



Anuj Jain

Professor & Head

Department of Applied Mechanics

Motilal Nehru National Institute of Technology

Allahabad 211004 UP India

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Specialization and Research Interests

Computational Fluid Dynamics

Centrifugal Pumps, Aerodynamics (Cyclone Separator, Y ducts)

Bio-fluid dynamics (Blood flow in human arteries and Air flow modeling in human respiratory tract)

Biomechanics (Synthesis and characterisation of scaffold and implants, Characterization and modeling of bone and muscle system)

Synthesis and characterization of ferrites for Gas sensing and electro-magnetic applications

Date of Birth

15th Nov. 1962

Educational Qualification

2002

Ph.D.

Indian Institute of Technology, Roorkee India

Ph.D. Thesis :

Studies on Gas Solid Heat Transfer in Cyclone

1988

M.E. (Analysis & Design of Process Equipments)

M.N.R. Engineering College, Allahabad, U.P. INDIA.

University of Allahabad, Allahabad, U.P. INDIA.

M.E. Thesis :

Analysis of Anisotropic Cylindrical Shell

1983

B. Tech. (Chemical Engineering)

H.B. Technological Institute, Kanpur UP INDIA

Kanpur University, Kanpur UP INDIA

Teaching & Research Experience –27 years

Professor

Department of Applied Mechanics,

M.N. National Institute of Technology, Allahabad UP INDIA

1 May 2006 – till date

Associate Professor

Department of Applied Mechanics,

M.N. National Institute of Technology, Allahabad UP INDIA

1 Jan 2006 – 30 Apr 2006

Assistant Professor

Department of Applied Mechanics,

M.N. National Institute of Technology, Allahabad UP INDIA

20 Feb 2000 – 30 Dec 2005

Lecturer (Selection Grade)

Department of Applied Mechanics,

M.N.R. Engineering College, Allahabad UP INDIA

9 Jan 1998 – 19 Feb 2000

Lecturer (Senior Grade)

Department of Applied Mechanics,

M.N.R. Engineering College, Allahabad UP INDIA

9 Jan 1993 – 8 Jan 1998

Lecturer

Department of Applied Mechanics,

M.N.R. Engineering College, Allahabad UP INDIA

9 Jan 1987 – 8 Jan 1993

Industrial Experience –1.4 year

Production supervision at BCR Ltd., Faridabad, HR INDIA

Feb 1984 – June 1985

UG Experience—27 years

Courses Taught - 6

Current Year

Past

Materials Science & Engineering
Strength of Materials
Composite Materials
Engineering System Design
Reliability Engineering
Optimization

B.E./B.Tech. Projects Supervised- 6

PG Experience—27 years

Courses Taught – 14

Current Year

*Design of Experiments**
*Computational Materials Science**

Past

Experimental Methods and Design
Applied Computational Methods
*Computational Fluid Dynamics**
Ceramics and Ceramic Technology
*Smart Materials & Systems**
*Materials Characterisation**
Mechanical Behaviour & Fracture Mechanics
*Information Technology in Material Science**
Advanced Material Science
Optimization Technique
Theory of Elasticity
Theory of Stability
Experimental Stress Analysis

**new courses developed*

M.E./M.Tech. Theses Supervised – 51 + 5 (in progress)

Ph.D. Theses Supervised – 3 (completed) + 6 (in progress)

Since Jan 2014

Fatigue Behavior Study of Severe Plastic Deformed Materials
Mr. Braj Krishna

Since Jan 2014

Studies on Nano Filler based Polymer Composites
Mr. Sushil Kumar Singh

Since July 2011

Performance Studies of Centrifugal Pump using CFD
Mr. Atiq Ur Rehman

Since July 2010

Computational Studies on Airflow and Particle Laden Flow in the Human Respiratory Tract without and with Tumor
Mr. Vivek Kumar Srivastav

Since July 2009

Studies on Ferrite Based Microwave T/R Switch
Mr. Zeeshan Vakil, Co-supervisor: Prof. K.M. Gupta, MNNITA

Since Jan 2009

Development of Assistive devices for Lower Limb Disabilities
Mr. Yogesh Chandra, Co-supervisor: Dr. R.P. Tewari

Awarded 2013

Aerodynamic Studies of Turbulent Flow in Twin Air-Intakes
Mr. Akshoy Ranjan Paul, Co-supervisor: Dr. S. Majumdar, NAL

Awarded 2008

Mechanical Techniques for Characterization of Bone
Mr. Satya Prasad Paruchuru, Co-supervisor: Prof X. Wang, UTSA

