

**List of Publications**  
**of**  
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**Journal Publications**

1. M. Ali, A.K.M. Sadrul Islam and S. Ahmed, "Mixing and Flame Holding with Air Inlet Configuration in Scramjet Combustor", International Communications in Heat and Mass Transfer, Elsevier, Vol. 31, No. 8, pp 1187-1198, 2004.
2. M. Zakir Hossain and A.K.M. Sadrul Islam, "Fully Developed Flow Structures and Heat Transfer in Sine-Shaped Wavy Channels", International Communications in Heat and Mass Transfer, Elsevier, Vol. 31, No. 6, pp 887-896, 2004.
3. Mohammad Ali, S. Ahmed and A.K.M. Sadrul Islam, "The Two-Dimensional Supersonic Flow and Mixing with a Perpendicular Injection in a Scramjet Combustor", J. of Thermal Science, Vol. 12, No. 4, pp 371-380, 2003.
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5. S. Mahmud and A.K.M. Sadrul Islam, "Natural Convection and Entropy Generation in an Inclined Wavy Enclosure", International Journal of Thermal Sciences, Elsevier, Vol. 42, pp 1003-1012, 2003.
6. S. Mahmud, A.K.M. Sadrul Islam and C.M. Feroz " Flow and Heat Transfer Characteristics Inside a Wavy Tube", Heat and Mass Transfer, Springer-Verlag, Vol. 39, pp 387-393, 2003.
7. M. Abdul Azim and A.K.M. Sadrul Islam, "Turbulent Mixing Layer from Two Non-parallel Streams", The Aeronautical Journal, Royal Aeronautical Society, UK, Vol 107, No. 1071, pp 241-248, 2003.
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9. S. Mahmud, M.A.H. Mamun and A.K.M. Sadrul Islam, "Separation Characteristics of Fluid Flow in a Pipe with Wavy Surface", Int. Journal of Applied Mechanics & Engineering, Vol 7, No. 4, 2002, pp 1255-1270.
10. S. Mahmud, A.K.M. Sadrul Islam and M.A.H. Mamun "Separation Characteristics of Fluid Flow Inside Two Parallel Plates with Wavy Surface", International Journal of Engineering Science, Elsevier, Vol 40, pp 1495-1509, September, 2002.
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12. Shakil Ahmed, M. Ali and A.K.M. Sadrul Islam, "The Effect of Injection Angle on Mixing and Flame Holding in Supersonic Combustor", Journal of Thermal Science, China, Vol. 11, No. 1, pp 80 – 91, February, 2002.

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14. S. Mahmud, P. K. Das, N. Hyder and A.K.M. Sadrul Islam, "Free Convection in an Enclosure with Differentially Heated Vertical Wavy Wall", *International Journal of Thermal Sciences*, Elsevier, Vol. 41, No. 5, pp 440-446, 2002.
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26. A.K.M.S. Islam and M.Q. Islam, "The Potential for Wind Energy in Bangladesh", *Journal of Energy Heat and Mass Transfer, India*, vol. 16, No. 3, Sept. 1994, pp 229-236.
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47. A.K.M. Sadrul Islam and M Zakir Hossain, "Unsteady Flow and Heat Transfer in Sinusoidal and Triangular Channels", Proc. of 10<sup>th</sup> Asian Congress of Fluid Mechanics (in CD and book of abstracts page # 116), 17-21 May 2004, University of Peradeniya, Sri Lanka.
48. M Zakir Hossain, M Jalal Ahamed and A.K.M. Sadrul Islam "Developing Flow Structures and Heat Transfer in Sine-Shaped Wavy Channel", Proc. of 10<sup>th</sup> Asian Congress of Fluid Mechanics (in CD and book of abstracts page # 116), 17-21 May 2004, University of Peradeniya, Sri Lanka.
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57. M.A. Azim and A.K.M. Sadrul Islam, "Effect of Merging Angle on Turbulent Mixing Layers", Proc. of 9<sup>th</sup> Asian Congress of Fluid Mechanics (in CD and book of abstracts page # 86), 27-31 May 2002, Isfahan, Iran.
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  79. M. Zakir Hossain, M. F. Rahman and A.K.M. Sadrul Islam, "Barotropic Model for the Track Prediction of Tropical Cyclones in the bay of Bengal", Proc. 3<sup>rd</sup> Int. Conf. on Fluid Mechanics & Heat Transfer, 15-16 December 1999, Dhaka, pp 153-161.
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  83. A.K.M. Sadrul Islam, "On the Prediction of Vortex Shedding Flow Past a Square Cylinder in a Uniform Shear Flow", Proc. 8<sup>th</sup> Asian Congress of Fluid Mechanics, December 6-10, 1999, Shenzhen, China, pp 242-246.
  84. A.K.M. Sadrul Islam and M.Q. Islam, "Aerodynamic Characteristics of Stationary Savonius and S Shaped Rotors", Proc. 8<sup>th</sup> Asian Congress of Fluid Mechanics, December 6-10, 1999, Shenzhen, China, pp 377-381.
  85. M. Ali and A.K.M. Sadrul Islam, "Effect of Mainflow Inlet Width on Penetration and Mixing of Hydrogen in Scramjet Combustor", Proc. 8<sup>th</sup> Asian Congress of Fluid Mechanics, December 6-10, 1999, Shenzhen, China, pp 647-650.
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  88. A.K.M. Sadrul Islam and M.Q. Islam, "Static Torque and Drag Characteristics of Savonius Rotor and S-Shaped Savonius Rotor", Proc. of 3<sup>rd</sup> Jordanian Mechanical & Industrial Engineering Conference, Amman, Jordan, 9-12 May 1999, pp 205-213.

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## Book

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### **Research Report**

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