar , Mitsutake Yuichi and Monde Masanori, “Experimental Study of Heat Transfer for a Rotating Cylinder Water Jet Impingement Quenching”, <i>Journal of Energy and Power Engineering</i> , 7 (2013) 411-422
(2)	Alope Kumar Mozumder , Shuvra Banik, Md. Zahabul Islam, “Analytical Solution and Experimental Verification of Sessile Drop Evaporation in Relation to Leidenfrost Phenomenon”, <i>International Journal of Advances in Thermal Sciences and Engineering</i> , Vol. 4, No. 1, January-June 2013, pp. 31-45
(3)	Alope Kumar Mozumder , Mohammed Shafiul Hasib Chowdhury, Abul Fahad Akon, “Characteristics of Heat Transfer for Heat Pipe and Its Correlation”, <i>ISRN Mechanical Engineering</i> , Hindawi Publishing Corporation, 2011, Article ID 825073, 7 pages, doi:10.5402/2011/825073
(4)	A.K. Mozumder and M.M. Kamal, “Thermo-Visual Investigation of A Two-Phase Closed Loop Thermosyphon”, <i>International Journal of Mechanical and Materials Engineering (IJMME)</i> , Vol.6, 2011, No.1, pp. 109-119
(5)	A. K. Mozumder , S. I. Khan, and Md. S. I. Muntasir, “Solid Waste: Management and Its Energy Content”, <i>Journal of Energy & Environment</i> (ISSN: 1563-1362), Accepted for publication 2011
(6)	A. K. Mozumder , M. R. Ullah, A. Hossain, and M. A. Islam, “Sessile Drop Evaporation and Leidenfrost Phenomenon”, <i>American Journal of Applied Sciences</i> , 2010, Vol. 7, No. 6, pp. 846-851
(7)	A. K. Mozumder , A. F. Akon, M. S. H. Chowdhury, and S. C. Banik “Performance of Heat Pipe for Different Working Fluids and Fill Ratios”, <i>Journal of Mechanical Engineering</i> , Transaction of the Mech. Eng. Div., The Institution of Engineers, Bangladesh, 2010, Vol. ME 41, No. 2, pp. 96-102
(8)	P. L. Woodfield, A. K. Mozumder , and M. Monde “On the size of the boiling region in jet impingement quenching”, <i>International Journal of Heat and Mass Transfer</i> , 2009, Vol. 52, pp.460-465
(9)	Md. Ashraful Islam and A. K. Mozumder , “Forced Convection Heat Transfer Performance of an Internally Finned Tube”, <i>Journal of Mechanical Engineering</i> , Transaction of the Mech. Eng. Div., The Institution of Engineers, Bangladesh, 2009, Vol. ME 40, No. 1, pp. 54-62
(10)	AK Mozumder , P Woodfield, MA Islam, and M Monde “Maximum heat flux propagation velocity during quenching by water jet impingement,” <i>International Journal of Heat and Mass Transfer</i> , 2007, Vol. 50, pp. 1559-1568
(11)	M. A. Islam, M. Monde, P. L. woodfield, Y. Mitsutake and A. K. Mozumder , “Jet Impingement Boiling in Hot Surfaces Well Above The

	Limiting Temperature for Solid-Liquid Contact”, Multiphase Science and Technology, 2007, No. 2, Vol. 19, pp. 167-181
(12)	AK Mozumder , M Monde, P Woodfield, and MA Islam, “Maximum heat flux in relation to quenching of a high temperature surface with liquid jet impingement,” <i>International Journal of Heat and Mass Transfer</i> , 2006, Vol. 49, pp. 2877-2888
(13)	M. Monde, A. K. Mozumder , P. L. Woodfield and Y. Mitsutake, “Quenching of High Temperature Cylindrical Surface with an Impinging Jet (Maximum Heat Flux)” in Japanese, Transactions of JSME, , 2006, No.714B, Vol.72, pp.383-389
(14)	MA Islam, PL Woodfield, AK Mozumder , Y Mitsutake and M Monde, “Boiling and wetting phenomena of hot surface during jet impingement quenching,” Proc. IHTC-13, 13-18 August 2006, Sydney, Australia
(15)	A. K. Mozumder , M. Monde and P. L. Woodfield, “Delay of wetting propagation during jet impingement quenching for a high temperature surface”, <i>International Journal of Heat and Mass Transfer</i> , 2005, Vol. 48, pp. 5395-5407
(16)	P. L. Woodfield, M. Monde and A. K. Mozumder , “Observations of high temperature impinging-jet boiling phenomena”, <i>International Journal of Heat and Mass Transfer</i> , 2005, Vol. 48, pp. 2032-2041
(17)	M. Monde, A. Mozumder , P. Woodfield and Y. Mitsutake, “Quenching of High Temperature Cylindrical Surface with an Impinging Jet (Resident Time and Wetting Temperature)” in Japanese, Transactions of JSME, 2005, No.706B, Vol.71, pp.1640-1646
(18)	P. L. Woodfield, M. Monde and A. K. Mozumder , “The Possibility of Homogeneous Nucleation Boiling During Transient Liquid / Solid Contact in a Jet Impingement Quench Cooling System”, Thermal Science & Engineering, 2004, No. 4, Vol. 12, pp.39-40