Awarded 2008

Studies on Nonlinear Analysis of Laminated Composite Rectangular Plates
Mr. Ramesh K. Pandey, Co-supervisor: Prof. K.K. Shukla, MNNITA

Research Publications – 74

International Journals	20
National Journals	02
International Conferences	27
National Conferences	25

Invited Talks/Plenary lectures/Keynote Addresses Presented–25

Seminars, Workshops & Conferences

Organized	1
Attended (in India)	22
(outside India)	2

Short Term Training Programmes

Organized	5
Attended	20

Academic Visits Abroad

Multifunctional Materials lab, Department of Materials, ETH, Zurich, Switzerland

College of Engineering, Florida International University, Miami, USA

College of Engineering, University of Missouri, Columbia, USA

Parks College of engineering, Aviation and Technology, Saint Louis University, Saint Louis, USA

Columbia University in the City of New York, USA

Membership of Professional Societies

Life Member, Indian Society of Technical Education. India.

Life Member, Institution of Engineers (India).

Life Member, Computer Society of India.

Life Member, National Society of Fluid Mechanics & Fluid Power, India.

Important Administrative and Extension Activities

18 Aug 2013-till date

Head (Department of Applied Mechanics), MNNIT, Allahabad

15 Dec 2010-16 Dec 2012

Dean (Research & Consultancy), MNNIT, Allahabad

16 Nov 2012-15 Nov 2015

Coordinator, MOU with Bharat Pump and Compressor Ltd. (A Government of India Undertaking), Allahabad

2009-16 Feb 2013

Founder Member, Governing Body, Indo-US Collaboration for Engineering Education (India)

10-11 May 2011

Member, Academic Audit Team, Maulana Azad National Institute of Technology, Bhopal

Member, Advisory Committee, 1st Annual Conference on Enabling Technologies for Chemical Process Industries with special focus on Best Practices in Process Modelling & Technical Training cum Technology Appreciation Program (TAP) on Enhance production through Process Modeling and Process Automation, IChE Kanpur Regional Centre, University Institute of Engineering and Technology, Chhatrapati Sahu Ji Maharaj University, Kanpur, India.

25-27 Oct 2009

Member, Technical & Advisory Committee (National), International Conference on Advances on Concrete, Structural and Geotechnical Engineering, at Birla Institute of Technology and Science, Pilani

05 - 06 Feb 2008

Member Advisory Board, National Conference on Material Science in Service to Society at CMP degree College, Allahabad

