Name	**Dr. Naseem Ahmad**
Designation	**Professor**
Official Address	Department of Mathematics Jamia Millia Islamia New Delhi-110 025, India Ph. 6981717 Extn. 3358
Residential Address	A-112, First Floor, Jamia Flats Near Jamia Community Centre Noor Nagar, New Delhi-110025
E-mail	naseem_mt@yahoo.com, nahmad4@jmi.ac.in

Academic Performance

S.No.	Year	Degree	Class/Division	Board/University
(i)	1994	Ph.D.	Awarded	Jamia Millia Islamia
(ii)	1980	M.Phil.	Awarded	Aligarh Muslim University
(iii)	1976	M.Sc.	1st	Aligarh Muslim University

Employment Profile

Junior Lecturer	12-10-1978-21-10-1982	Milliya Junior College, Beed, India
Lecturer	22-10-1982-31-08-1989	K.B.N. College of Engineering, Gulbarga, India
Assist. Professor	01-09-1989-05-03-1990	-do-
Lecturer	7-3-1990-29-0801998	Jamia Millia Islamia New Delhi, India
Reader	30-08-1998 - 30-08-1998	-do-

Professor   31-08-2006   -do-

Projects completed   One funded by Jamia Millia Islamia (1995-96)

                                One funded by University Grants Commission.(1998-2001)

Membership of Professional /Learned /Scientific Bodies or Societies

Life Member : Indian Society of Technical Education (ISTE)

Founder Member : Indian Society of Industrial and Applicable Mathematics (ISIAM)

Life Member : Indian Society of Theoretical and Applied Mechanics (ISTAM)

Course Coordinator for UGC 3 week refresher course

7th Refresher Course in Mathematics funded by UGC on " Recent Trends in Algebra, Analysis and Geometry with Modeling Techniques", for College and University Teachers of India, Dec. 30, 2004 – Jan. 19, 2005, Staff Academic College, Jamia Millia Islamia, New Delhi, India

8th refresher course in Mathematics funded by UGC on " Algebra, Analysis and Applications", for College and University Teachers of India, Nov. 16 – Dec. 06, 2005, Academic Staff College, Jamia Millia Islamia, New Delhi, India

11th refresher course in Mathematics funded by UGC on " +Recent Adwnces in Mathematics and Their Applications", for College and University Teachers of India, Nov. 22 – Dec. 11, 2010, Academic Staff College, Jamia Millia Islamia, New Delhi, India

Ph.D. Awarded under my guidance (10)

Naved Khan (2000)   A study of boundary layer flow and heat transfer with
                             variable conductivity

Kavita Marwah (2001)   On boundary layer flow past a stretched and stretching plate
                              and heat transfer with variable conductivity

Sultan Ahmad (2003)   On viscosity factor in blood flow of controlled and
                               uncontrolled hypertension patients

Hasan Nihal Zaidi (2006)   a study of steady and unsteady flows and heat transfer

Malleshappa S. Patil (2007)   A comparative study of numerical solution of fluid flow
                              problems

Naresh Kumar (2008)   Mathematical modeling of orographic waves

Jay Pal Singh   (2008)   A study of fluids as lubricants with respects bearings /
                               joints

Preeti Jain (2009)   Periodic orbits of collision in the plane elliptic restricted
                               problems of three bodies when primaries are triaxial rigid
                               bodies and source of radiation pressure

Vipul Kumar Singh (2011)   A study of different available mathematical models and their
                              effectiveness relative to Black-Scholes model in the present scenario
                              with new recommendations

Ladu Ram Meena (2011)   Mathematical modeling of snow-fall based on orographic studies and
                              satellite data over Indian region

Foreign Visits
Participated in "College on methods an experimental techniques in biophysics", Trieste, Italy,
Sept. 28 – Oct. 23. 1992

Participated in "2nd BSME-ASME International Conference on Thermal Engineering", BUET, 2-4
January 2004, Dhaka

Taught as Reader in Mathematics, Department of Mathematics and Statistics, University of
Maiduguri, Maiduguri, Borno State, Nigeria, May 29, 2006-30-11-2008.

