Publications of M. A. Alim

** There are **more than 300** Journal and conference articles, **not all but most of those** articles are listed below :

Journal Articles

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ii) Some Conerence Presentations:

301. Forced convection along a vertical cylinder with isothermal surface and uniform surface heat flux, in the Tenth International Mathematics Conference, Organised by Bangladesh Mathematical Society, held at Dhaka University, Dhaka, Bangladesh, 25-27 November, 1995

302. Presented three research papers on Fluid Mechanics in the Workshop on Mechanics of Continua, Department of Mathematics, Dhaka University, 17-18 Sept. 1996.

303. Presented research paper on Fluid Mechanics in the Nineteenth Bangladesh Science conference, organised by BAAS held at Jahangirnagar University, Savar, Dhaka October 29-31, 1996.

304. Presented a paper in the Eleventh Mathematics Conference, Shahjalal University of Science and Technology (SUST), Sylhet , Bangladesh, 25-27 November, 1997.

305. Presented a paper in the Mini Workshop on Applied Mathematics, Dept. of mathematics, Shahjalal University of Science and Technology (SUST), Sylhet, Bangladesh, 1-3 September, 1998.

306. Presented a paper titled Separation points of mixed convection boundary layer flow along a vertical porous plate with exponentially decreasing free stream velocity in the Int. Conf. on Fluid Mechanics & Heat Transfer (ICFMHT-99), BUET, Dhaka, 15-16 December 1999.

307. Presented a paper titled Free convection flow and heat transfer inside a vertical convergent and divergent enclosure in the 6th APM and International Conference on Mechanical Engineering in the 21st Century, IEB, Dhaka, Bangladesh, Feb. 17-19, 2000.

308. Presented a paper titled Separation points of laminar boundary layer flow along a vertical porous plate with exponentially decreasing velocity distribution in the XIII International Congress on Mathematical Physics (ICMP 2000), 17 - 22 July 2000, ImperialCollege, London, UK.

309. Presented the first year PhD research report on CFD Modelling of Turbulent Combustion and Heat Transfer in the First year research students conference, School of Mechanical and Manufacturing Engineering, Loughborough University, UK, 5 - 6 July, 2001.

310. Presented the PhD research report on CFD Modelling of Turbulent Combustion and Heat Transfer in the 2nd year research students conference, School of Mechanical and Manufacturing Engineering, Loughborough University, UK, May, 2002.

311. Presented a paper titled Viscous dissipation and pressure effects on free convection flow along vertical flat plate with joule heating and heat conduction in the 3rd BSME-ASME International Conference on Thermal Engineering (BSME-ASME ICTE' 06), 20-22 December, 2006, Dhaka, Bangladesh (Paper No. BA-111).

312. Presented a paper titled Pressure Work and Viscous Dissipation Effects on MHD Natural Convection Flow along a Sphere in the 7th International Conference on Mechanical Engineering (ICME2007), 29-31 December, 2007, Dhaka, Bangladesh (Paper No. Th-33).

313. Md. Mahmud Alam, M. A. Alim and Md. M. K. Chowdhury, Conjugate effects of viscous dissipation and pressure work on MHD natural convection flow along a vertical flat plate with Joule heating and heat conduction, Fifteenth Mathematics conference, 29-31 December, 2007.

314. M. M. Rahman, M. A Alim, S. Saha and M. A. H. Mamun, Mixed convection in a vented enclosure with an adiabatic arc shaped baffle, published on the book of abstracts in 15th Mathematics Conference, Bangladesh Mathematical Society, University of Dhaka, Dhaka, Bangladesh, December 29-31, 2007.

315. M. A. Alim, M. M. Rahman and Salina Aktar, Viscous Dissipation Effects on Natural Convection Flow along a Sphere with Radiation Heat Loss, 4th BSME-ASME International Conference on Thermal Engineering, 27-29 December, 2008, Dhaka, Bangladesh (Paper No. 93)

316. M. A. Alim and Tahmina Akhter, Effects of Radiation and Pressure Work on MHD Natural Convection Flow around a Sphere, 8th International Conference on Mechanical Engineering, ICME2009, Dhaka, Bangladesh, Paper No. FM-31, 26-28 December 2009.

317. M. M. Rahman, M. A. Alim and M. A. Sarker, Natural convection in a square cavity with a flush mounted heater: Effect of positions of the heater, The 16th Mathematics Conference of Bangladesh Mathematical Society, BUET, Dhaka, Bangladesh, December 17-19, 2009.

318. M. M. Rahman, M. A. Alim, M. A. Sarker and M. K. Chowdhury, Natural convection flow in a square cavity with a flush mounted heater on a side wall and heat generation, The 16th Mathematics Conference of Bangladesh Mathematical Society, BUET, Dhaka, Bangladesh, December 17-19, 2009.

319. R. Nasrin, S. Parvin and M. A. Alim, Numerical study of variable viscosity and thermal conductivity with Conduction and Joule Heating on MHD Free Convection, The 16th Mathematics Conference of Bangladesh Mathematical Society,17-19, December, Paper No. 16MC09-110. pp.76, 2009, BUET, Dhaka, Bangladesh.

320. Salma Parvin, Rehena Nasrin, M. A. Alim and N. F. Hossain, Non-darcy forced convection inside a channel using nanofluid, International Conference on Physics of Today (ICPT-2012), BUET, Dhaka, 15-17 March, 2012.

321. A.K.M. Safiqul Islam, M. A. Alim, M. M. A. Sarker, A. F. M. Khodadad Khan, Free Convective Heat Transfer Flow for Heat Generation and MHD effects along a Vertical Flat Plate with conduction, International Conference on Physics of Today (ICPT-2012), BUET, Dhaka, 15-17 March, 2012.

Thesis Papers

1. M. A. Alim, On forced convection along a vertical cylinder with isothermal surface and uniform surface heat flux, *M. Sc. Thesis,* Department of Mathematics, University of Dhaka, Bangladesh (1994)
2. M. A. Alim, Effect of cold wall on laminar free convection across a horizontal cylinder with part adiabatic surface, *M.Phil Thesis,* Department of Mathematics, Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh (2000)
3. M. A. Alim, CFD Modelling of Turbulent Combustion and Heat Transfer, *Ph.D Thesis,* School of Mechanical and Manufacturing Engineering, Loughborough University, UK, (http://www.lboro.ac.uk/), (2004).

Book

1. Sheikh Anwar Hossain and Md. Abdul Alim, Natural Convection From An Open Rectangular Cavity With Cylinder: Natural Convection From An Open Rectangular Cavity Containing A Heated Circular Cylinder; Published by LAMBERT Academic Publishing (LAP) July 21, 2012; Available: www.amazon.com.