Publications – 74

- 2014 Vivek K. Srivastav, Amit Kumar, Shashank K. Shukla, Akshoy R. Paul, Amba D. Bhatt, **Anuj Jain**, *Airflow and Aerosol-Drug Delivery in a CT Scan based Human Respiratory Tract with Tumor using CFD*, **Journal of Applied Fluid Mechanics**, Accepted, Vol. 7, No. 2, April 2014. **SCI**, Impact Factor: 0.725.
- 2013 Vivek K. Srivastav, AkshoyRanjan Paul, **Anuj Jain**, "Effects of Cartilaginous Rings on Airflow and Particle Transport through Simplified and Realistic Human Upper Respiratory Tracts", **ActaMechanicaSinica**, vol. 29, no. 6, pp. 883-892, 2013. DOI 10.1007/s10409-013-0086-2, **SCI**, Impact Factor 1.369.
- 2013 Shrey Joshi, Aman Jindal, Vikrant S. Yadav, Prakhar K. Tiwari, Akshoy R. Paul, **Anuj Jain**, "Calibration Methodology of Wall Shear Stress Sensor", Proceedings of 40th National Conference on Fluid Mechanics & Fluid Power (FMFP-2013), 12-14 December 2013, NIT Hamirpur, Himachal Pradesh, Paper code: 290.
- 2013 Shashank Kumar Shukla, Vivek Kumar Srivastav, AkshoyRanjan Paul, **Anuj Jain**, "Computational Study of Aerosol Drug Deposition on Tumorous Human Airway Model", Proceedings of 40th National Conference on Fluid Mechanics & Fluid Power (FMFP-2013), 12-14 December 2013, NIT Hamirpur, Himachal Pradesh, Paper code: 148.
- 2013 Deepak Kumar Kalyan, Atiq Ur Rehman, AkshoyRanjan Paul, **Anuj Jain**, "Computational Flow Analysis through a Double-Suction Impeller of a Centrifugal Pump", Proceedings of 40th National Conference on Fluid Mechanics & Fluid Power (FMFP-2013), 12-14 December 2013, NIT Hamirpur, Himachal Pradesh, Paper code: 141.
- 2013 Z. Vakil, Anuj Jain, K.M. Gupta, Santosh Srivastava "Magnetic Characterization of a Novel Ferrite Nanoparticles", Proceedings of the International Conference on Nano and Composite Engineering (ICNCE 2013), 22-28 July 2013, Spain.
- 2013 Nithin Hegde, Prakhar Kant Tiwari, AkshoyRanjan Paul and **Anuj Jain**, Investigation of Flow Control in Transition Air-Intake using Synthetic Jet Actuators, Proc. of Indian Conference on Applied Mechanics (INCAM-2013) at IIT Madras, July 4-6, 2013, paper code: FM_13.
- 2013 Vivek K. Srivastav, Arvind K. Verma, Vikrant S. Yadav, Akshoy R. Paul, **Anuj Jain**, "Studies of Laminar Flow through a Bifurcated Human Respiratory Tract", Proc. of Indian Conference on Applied Mechanics (INCAM-2013) at IIT Madras, July 4-6, 2013, paper code: FM_1.
- 2013 AkshoyRanjan Paul, Shrey Joshi, Aman Jindal, Shivam P. Maurya, **Anuj Jain**, *Experimental Studies of Active and Passive Flow Control Techniques Applied in a Twin Air-Intake*, **The Scientific World Journal**, vol. 2013, Article ID 523759, 8 pages, 2013. doi:10.1155/2013/523759. **SCI**, Impact factor 1.73
- 2013 AtiqUrRehman, SubhashShinde, Vikash K. Singh, Akshoy R. Paul, **Anuj Jain**, Rakesh Mishra, *CFD based condition monitoring of centrifugal pumps*, Proceedings of COMADEM 2013, 11-13 June 2013, Helsinki, Finland, ISBN 9789526798103.
- 2013 **Anuj Jain**, Ravi Kant Baranwal, AjayaBharti, Z. Vakil, and C. S. Prajapati, *Study of Zn-Cu Ferrite Nanoparticles for LPG Sensing*, **The Scientific World Journal**, Volume 2013, Article ID 790359, 7 pages, <http://dx.doi.org/10.1155/2013/790359> Impact factor 1.73
- 2013 SubhashShinde, AkshoyRanjan Paul, **Anuj Jain**, "CFD Analysis of Viscous Flow over Delta-Rectangular Wing", Proc. of 2nd Students' Conference on Engineering and Systems (SCES 2013), MNNIT Allahabad, 12-14 April 2013, ISBN: 978-1-4673-5629-9.
- 2013 AkshoyRanjan Paul, Shrey Joshi, Aman Jindal, Shivam P. Maurya, Prabhakar K. Tiwari, **Anuj Jain**, *Effects of Upstream Rod's Shape on Drag on a Square Cylinder*, Proc. of International Conference of PSRC on Mechanical, Automotive and Materials Engineering (ICMAME'2013), 26-27 Jan 2013 **Hongkong**, Paper ID: 113811, pp. 35-40, **ISBN: 978-93-82242-23-9**
- 2013 AkshoyRanjan Paul, PritanshuRanjan, Vivek Kumar Patel, **Anuj Jain**, *Comparative Studies on Flow Control in Rectangular S-Duct Diffuser using Submerged-Vortex Generators*, **Aerospace Science and Technology** (An Elsevier Journal), vol 28, no.1, pp. 332-343, July 2013, ISSN: 1270-9638 **SCI**, Impact Factor: 1.487
- 2012 Vivek Kumar Srivastav, AkshoyRanjan Paul, **Anuj Jain**, *CFD Simulation of Airflow and Particle Deposition in Third to Sixth Generation Human Respiratory Tract*, Proceedings of 39th National Conference on Fluid Mechanics & Fluid Power (FMFP-2012), 13-15 December 2012, Surat, Gujarat, Paper code: 245, ISBN: 9788192549408.