Participated and presented a paper entitled " unsteady boundary layer flow and heat transfer over
stretching sheet', in 28th UIT Congress on heat transfer, Universita degli di Brescia, Italy, June 21-
23, 2010

Field of Research: Fluid Dynamics (Boundary layer flow with heat transfer), Bio-fluid dynamics

Naseem Ahmad, K.S. Biradar and M.S. Patil
1. Numerical solution of boundary layer flow past a stretching plate with suction and heat transfer", Recent Trends in Mathematics and its Applications, World Education Publishers, 2012, 112-117.
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2. "Theoretical modeling of diffusional release of a dispersed solute from a cylindrical polymeric matrix", J. NanoSci. Nanoptechnol. Vol. 12, 2012, 7167-7172.
Rekha R. Rangi and Naseem Ahmad
3. "Boundary layer flow past a stretching cylinder and heat transfer with variable thermal conductivity", Applied Mathematics, Vol. 3, 2012, 205-209.
Mamta Misra, Naseem Ahmad and Zakawat Ullah Siddiqui
4. "Unsteady boundary layer flow past a stretching plate and heat transfer with variable thermal conductivity", World Journal of Mechanics, Vol. 2, 2012, 35-41.
Thekkethil Shefeeq and Naseem Ahmad
5. "Mathematical Modelling for the diffusional release of a dispersed solute from a cylindrical polymer matrix into finite external volume", Applied Mathematics, Vol. 3, 2012, 34-38."
Shefeeq.T and Naseem Ahmad
6. "Theoretical analysis of diffusional release of a solute from a cylindrical reservoir into a finite external volume", JMI International Journal of Mathematical Sciences, Vol. 2, 2011, 60-67.
Jay Pal Singh and Naseem Ahmad
7. "Analysis of a porous-inclined slider bearing lubricated with magnetic fluid considering thermal effects with slip velocity", J. of the Braz. Soc. Mech. Sci. & Eng., Vol XXXIII, No 3, July-September 2011, 351-355.
Vipul Kumar Singh and Naseem Ahmad
8." Forecasting performance of votality models for pricing S & P CNX Nifty Index options via Black-Scholes model", The IUP J. of Applied Finance, vol. 17, No. 3, 2011, 1-15.
Vipul Kumar Singh and Naseem Ahmad
9." Effectiveness of practitioner Black-Scholes and Gram-Charlier model for pricing S & P CNP Nifty 50 index options of India", Global J. of Finance and Management, vol. 3,no. 2, 2011, 235-251
Vipul Kumar Singh , Naseem Ahmad and Pushkar Pachori
10. "Empirical analysis of GARCH and practitioner Black-Sholes model for pricing S&P CNX Nifty 50 index options of India", DCISION (IIMC), Vol. 38, No. 2, Aug 2011, 51-66
Naseem Ahmad
11." Visco-elastic boundary layer flow past a stretching plate and heat transfer with variable thermal conductivity", World J. of Mechanics, 2011, 1, 15-20
Vipul Kumar Singh and Naseem Ahmad
12." Modeling S&P CNX Nifty Index Vitality with evidence from India", Indian Journal of Finance, Vol. 5, no. 2, February 2011, 34-47
V.K.Singh and N. Ahmad
13." Forecasting performance of constant elasticity of variance model: Empirical evidence from India", The Int. J. of Appl. Economics and Finance, 5(1), 2011, 87-96

Vipul Kumar Singh and Naseem Ahmad
14. "Empirical analysis of deterministic option pricing models: evidence from India", Int. J. of Financial Economics and Econometrics, Vol. 2, No.2, 2010, 97-111.

Jay Pal Singh, Naseem Ahmad and Sultan Ahmad
15. "A model for couple-stress fluid film mechanism with reference to human joints in case of slip velocity", Proc. 13th Asian Congress of Fluid Mechanics, Dhaka, Bangladesh, 17-21 December, 2010, 1068-1071.

Sultan Ahmad, Naseem Ahmad and Jay Pal Singh
16. "Magnetic effect on blood flow in artery in case of hypertensive patients", Proc. 13th Asian Congress of Fluid Mechanics, Dhaka, Bangladesh, 17-21 December, 2010, 469-474.

Naseem Ahmad and Mamta Mishra
17. " Unsteady boundary layer flow and heat transfer over a stretching sheet", Proc. Of UIT: 28th UIT Congress on Heat Transfer, Universita degli di Brescia, Italy, June 21-23, 2010, 37-40

Naseem Ahmad, Z.U.Sddiqui and M.K.Mishra
18. " Boundary layer flow and heat transfer past a stretching plate with variable thermal conductivity", Int. J. of Non-Linear Mechanics, No. 45, 2010, 306-309

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19."Boundary Layer Flow past a Stretching Sheet wit Suction and Heat Transfer as Two-Point Boundary Value Problem," Int. J. Mathematics and Computation, Vol. 2; No. M 09; 2009, 72-79

