

CURRICULUM - VITAE

NAME : A.K.M. SADRUL ISLAM

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PERSONAL DATA : Father's name : Mr. A.K.M. Sher Ali Mia
Date of birth : 7th April 1955
Place of birth : Jessore, Bangladesh
Nationality : Bangladeshi

ACADEMIC QUALIFICATION :

Ph.D. March, 1988 from Dept. of Mechanical Engineering, Imperial College of Science & Technology, University of London, U.K.

M.Sc.Engg. Aug., 1984 from Dept. of Mechanical Engineering, Bangladesh University of Engg. & Tech., Dhaka, Bangladesh. Grade Point Average (GPA) 4.0/4.0.

B.Sc.Engg. Dec., 1977 from Dept. of Mechanical Engineering, Bangladesh University of Engg. & Tech., Dhaka, Bangladesh. Ist class ; Merit position 2nd out of 70 students.

DIPLOMA: 1988, Diploma of Imperial College in Fluid Mechanics, Imperial College of Science & Technology, London, U.K.

SCHOLASTIC AWARDS/FELLOWSHIP:

1996 to 1997 : A British Commonwealth Visiting Research Fellow at Loughborough University, UK.

1994 : The Certificate of Merit for 1993-94, Institution of Engineers (India), for the paper entitled " Weather and Passanger Crowding Criteria on Stability of Inland Passenger Vessels", A. Rahim, A.K.M. Sadrul Islam & G.M. Khalil, The J. of Institution of Engineers, India, vol 74, 1993, pp21-27.

1994 : Dana Chase Memorial Award for the best paper entitled " A Novel Dehumudification Technique using Electric Field", M.A. Zaman, A.K.M. Sadrul Islam, M.R. Khan & M.F. Khan, presented at 45th Annual Int. Appliance Tech. Conf. , May 9-11, 1994, Univ. of Wisconsin-Madison, USA.

1984 to 1988 : A British Commonwealth Scholar

1970 to 1978 : Awarded Education Board Scholarship

1977 : Best Student, Sher-e-Bangla Hall, BUET

TEACHING EXPERIENCE:

- 19-6-94 to date : **Professor**, Dept. of Mechanical Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh.
- 27-8-88 to 18-6-94 : **Associate Professor**, Dept. of Mechanical Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh.
- 20-10-81 to 26-8-88 : **Assistant Professor**, Dept. of Mechanical Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh.
- 18-8-80 to 19-10-1981 : **Lecturer**, Dept. of Mechanical Engineering, Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh.

OTHER EXPERIENCES:

- 1999 to date : Secretary General, Bangladesh Society of Mechanical Engineers.
- 1999 to date : Coordinator, DFID, UK Higher Education Link project on Renewable Energy between BUET and Loughborough University, UK.
- 1993 to date : Editor, Journal of Mechanical Engineering Research and Developments published by Dept. of Mechanical Engineering, BUET, Dhaka.
- 1999 to date : Member of the Editorial Board, International Journal of Numerical Modelling in Science & Engineering, Published by Cambridge International Science Publishing, UK.
- 2001 to date : Member of the Post Graduate Board of Studies, Islamic University of Technology (an organ of OIC), Gazipur
- 2003 : Act as a member of the international scientific advisory committee of the 7th Asian International Conference on Fluid Machinery (Theme: Environmentally Responsible Technology from Asia), Oct 7-10, 2003, Fukuoka, Japan.
- 2002 : Convenor, International Conference of Renewable Energy for Rural Development, 19-21 Jan 2002, Dhaka.
- 2001 : Coordinator of the Short Course on "Photovoltaic Technology for Bangladesh" organized at BUET under the Higher Education Link Project of DFID, 12-16 March 2001.
- 2001 : Secretary, BSME-ASME International Conference on Thermal Engineering, Dhaka, 31 dec 2001- 2 Jan 2002.
- 1997 to 1999 : Head, Dept. of Mechanical Engineering, BUET, Dhaka
- 1999 : Organizing Secretary, 3rd Int. Conf. on Fluid Mechanics and Heat Transfer, 15-16 Dec. 1999, Dhaka.
- 1995 : Organizing Secretary, Seminar on Fluid Mechanics Research, 27-28 Dec. 1995, Dhaka.
- 1995 to 1996 : Provost, Ahsanullah Hall, BUET.
- 1992 to 1996 : Head, Computational Division, Dept. of Mechanical Engineering, BUET.
- 1989 to 1992 : System Analyst of the Computer Center, BUET as an additional assignment.
- 1988 to 1992 : Assistant Provost of a students' hall (Sohrawardy Hall), BUET.

PROFESSIONAL SOCIETY MEMBERSHIP:

Fellow	:	Institution of Engineers, Bangladesh.
Fellow	:	Bangladesh Society of Mechanical Engineers (BSME).
Member	:	Asian Fluid Mechanics Committee (an affiliated body of IUTAM)
Member	:	National Oceanography & Maritime Institute, Bangladesh.
Member	:	Bangladesh Computer Society.

SUPERVISION OF GRADUATE STUDENT THESIS:

1. "Prediction of Heat Transfer and Fluid Flow Characteristics in a Recirculating Reattaching Flow", M.Sc.Engg. Thesis, Dept. of Mech. Engg., BUET, 1989.
2. "Investigation of the Effects of Wind and Passenger Crowding on the Stability of Inland Passenger Vessels", M.Sc.Engg. Thesis, Dept. of Mech. Engg., BUET, 1990.
3. "Flow Characteristics Around Rectangular Cylinders in Tandem", M.Sc.Engg. Thesis, Dept. of Mech. Engg., BUET, 1991.
4. "Numerical Prediction of Flow Characteristics Around Square Cylinders in Tandem", M.Sc.Engg. Thesis, Dept. of Mech. Engg., BUET, 1992.
5. "Enrichment of Atmospheric Moisture by Electric Field for Possible Extraction of Latent Heat", M.Sc.Engg. Thesis, Dept. of Electrical & Electronic Engg., BUET, 1992. (Co-supervision).
6. "Axisymmetric Withdrawal from a Two-Layered Fluid System", M.Sc.Engg. Thesis, Dept. of Mech. Engg., BUET, 1994.
7. "Numerical Study of Turbulent Gaseous Combustion in Cylindrical Furnances", M.Sc.Engg. Thesis, Dept. of Mech. Engg., BUET, 1996.
8. "Numerical Study of Laminar Flow separation Over an Annular Backstep", M.Sc.Engg. Thesis, Dept. of Mech. Engg., BUET, 1996.
9. "A Numerical Study of Heat Transfer and Fluid Flow in a Corrugated Channel", M.Sc.Engg. Thesis, Dept. of Mech. Engg., BUET, 1999.

RESEARCH INTERESTS

Renewable energy , CFD, Turbulent Flow, Convective heat transfer.

PUBLICATIONS :

Summary:	Book (co-author and editors)	2
	Research Report	1
	Number of Journal Papers	35
	Number of Conference Papers.....	47