- 2012 AkshoyRanjan Paul, Ashish Mittal, **Anuj Jain**, *Slotted flow separation control over a NACA2412 airfoil*, Proceedings of 39th National Conference on Fluid Mechanics & Fluid Power (FMFP-2012), 13-15 December 2012, Surat, Gujarat, Paper code: 039, ISBN: 9788192549408.
- 2012 AkshoyRanjan Paul, RamakantPandey, Aman Jindal, Prakhar Kant Tiwari, **Anuj Jain**, "Studies of Drag on Square Cylinder with Upstream Rod in Staggered Arrangement", Proceedings of 6th National Conference on Wind Engineering (NCWE-2012), 14-15 December 2012, New Delhi, Paper ID: 1207, pp. 169-179, ISBN: 9788192554808.
- 2012 Ramesh Pandey, A.K. Upadhyaya, K.K. Shukla, **Anuj Jain**, "Nonlinear Dynamic Response of Elastically Supported Laminated Composite Paltes", **Mechanics of Advanced Materials and Structures**. vol. 19, no. 6, pp. 397-420, June 2012. Posted online: 14 Mar 2012 **ISSN: 1537-6494 SCI, Impact Factor: 0.926**
- 2011 AkshoyRanjan Paul, Shrey Joshi, Aman Jindal, AjitVerma, Shivam P. Maurya, **Anuj Jain**, "Active Flow Control in Twin Air-Intake using Vortex Generators Jets", Proceedings of the 9th International Conference on Mechanical Engineering (ICME-2011), 18-20 December 2011, Dhaka, Bangladesh, Paper Code: ICME11-FL-024.
- 2011 Vivek Kumar Srivastav, **Anuj Jain**, AkshoyRanjan Paul, Shrey Joshi, "CFD Modelling of Airflow in Human Respiratory System", Proceedings of the 9th International Conference on Mechanical Engineering (ICME-2011), 18-20 December 2011, Dhaka, Bangladesh, Paper Code: ICME11-FL-09.
- 2011 Akshoy R. Paul, Pradip K. Niranjana, Shrey Joshi, AjitVerma, **Anuj Jain**, "Computational Analysis of a Rear Spoiler on a Sedan Car", Proceedings of the 38th National Conference on Fluid Mechanics and Fluid Power, M.A.N.I.T. Bhopal, India, Dec. 13-15, 2011, Paper code: CFD-13.
- 2011 Akshoy R. Paul, Shrey Joshi Aman Jindal, Shivam P. Maurya, **Anuj Jain**, "Comparison of Active and Passive Flow Controls: A Case Study in Bifurcated Air-Intake", Proceedings of the 38th National Conference on Fluid Mechanics and Fluid Power, M.A.N.I.T. Bhopal, India, Dec. 13-15, 2011, Paper code: FP-04.
- 2011 Vivek Kumar Srivastav, Amit Kumar, **Anuj Jain**, AkshoyRanjan Paul, , "CFD Modelling of Bifurcated Human Airways", Proceedings of the 38th National Conference on Fluid Mechanics and Fluid Power, M.A.N.I.T. Bhopal, India, Dec. 13-15, 2011, Paper code: CFD-07.
- 2011 AkshoyRanjan Paul, Ravi RanjanUpadhyay, **Anuj Jain**, "A Novel Calibration Algorithm for Five-hole Pressure Probe", **Int. Journal of Engineering, Science and Technology (IJEST)**, vol. 3, no. 2, pp. 89-95, July 2011. **ISSN: 2141-2820**
- 2011 DheerajSagar, AkshoyRanjan Paul, **Anuj Jain**, "CFD Investigation of Turbulent Separated Flows in Axisymmetric Diffusers", **Int. Journal of Engineering, Science and Technology (IJEST)**, vol. 3, no. 2, pp. 104-109, July 2011. **ISSN: 2141-2820**
- 2011 AkshoyRanjan Paul, PritanshuRanjan, Ravi RanjanUpadhyay, **Anuj Jain**, "Passive Flow Control in Twin Air-Intakes", Proceedings of WASET International Conference on Mathematical and Computational Methods in Science and Engineering (ICMCMSE 2011), **Paris, France**, June 24-26, 2011yr 7, issue 77, Article no. 56, pp. 297-304, print ISSN: 2010-376X.
- 2011 Bharat B. Gulyani,**Anuj Jain**, Shalendra Kumar, "Optimal Synthesis of Mutipass Heat Exchanger without resorting to Correction Factor", Proceedings of WASET International Conference on Mathematical and Computational Methods in Science and Engineering (ICMCMSE 2011), **Paris, France**, June 24-26, 2011yr 7, issue 77, Article no. 210, pp. 1190-1196, print ISSN: 2010-376X.
- 2011 AkshoyRanjan Paul, PritanshuRanjan, Ravi RanjanUpadhyay, **Anuj Jain**, "Flow Control in Twin Air-Intakes using Vortex Generators", Recent Researches in Applied and Computational Mathematics, pp. 107-116, WSEAS Press, ISBN: 9781618040022, Proceedings of International Conference on Applied and Computational Mathematics (ICACM '11), Lanzarote, Canary Islands, Spain, May 27-29, 2011.
- 2011 **AnujJain**,AkshoyRanjan Paul, S.K. Aggarwal, B. Mohanty, B.P. Mani, "A New Correlation for Holdup in Gas-Solids Cyclone", Recent Researches in Applied and Computational Mathematics, pp. 117-126, WSEAS Press, ISBN: 9781618040022, Proceedings of International Conference on Applied and Computational Mathematics (ICACM '11), Lanzarote, Canary Islands, Spain, May 27-29, 2011.
- 2011 AkshoyRanjan Paul, PritanshuRanjan, Vivek Kumar Patel, **Anuj Jain**, "Flow Control in Rectangular S-Duct Diffuser using Submerged Vortex Generators", **Int. Review of**