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20. "Visco-elastic flow past a general stretching plate",Glob Science Technology, Vol. 1, No.2, April-June, 2009, 117-120

Naseem Ahmad, Z.U.Sddiqui and M.K.Mishra
21. "MHD boundary layer flow past a stretching plate and heat transfer as two point boundary value problem", Int. J. Mathematics and Computation, Vol. 3; No. J 09; June 2009, 8-14

Preeti Jain, Naseem Ahmad, Iqbal Ahmad and K.B.Bhatnagar
22." Periodic orbits of collision in the plane elliptic restricted three body problem when the smaller primary is an axis-symmetric rigid body', Invertis J. of Sci. & Technology, Vol. 2, no. 2 April-June 2009, 122-132

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23." A study of typhoid fever through mathematical model', J. of research in Physical Sciences, Vol. 4, number 3, 2008, 105-110

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25." Analysis of a porous inclined slider bearing lubricated with a magnetic fluid considering slip velocity," Proc. IMechE : Journal of Engineering Tribology ,Vol.222 Part N:1 Nanoengineering and Nanosystems, 2008, 81-85

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32."The probability of the formation of Fog over New Delhi : A Fuzzy Logic Approach", Mausam, 58, 2 April 2007, 261 – 265

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48. "Theoretical study of stratified air flow across Khasi-Janta hills", Proc. National Conference (Mathematical Modelling), BIT Pilani (Rajasthan), 2004, 193-200
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51. " A note to the solution of T.C.Chiams problem on heat transfer with variable conductivity", Proc. of 1st BSME-ASME International Conf. on Thermal Engg., 1 Dec. 2001 – 2 Jan. 2002, Dhaka, B.D., 239-247
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52. "On Viscosity Factor in Hypertension Patients and its Effect on Blood Flow in Artery", Proc. Int. Conf. On Math. Modeling, Univ. of Roorkee, 2001, 694-698

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Naseem Ahmad and Kavita Marwah

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Naseem Ahmad
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Transfer", IJEMS, Vol. 5, Dec.,1998, 441-444

Naseem Ahmad and Z.A.Taqvi

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N. Ahmad
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Condition", International Journal of Heat and Technology, Vol. 14, No. 1, 1996. 59-66
N.Ahmad and A.Mubeen
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International Communications in Heat and Mass Transfer, Vol. 22, No. 6, 1995, 895-906.

A.Naseem

61. "On Temperature Distribution in a non-participating medium with Radiation Boundary
Condition", International Journal of Heat   and Technology, Vol. 13, No. 1, 1995, 19-29.
Naseem Ahmad
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Ahmad Naseem
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Naseem Ahmad, G.S.Patel and M. Shahabuddin
65. "Oscillatory Motion in Non-Newtonian Fluid", The Mathematics Education, Vol..xxv, No. 1,
March 1991, 60-63.
G.S.Patel, N.Ahmad and B.Siddappa
66. " Free Convection Laminar Flow of Walters Liquid B Past an Infinite Flat Porous Vertical Plate
with Suction Fluctuating," Acta Ciencia Indica, Vol. XVI, M, 4, 1990, 475-480.
N.Ahmad, G.S.Patel and B.Siddappa
67. " Visco-elastic Boundary Layer Flow past a Stretching Plate and Heat Transfer ", ZAMP, Vol. 41,
March 1990, 294-298.

G.S.Patel, N.Ahmad and M. Shahabuddin

68. "Viscous Flow Through a Channel Bounded By Two Parallel Walls in Porous Medium", Vijnan Ganga, vol. 2,no. 1&2,1989, 24-29.

N.Ahmad, G.S.Patel and B.Siddappa

69. " MHD-Unsteady Hele-Shaw Flow of Non-Newtonian Fluid ", Acta Ciencia Indica, Vol. XVM, Vol. 2, No. 2, 1989, 133-137.