(b) Conferences (*national and international conferences and seminars*):

(i) Proceedings:

(1)	Mozumder Alope Kumar , Mitsutake Yuichi and Monde Masanori, “Cooling Propagation and Its Effectiveness for a Rotating Cylinder Jet Quenching”, <i>Proceedings of the 3rd International Forum on Heat Transfer</i> , Paper No.IFHT2012-038, , Nagasaki, Japan, November 13-15, 2012
(2)	Yuichi Mitsutake, Suhimi Illius, Alope Mozumder , Masanori Monde, “Measurement and Observation of Transient Boiling Phenomena during Sudden Contact of Ethanol Droplet with Hot Surface”, Proceedings of 4th Asian Joint Workshop on Thermophysics and Fluid Science, Busan, Korea, Oct. 14-17, 2012
(3)	Mozumder Alope Kumar , Mitsutake Yuichi and Monde Masanori, “Experimental Investigation of Heat Transfer for A Rotating Cylinder during Subcooled Water Jet Impingement Quenching”, ECI 8th International Conference on Boiling and Condensation Heat Transfer, Paper No. O_s6_1528, Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland, 3-7 June 2012

(4)	Yuichi Mitsutake, Aloke Kumar Mozumder , Masanori Monde and Takao Saitoh, “Measurement and Observation of Transient Boiling Phenomena during Sudden Contact of Ethanol Droplet with Hot Surface”, ECI 8th International Conference on Boiling and Condensation Heat Transfer, Paper No. p_1543, Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland, 3-7 June 2012
(5)	Yuichi Mitsutake, Suhimi Ilius, Aloke Mozumder , Masanori Monde, “Measurement of Surface Temperature and Surface Heat Flux during Impact of a droplet on a Hot Surface”, The 49th National Heat Transfer Symposium, Toyama International Conference Center, Toyama, Japan, May 30-June1, 2012
(6)	S. Kanegae, Y. Morishima, A. K. Mozumder , Y. Mitsutake, M. Monde, “Characteristics of Transient Heat Transfer during Laminar Cooling of Rotating Hot Surface”, The 65th general meeting seminar, Paper no. 416, <i>The Japan Society of Mechanical Engineers, JSME</i> , Kyushu Branch, Saga, Japan, 16 March, 2012
(7)	A.K. Mozumder , Y. Mitsutake and M. Monde, “Heat Transfer Characteristics for A Rotating Cylinder during Jet Impingement Quenching” 15th Organized Multiphase Flow Forum (OMF2011), Ueda, Japan, Dec. 9-10, 2011
(8)	A.K. Mozumder , M.R. Ullah and A. Hossain, “Experimental Investigation of Sessile Drop Evaporation and Its Relation with Leidenfrost Temperature”, Proceedings of the 8 th International Conference on Mechanical Engineering, ICME 2009, ICME09-TH-17, Dhaka, Bangladesh December 26-28, 2009
(9)	A. Kumar Mozumder , A. Fahad Akon and M. S. Hasib Chowdhury, “Experimental Investigation of a Heat Pipe for Different Working Fluids and Fill Ratios”, Proceedings of the 8 th International Conference on Mechanical Engineering, ICME 2009, ICME09-TH-18, Dhaka, Bangladesh December 26-28, 2009
(10)	A. K. Mozumder , M. Ahmed and M. Monde, “Carbon Steel Quenching and Maximum Heat Flux with Water Jet Impingement”, Proceedings of the 8 th International Conference on Mechanical Engineering, ICME 2009, ICME09-TH-31, Dhaka, Bangladesh December 26-28, 2009
(11)	S. C. Banik, S. M. Mahfuzur Rahman and A. K. Mozumder , “A Model of a CVT Adjustment Drive Based on Transient Response”, Proceedings of the 8 th International Conference on Mechanical Engineering, ICME 2009, ICME09-RT-42, Dhaka, Bangladesh December 26-28, 2009
(12)	A. K. Mozumder , M. R. Ullah, A. Hossain, and M. A. Islam, “Sessile Drop Evaporation and Leidenfrost Phenomenon”, 2nd CUTSE International Conference, 2009, ESF_20, Curtin University of Technology, Sarawak Campus, Miri, Sarawak, Malaysia, 24-25 November, 2009
(13)	S. C. Banik and A. K. Mozumder “A Model Based Analysis of Temperature Behavior of a Manufacturing Cell”, 7 th International Conference on Mechanical Engineering, ICME 2007-TH-16, Dhaka, Bangladesh December 29-31, 2007