Aerospace Engineering, Vol. 4, No. 2, pp. 76-86, April 2011. **ISSN: 1973 – 7459, Impact Factor: 6.5**

- 2010 AkshoyRanjan Paul, PritanshuRanjan, Ravi RanjanUpadhyay, **Anuj Jain**, “*Passive Flow Control through Y-shaped Air Intake using Submerged Vortex Generators*”, Proceedings of 5th International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM-2010), IIT Kharagpur, India, Dec 27-29, 2010, Paper No. 148, pp. 373-375, ISBN: 9789380813035.
- 2010 Ajay Pratap Singh, AkshoyRanjan Paul, Ravi RanjanUpadhyay, **Anuj Jain**, “*Control of Turbulent Flow Separation over Humps in a Channel*”, Proceedings of 5th International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM-2010), IIT Kharagpur, India, Dec 27-29, 2010, Paper No. 301, pp. 740-742, ISBN: 9789380813035.
- 2010 DheerajSagar, AkshoyRanjan Paul, Ravi RanjanUpadhyay, **Anuj Jain**, “*Aerodynamic Effects of Rear Spoiler and Vortex Generators on Passenger Cars*”, , Proceedings of 5th International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM-2010), IIT Kharagpur, India, Dec 27-29, 2010, Paper No. 311, pp. 760-762, ISBN: 9789380813035.
- 2010 AkshoyRanjan Paul, Ravi RanjanUpadhyay, **Anuj Jain**, “*Influence of Overlap in Second Bends and Turning Angle on the Flow Characteristics of Y-shaped Air Intakes*” Proceedings of 13th Asian Congress of Fluid Mechanics (ACFM-2010), Dhaka, Bangladesh, Dec. 17-21, 2010, Paper No. 154, vol. I, pp. 150-153, ISBN: 9789843322142.
- 2010 AkshoyRanjan Paul, PritanshuRanjan, Ravi RanjanUpadhyay, **Anuj Jain**, “*Fluid control in Y shaped air intake using vortex generator*” in Proc. of 4th International Conference on Fluid Mechanics and Fluid Power, I.I.T. Madras, India, Dec. 16-18, 2010, Paper No. FMFP-10-FP-5.
- 2010 Ravishankar L N , **Anuj Jain**, AkshoyRanjan Paul, “*CFD Analysis of Separation Efficiency in a Typical Cyclone Separator*”, Proc. of Modeling and Simulation in Heat Transfer and Fluid Flow (MSHTFF), National Institute of Technology, Jamshedpur, July 9-10, 2010, Paper No. MSHTFF-14.
- 2010 PunjLata Singh, **Anuj Jain**, PritanshuRanjan, “*Computational Study of the Effect of a Plane Boundary on Vortex Shedding of a Circular Cylinder*”, Proc. Of Golden Jubilee National Conference on Modelling and Simulation in Heat Transfer and Fluid Flow, NIT, Jamshedpur, July9-10, 2010.
- 2010 DheerajSagar, AkshoyRanjan Paul, PritanshuRanjan, **Anuj Jain**, “*Validation of turbulent separated flows in axisymmetric diffusers using CFD*”, Proc. of 5th National Conference on Applicable Mathematics in Wave Mechanics and Vibrations (5th WMVC-2010), Kakatiya University, Warangal, March 13-15, 2010, vol. I.
- 2010 AkshoyRanjan Paul, Ravi RanjanUpadhyay, **Anuj Jain**, “*Studies on calibration algorithms of five-hole pressure probe*”, Proc. of 5th National Conference on Applicable Mathematics in Wave Mechanics and Vibrations(5thWMVC-2010), Kakatiya University, Warangal, March 13-15, 2010, vol. I
- 2010 DheerajSagar, AkshoyRanjan Paul, PritanshuRanjan,**Anuj Jain**, “*Validation of turbulent separated flows in axisymmetric diffusers using CFD*”, Proc. of 5th National Conference on Applicable Mathematics in Wave Mechanics and Vibrations(5thWMVC-2010), KakatiyaUniversity, Warangal, March 13-15, 2010, vol. I
- 2009 Srivastava Rajeev, **Jain Anuj**, *Engineering Education Development in India a Model of Foundation Building for Freshman Engineering Student of 21st Century*, Conference on Technical Education for Leveraging Innovation and Entrepreneurship, 39th ISTE Annual Convention, NITK, Surathkal, Mangalore, India, Dec 18-20, 2009.
- 2009 Kumar Rajesh, Ravishankar L.N., **Jain Anuj**, *CFD Simulation of Air Flow in Cyclone Separator*, 1st Annual Conference on Enabling Technologies for Chemical Process Industries, IChE Kanpur Regional Centre, University Institute of Engineering and Technology, ChhatrapatiSahuJiMaharaj University, Kanpur, India, Nov 13-14, 2009
- 2009 Pandey Ramesh, Shukla, K.K., **Jain, Anuj**, *Thermoelastic Stability of Laminated Composite Plates: An Analytical Approach*, **Communications in Nonlinear Science and Numerical Simulation**, vol. 14, 2009, pp. 1679-1699. **ISSN 1007-5704 SCI, IMPACT FACTOR 2.806, H Index: 35**
- 2008 Paruchuru S.P., **Jain Anuj**, *Normalised Specimen Thickness Requirements of Compact Sandwich Test for Measuring Fracture Toughness of Bone*, **Journal of Applied Biomaterials and Biomechanics**, vol. 7, 2008, pp. 43-52. **ISSN 1722-6899, SCI, Impact factor; 0.761, H Index: 11**