N.Ahmad, G.S.Patel and B.Siddappa

70. "Unsteady Hele-Shaw Flow of Non-Newtonian Fluid", Proc. Math. Soc., B.H.U, Vol. 5, 1989, 1-5

Conferences Attended

"Fifth Annual Conference, Banaras Mathematical Society", B.H.U Varanasi, INDIA Dec.28 – 30, 1989
Conference on "Fourier Analysis, Approximation Theory and their Application", Aligarh Muslim University, Aligarh, INDIA, Sept. 6 – 9 , 1993.
"Sixtieth Conference of Indian Mathematical Society", University of Poona, India, Dec. 27 – 30, 1994
"Sixth Annual Conference of Vijnana Parishad of India", B.I.E.T., Jhansi, INDIA, Dec. 26 – 28,1996
Conference on " Mathematics and its Application in Engineering and Industry", University of Roorkee, Roorkee, INDIA. Dec. 16 – 18, 1996
"Fourth Annual Conference of Gwalior Academy of Mathematical Sciences" and Symposium on Mathematical Modeling and Computer Applications in High Altitude Physiological problems with special Reference to Defence", DRDE, Gwalior, INDIA, July 31, 1999
"International Conference on Mathematical Modeling of Nonlinear Systems", I.I.T. Kharagpur, INDIA. Dec. 09 – 11, 1999
Forty Fourth Congress of Indian Society of Theoretical and Applied Mechanics" REC, Warangal, INDIA Dec. 22 – 25, 1999
"47th Congress of Indian Society of Theoretical and Applied Mechanics", IIT Guwahati, INDIA, Dec. 23-26, 2002.
"2nd BSME-ASME International Conference on Thermal Engineering," BUET Dhaka, Bangla Desh, January 2-4, 2004.
" National Conference on Mathematical Modeling and Analysis (NCMMA'04)", Birla Institute of Technology and Science Pilani, October 8-9, 2004
" International Conference on Environmental Fluid Mechanics (ICEFM'05)", IIT Guwahati, INDIA, March 3-5, 2005.
" 17th Annual Conference of Rajasthan Ganit Parishad,," Department of Mathematics, Govt. Meera Girls College, Udaipur (Raj.), Feb. 10-11, 2006
" Annual National Conference of Mathematical Association of Nigeria (MAN)", Abubakar Tafawa Balewa University , Bauchi, Nigeria, Aug. 28- Sept. 02, 2006
" 26th Annual Conference of Nigerian Mathematical Society (NMS)", The Federal University of Technology, Akure, Ondo State, Nigeria, 15th –19th May, 2007
"UIT: 28th Congress on Heat Transfer", Universita degli di Brescia, Italy, June 21-23, 2010

"National Seminar on Recent Developments in Fluid Dynamics and 14th Prof. P.D. Verma Memorial Lecture", Department of Mathematics, University of Rajasthan, Jaipur; August 7-8, 2010

Invited talks 12

'Mathematics and its Applications' Staff Academic College, Jamia Millia Islamia, 1998
'Mathematics and Class room Teaching of Mathematics' at Staff Academic College, Jamia Millia Islamia, 2000
'Application of Taylor's theorem to Numerical Solution of PDE ' Staff Academic College, Jamia Millia Islamia, 2000
' Bio-mathematics and a Model of Blood Flow in Artery', Staff Academic College, Jamia Millia Islamia, New Delhi, Sept. 11, 2001.
' Non-linear differential equations in applied Mathematics' 5th refresher course, Staff Academic College, Jamia Millia Islamia, New Delhi-25, January 20-February 7, 2003.
'Differential geometry and calculus of variations for two dimensional applications,' All. India Council for Technical Education –Indian Society for Technical Education Sponsored Short Term Course for Sci. and Engineering, Dept. of Maths., PDA College of Engg., Gulbarga, Aug. 18- Sept. 29, 2003
' Ordinary differential equations and modeling through differential equations,' 6th refresher course, Staff Academic College, Jamia Millia Islamia, January, 2004
' Mathematical Modeling,' 17th Annual Conference of Rajasthan Ganit Parishad, Govt. Meera Girls College, Udaipur, Rajasthan, February 11, 2006
' The World Governed by Fluid Dynamics', National Seminar on Recent Developments in Fluid Dynamics and 14th Prof. P.D. Verma Memorial Lecture held in Department of Mathematics, University of Rajasthan, Jaipur; August 7-8, 2010.
" Some aspects of non-linear ordinary differential equations", 12th Int. Conference of International Academy of Physical Sciences, Department of Mathematics, University of Rajasthan, Jaipur , Dec. 22-24, 2010
"Mathematical Modeling in respect of Fluid Flow in Kidneys", 3rd National Symposium on Modern Trends in Diff. Geometry and Mathematical Modelling in Bioscience, Dept. of Maths., Lucknow University, Lucknow, January 15-16, 2011
"Keller Box Scheme",UGC Sponsored-National Seminar on Recent Advanced in Applied Mathematics and 16th Prof. P.D. Verma Memorial Lecture 2012 held on July 29, 2012, Department of Maths., University of Rajasthan, Jaipur.

Books

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