Publications of M. A. Alim

** There are **more than 440** published Journal and conference articles, **not all but most of those** articles are listed below :

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ii) Some Conerence Presentations:

408. 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

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

410. 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.

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

412. 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.

413. 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.

414. 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.

415. 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.

416. 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.

417. 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.

418. 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).

419. 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).

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431. M.M. Ali, R. Nasrin, M.A. Alim, Syed Sabbir Ahmed, A study of natural convection heat transfer in a partially heated enclosure filled by Cu/water nanofluid, 4th International International Conference on Engineering, Research, Innovation and Education, 13-15 January, 2017, SUST, Sylhet, Bangladesh.

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434. Modeling of the Vibration of Vehicle Passing a Speed Bump and Solution using the HPM, 23rd International Mathematics Conference 2023, Rajshahi University, Rajshahi, Bangladesh, 16-17 May, 2024.

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

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