- 2008 Pandey Ramesh, Shukla, K.K., **Jain, Anuj**, *Nonlinear Flexural Analysis of Laminated Composite Plates*, **International Journal of Applied Mechanics and Engineering**, vol. 13, no. 3, 2008, pp. 707-733. **ISSN: 1425-1655**
- 2007 **Jain, Anuj**, *Reliability Analysis of Safety Systems in Nuclear Power Reactor*, National Conference on Quality, Reliability and Maintainability Aspects in Engineering Systems (QRMAES-2007), NIT Hamirpur, India, Dec 27-28, 2007, pp. 30-39.
- 2007 Paruchuru, S, X. Dong, X. Wang, and **Jain Anuj**, *Mechanical Techniques for Measuring Properties of Cortical Bone*, National Conference of Medical Materials, IIT Chennai, India, Dec 13-14, 2007
- 2007 Pandey, Ramesh, Shukla, K.K., Upadhyaya, A.K., **Jain, Anuj**, *Nonlinear Response of laminated Composite Plates under Hygromechanical Loading*, International Conference on Theoretical, Analytical, Computational and Experimental Mechanics (ICTACEM-2007), IIT Kharagpur, India, Dec 27-29, 2007, 402-404.
- 2007 Paruchuru S.P., and **Jain Anuj**, *Finite Element Modeling and Experimental Validation of Computational Procedures for a Fracture Mechanics based Bone Test Method*, **Trends in Biomaterials & Artificial Organs**, vol. 21, no. 1, July 2007, pp. 1-7. **ISSN 0971-1198, IMPACT FACTOR 0.792H Index: 12**
- 2007 Paruchuru S.P., **Jain Anuj**, Wang X., *Size Requirements of Compact Sandwich Specimen for Testing of Bone*, **Journal of Mechanics in Medicine and Biology**, vol. 7, no. 4, 2007, pp. 419-431. **ISSN 0219-5194 SCI, IMPACT FACTOR 0.49**
- 2006 Pandey, R., Shukla K.K., **Jain, Anuj**, *Post Buckling Response of Laminated Composite Rectangular Plates*, International Congress of Computational Mechanics and Simulation 2006 (ICCMS-06), IIT Guwahati, vol 1, Dec 8-10, 2006, 257-263
- 2006 Bose, S., Singh B.N., **Jain, Anuj**, *Thermal Buckling of Laminated Composite Plate with Random Material Properties*, International Congress of Computational Mechanics and Simulation 2006 (ICCMS-06), IIT Guwahati, vol 1, Dec 8-10, 2006, 229-235
- 2006 **Jain, Anuj**, Mohanty, B., Pitchumani, B., Rajan, K.S., *Studies on Gas-Solid Heat Transfer in Cyclone Heat Exchanger*, **ASME Journal of Heat Transfer**, vol 128, no 8, August 2006, pp. 761-768 **ISSN: 0022-1481 SCI, IMPACT FACTOR 1.83**
- 2005 Singh C.V.K., Singh B.N., **Jain Anuj**, *Buckling of Random Smart Composite Plate using Thermo-Mechanical Piezoelectric Model*, International Conference On Computational And Experimental Engineering And Sciences 2005, IIT Chennai, Dec, 2005
- 2004 Pandey Ramesh, Shukla K.K., **Jain Anuj**, *Nonlinear static analysis of laminated composite plates*, International Conference on Theoretical, Analytical, Computational and Experimental Mechanics (ICTACEM 2004), IIT Kharagpur, pp. 140-142, Dec, 2004
- 2004 Ghunage Sunil, Singh B.N., **Jain Anuj**, *Free vibration of Laminated Composite Plate with Random Geometric Properties*, International Congress on Computational Mechanics and Simulation (ICCMS-02), IIT Kanpur, Dec, 2004
- 2004 Shukla K.K., Patil Manoj, **Jain Anuj**, Pandey Ramesh, *Thermal Buckling of Functionally Graded Rectangular Plate*, 17th Engineering Mechanics Conference, University of Delaware, USA, June 12-14, 2004
- 2003 **Jain, Anuj**, Singh B.N., Chopade Dhananjay, Ghunage Sunil, *Finite Element Analysis of Ferrocement Component*, Interactive Workshop on Ferrocement Technology Transfer For Hill Region, Department of Science and Technology, Technology Transfer Division, Dehradun, India, June 28-30, 2003
- 2003 Kumar, Shalendra, **Jain, Anuj**, Mohanty, B., Gupta, S.C., *Recirculation Model of Kettle Reboiler*, **International Journal of Heat and Mass Transfer**, vol. 46, no. 15, May- June, 2003, pp. 2899-2909, **ISSN: 0017-9310, IMPACT FACTOR 2.913, H Index: 96**
- 2001 **Jain, Anuj**, Mohanti B., *Modelling of Non-Newtonian flow through Pipe Network*, International Conference on Mathematical Modelling, University of Roorkee, Roorkee, India, Jan 29-31, 2001
- 2000 Kumar, Shalendra, **Jain, Anuj**, Gupta S.C., Mohanty, B., *Nucleate Pool Boiling of Distilled Water on REC tubes*, Sixteenth National Convention of Mechanical Engineers, Institution of Engineers (India), Roorkee, India, Sep 29-30, 2000
- 2000 Kumar, Shalendra, **Jain, Anuj**, Gupta S.C., Mohanty, B., *Boiling Heat Transfer From a Vertical row of Horizontal Reentrant Cavity tubes*, ASME - ZSITS International Thermal Science Seminar, Bled, Slovenia, 11-14 June 2000.
- 2000 Gulyani, B.B., **Jain, Anuj**, *Innovations in the Design of Shell and Tube Heat Exchanger*, ASME - ZSITS International Thermal Science Seminar, Bled, Slovenia, 11-14 June 2000.