(14)	A Mozumder , P Woodfield, A Islam, and M Monde, “Effect of Wetting Delay on Maximum Heat Flux Propagation velocity during Water Jet Impingement Quenching,” <i>Proc. 43rd National Heat Transfer Symposium</i> , Nagoya, Japan, 31 May-2 June 2006, Paper no. F332
(15)	AK Mozumder , M Monde, PL Woodfield, MA Islam and Y Mitsutake, “Boiling Width: A New Parameter in Jet Impingement Quenching,” , <i>Proc.3rd BSME-ASME International Conference on Thermal Engineering</i> , Dhaka, Bangladesh, 20-22 December 2006
(16)	A Islam, P Woodfield, A Mozumder , and M Monde, “Boiling Phenomena at the Moment when a Free-Surface Water Jet Impacts on a High Temperature Surface,” <i>Proc. 43rd National Heat Transfer Symposium</i> , Nagoya, Japan, 31 May-2 June 2006, Paper no. F323
(17)	MA Islam, M Monde, AK Mozumder and PL Woodfield, “Effect of Solid Thermo- Physical Properties on Boiling and Flow Phenomena in Jet Impingement Quenching,” , <i>Proc. 17th International Symposium on Transport Phenomena</i> , Toyama, Japan, 4-8 September 2006
(18)	MA Islam, M Monde, PL Woodfield, AK Mozumder , and Y Mitsutake, “Jet Impingement Quenching of Hot Surfaces Well above the Limiting Temperature for Solid-Liquid Contact,” <i>Proc. 6th International Conference on Boiling Heat Transfer</i> , Spoleto, Italy, 7-12 May 2006, Paper no. 6
(19)	MA Islam, M Monde, PL Woodfield, AK Mozumder , and Y Mitsutake, “Leidenfrost Phenomenon: Jet Impingement Quenching Perspective,” , <i>Proc. 3rd BSME-ASME International Conference on Thermal Engineering</i> , Dhaka, Bangladesh, 20-22 December 2006
(20)	A. K. Mozumder , M. Monde and P. L. Woodfield, “Wetting Delay Characteristics for Quenching of a High Temperature Surface with Liquid Jet Impingement”, <i>6th KSME-JSME Thermal and Fluids Engineering Conference, TFEC6</i> , , Jeju, Korea, March 20-23, 2005, Paper No. FE.03
(21)	A Mozumder , A Islam, P Woodfield, Y Mitsutake, and M Monde, “Experimental Investigation of Maximum Heat Flux during Quenching of High Temperature Solid with Subcooled Liquid Jet,” <i>Proc. 42nd National Heat Transfer Symposium</i> , Sendai, Japan, 6-8 June 2005, pp. 275-276
(22)	M. Monde, A. K. Mozumder , P. L. Woodfield and Y. Mitsutake, “Delay of Wetting Propagation During Jet Impingement Quenching for a High Temperature Surface”, <i>Proc. 16th International Symposium on Transport Phenomena (ISTP-16)</i> , Prague, Czech Republic August 29-September 1, 2005
(23)	P. L. Woodfield, M. Monde and A. K. Mozumder , “Nucleation Boiling Phenomena During Transient Contact at High Temperatures for Jet Impingement Quench Cooling”, <i>Proc. 1st International Forum on Heat Transfer, GS6-07</i> , Kyoto, Japan, November 24-26, 2004, pp. 273-274
(24)	P. L. Woodfield, M. Monde and A. K. Mozumder , “The Possibility of Homogeneous Nucleation Boiling During Transient Liquid / Solid Contact in a Jet Impingement Quench Cooling System,” <i>Proc. 41st National Heat Transfer Symposium of Japan</i> , Toyama, Japan, May 26-