- 2000 Gulyani, B.B., **Jain, Anuj**, *Temperature Cross based criteria for Multipass Heat Exchanger Design, Hydrocarbon Processing, Houston, Texas, USA.*
- 1999 Gulyani, B.B., **Jain, Anuj**, *Use Engineering Judgement in Analysis of Pipe Flow*, South Asian Countries Conference on Challenges to Architects and Civil Engineers During Twenty First Century, Kathmandu, Nepal, April 7-9, 1999, pp. 663-676.
- 1997 **Jain, Anuj**, Gulyani, B.B., Kumar, Shalendra, Mohanty, B., *New Friction Factor Correlations for Hydraulically Smooth Pipe*, National Seminar on Emerging Trends in Design Engineering, Institution of Engineers (India), Allahabad, India, 31 Jan - 2 Feb 1997, pp. IV - 121-130.
- 1997 Mohanty, B., Gulyani, B.B., Kumar, Shalendra, **Jain, Anuj**, *Augmentation in Single Phase Shell and Tube Heat Exchanger*, Chemical Industry Digest, Mumbai, India, 3rd Quarter, Sep 1997, pp. 105-122
- 1997 Gulyani, B.B., **Jain, Anuj**, Kumar, Shalendra, Mohanty, B., *Simple Method Determines Flow Regimes for Friction Factor Calculations*, Hydrocarbon Processing, Houston, Texas, USA, Dec 1997, pp. 71-73.
- 1996 **Jain, Anuj**, Gulyani, B.B., Kumar, Shalendra, Mohanty, B., *Mathematical Analysis of Correlations for pipe flow friction factor*, Proceeding of Conference on Mathematics & its Applications in Engineering and Industry, Roorkee, 16-18 Dec, 1996, Narosa Publication, New Delhi, India, pp. 314-320.
- 1996 Gulyani, B.B., **Jain, Anuj**, Kumar, Shalendra, Mohanty, B., *Correlations for pipe flow friction factors*, Engineering Advances, Mumbai, India, Dec 1996, pp. 55-57.
- 1994 **Jain, Anuj**, Sai, A.S.R., *Fuzzy logic Based Evaluation of Ferrocement Folded plate Umbrella*, Proceeding of Second Asia Pacific Symposium on Ferrocement, Roorkee, India, 25-27 Feb. 1994, pp. 1/11-1/21.
- 1993 Sai, A.S.R., **Jain Anuj**, *Durability Performance and Fuzzy logic Based Evaluation of Ferrocement Structures*, Int. Sym. on Innovative World of Concrete (ICI-IWC93), Bangalore, India, pp. 2/137-2/149.
- 1993 Paliwal, D.N., Gupta, R., **Jain, Anuj**, *Stress Analysis of Ellipsoidal Shell on an Elastic Foundation*, **Int. J. Pressure Vessel and Piping**, vol. 56, pp. 229-242. **ISSN: 0308-0161 SCI, IMPACT FACTOR 1.513.**
- 1992 Paliwal, D.N., Gupta, R., **Jain, Anuj**, *The Analysis of an Orthotropic Ellipsoidal Shell on an Elastic Foundation*, **Int. J. Pressure Vessel and Piping**, vol. 51, pp. 133-141, **ISSN: 0308-0161 SCI, IMPACT FACTOR 1.513.**