	28, 2004, A331, pp. 575-576
(25)	M. A. R. Sarkar , A. K. Mozumder , A. H. Imamuddin, A. M. A. Huq, “Effect of Hollow Roof Tiles as Passive Solar Heat Control in Tropical Climates”, <i>Second International (29th National) Conference on Fluid Mechanics & Fluid Power (INCFMFP-2002)</i> , Indian Institute of Technology, Roorkee, India, Dec, 2002
(26)	M. A. R. Sarkar., A. Islam., A. K. Mozumder. , A. M. A. Huq., “Solar PV Water Pumping.” Published in “ <i>Photovoltaic Technology for Bangladesh</i> ”, Editors: AKM Sadrul Islam & Da Infield, ISBN 984 31 1085 4, 2001
(27)	M. A. R. Sarkar., A. Islam., A. K. Mozumder. , A. M. A. Huq., “Photovoltaic Refrigerator for Vaccine Preservation.” Published in “ <i>Photovoltaic Technology for Bangladesh</i> ”, Editors: AKM Sadrul Islam & Da Infield, ISBN 984 31 1085 4, 2001
(28)	AK Mozumder , MA Islam, and AMA Huq, “Study of Forced Convection through Internal T-Section Finned Tube,” <i>Proc. of ICME2001</i> , Dhaka, Bangladesh, Section II, Dec. 26-28, 2001, Vol. 2, pp. 127-132
(29)	Chowdhury FM, Mozumder AK and Akhanda MAR, “Natural Convection Heat Transfer Through Semicircular Staggered Promoter Mounted on Vertical Plate”, <i>4th International Conference on Mechanical Engineering</i> , Dhaka, Bangladesh, , Section III, Dec 26-28, 2001, pp. 55-158
(30)	S.C. Banik, A.K. Mozumder , M.A. Azim, “Study of Flow Impinging on a Flat Surface with an Angle of Incidence”, <i>6th Annual Papermeet and International Conference</i> , IEB, Dhaka, Bangladesh, February 17-19, 2000, pp. 297-304
(31)	Mozumder A. K. , “Prospects of Wind Energy in Coastal Regions of Bangladesh”, <i>URERAB-2001</i> , Dept. of Mechanical Engineering, BIT, Khulna, Bangladesh, November 9-10, 2000, pp. 78-85
(32)	A.K. Mozumder and S. Ahmed, “Statistical Analysis and Feasibility Study of Wind Energy in Bangladesh”, <i>2nd International Seminar on Renewable Energy for Poverty Alleviation-99 (ISREPA-99)</i> , ISBN 984-31-0683-0, IEB, Dhaka, Bangladesh, November 26-27, 1999, pp. 306-311
(33)	Md. Imtiaz Hossain, Aloke Kumar Mozumder , “Measurement/Estimation of Solar Radiation”, Training Workshop on “ <i>Renewable Energy Education & Application for Rural Communities in Bangladesh</i> ”, Centre for Energy Studies, BUET, Dhaka, Bangladesh, Nov 27-Dec 03, 1999, pp. 22-30
(34)	Aloke Kumar Mozumder , Mohammad Shariful Islam and Md. Imtiaz Hossain “Manufacturing of a Distilled Water Plant by Using Flat Mirror Collector”, <i>Fifth Annual Papermeet-98 (APM-98)</i> , IEB, Chittagong, Bangladesh, November 5-7, 1998, pp. 461-471

(ii) Presentation:

(1)	Mozumder Aloke Kumar , Mitsutake Yuichi and Monde Masanori, “Cooling Propagation and Its Effectiveness for a Rotating Cylinder Jet
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	Quenching”, <i>Proceedings of the 3rd International Forum on Heat Transfer</i> , Paper No. IFHT2012-038, , Nagasaki, Japan, November 13-15, 2012
(2)	Mozumder Alope Kumar , Mitsutake Yuichi and Monde Masanori, “Experimental Investigation of Heat Transfer for A Rotating Cylinder during Subcooled Water Jet Impingement Quenching”, ECI 8th International Conference on Boiling and Condensation Heat Transfer, Paper No. O_s6_1528, Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland, 3-7 June 2012
(3)	A.K. Mozumder , Y. Mitsutake and M. Monde, “Heat Transfer Characteristics for A Rotating Cylinder during Jet Impingement Quenching” 15th Organized Multiphase Flow Forum (OMF2011), Ueda, Japan, Dec. 9-10, 2011
(4)	A. K. Mozumder , M. Ahmed and M. Monde, “Carbon Steel Quenching and Maximum Heat Flux with Water Jet Impingement”, Proceedings of the 8 th International Conference on Mechanical Engineering, ICME 2009, ICME09-TH-31, Dhaka, Bangladesh December 26-28, 2009
(5)	A. K. Mozumder , M. R. Ullah, A. Hossain, and M. A. Islam, “Sessile Drop Evaporation and Leidenfrost Phenomenon”, 2nd CUTSE International Conference, 2009, ESF_20, Curtin University of Technology, Sarawak Campus, Miri, Sarawak, Malaysia, 24-25 November, 2009
(6)	A Mozumder , P Woodfield, A Islam, and M Monde, “Effect of Wetting Delay on Maximum Heat Flux Propagation velocity during Water Jet Impingement Quenching,” F332, <i>Proc. 43rd National Heat Transfer Symposium</i> , Nagoya, Japan, 31 May-2 June 2006
(7)	AK Mozumder , M Monde, PL Woodfield, MA Islam and Y Mitsutake, “Boiling Width: A New Parameter in Jet Impingement Quenching,” Proceedings, <i>3rd BSME-ASME International Conference on Thermal Engineering</i> , Dhaka, Bangladesh, 20-22 December 2006
(8)	A. K. Mozumder , M. Monde and P. L. Woodfield, “Wetting Delay Characteristics for Quenching of a High Temperature Surface with Liquid Jet Impingement”, <i>6th KSME-JSME Thermal and Fluids Engineering Conference, TFEC6</i> , Paper No. FE.03, Jeju, Korea, March 20-23, 2005.
(9)	A Mozumder , A Islam, P Woodfield, Y Mitsutake, and M Monde, “Experimental Investigation of Maximum Heat Flux during Quenching of High Temperature Solid with Subcooled Liquid Jet,” <i>Proc. 42nd National Heat Transfer Symposium</i> , Sendai, Japan, 6-8 June 2005
(10)	A. K. Mozumder , P. L. Woodfield, M. A. Islam, and M Monde, “Wetting Front Propagation and its Effect on Heat Flux during Jet Impingement Quenching,” presented in the 6 th Japan-UK mini-seminar on multi-phase flow, Kansai University, Osaka, Japan, 15-16 September 2005
(11)	AK Mozumder , MA Islam, and AMA Huq, “Study of Forced Convection through Internal T-Section Finned Tube,” Proc. of ICME2001, Dhaka, Bangladesh, Dec. 26-28, 2001
(12)	Mozumder A. K. , “Prospects of Wind Energy in Coastal Regions of

	Bangladesh”, <i>URERAB-2001</i> , Dept. of Mechanical Engineering, BIT, Khulna, Bangladesh, pp. 78-85, November 9-10, 2000
(13)	A.K. Mozumder and S. Ahmed, “Statistical Analysis and Feasibility Study of Wind Energy in Bangladesh”, <i>2nd International Seminar on Renewable Energy for Poverty Alleviation-99 (ISREPA-99)</i> , ISBN 984-31-0683-0, IEB, Dhaka, Bangladesh, pp. 306- 311, November 26-27, 1999
(14)	Aloke Kumar Mozumder , Mohammad Shariful Islam and Md. Imtiaz Hossain “Manufacturing of a Distilled Water Plant by Using Flat Mirror Collector”, <i>Fifth Annual Papermeet-98 (APM-98)</i> , IEB, Chittagong, Bangladesh, pp. 461-471, November 5-7, 1998