M.E./M.Tech. Theses Supervised – 51

2013	Air-Aerosol Two Phase Flow Study in Human Respiratory Tracts Using CFD Shashank Kumar Shukla
2013	Studies on Narrowing of Artery on Hemodynamic Factor using CFD Rachna David
2013	Design and CFD Analysis of Centrifugal Pump SubhashShinde
2013	Studies on Electric and Magnetic Behaviour of Zinc-Copper Ferrite Shwetambaram
2013	CFD Analysis of Solar Still Kaushal Kishore Mishra
2013	Computational Investigation of Cavitation & Bubble Flow Erosion in Centrifugal Pump Vikas Kumar Singh
2012	Effect of Air Inlet velocity on Separation Performance of Cyclone Sunil Kumar Singh
2012	CFD Analysis of Holdup in Cyclone OmkarPrakash
2012	Computational Analysis of Drag Reduction on Hatchback Car using Vortex Generator Shilpi Roy
2012	Effects of Tumor on Flow Patterns in Realistic Human Airways Using Computational Fluid Dynamics Analysis Amit Kumar Co-supervisor: Prof. A.D. Bhatt
2012	Physiochemical and Biological Evaluation of Chitosan Alginate Gelatin Scaffold for Tissue Engineering Application NehaSaxena Co-supervisor: Prof. PK Dutta
2012	Characterisation and Segmentation of Brain Tumor Using CT Images Ruchi Co-supervisor: DrSandeepJaiswal
2012	Synthesis and Characterisation of Ce substituted Barium Hexaferrite for Microwave Application Rahul Agarwal
2011	Synthesis and Characterisation of Nickel doped Zinc Ferrite SantoshSrivastava
2011	Synthesis and Characterisation of Manganese doped Cobalt Ferrite for Microwave Applications Nagesh Kumar Srivastava
2011	Synthesis and Characterisation of Zinc-Copper Ferrite for LPG Sensing Ravi Kant Baranwal
2011	CFD Analysis of Separation Performance in Cyclone Separator Rahul Chaturvedi
2011	Efficacy of Gentamicin & Ofloxacin containing Eudragit Nanoparticle against Escherichia coli Biofilms Vivek Kumar Pandey Co-supervisor: Dr Vishnu Agarwal
2011	A study on the release profile of Bovine Serum Albumin (BSA) From Chitosan-Alginate Scaffolds RituSirohi Co-supervisor: Prof. P.K. Dutta
2010	Effect of Nitriding Time on Hardness of HW10673 Steel Naveen Pratap Singh Co-supervisor: Mr. Abhishek Kumar
2010	Synthesis & Characterisation of Cu-Ni Ferrite Palette and Films Vikas Singh
2010	CFD Analysis of Separation Efficiency in a Typical Cyclone Separator Ravi Shankar L.N.
2010	Studies of Vortex Generators and Rear Spoiler on Car Aerodynamics DheerajSagar Co-supervisor: Mr. A.R. Paul
2009	Study of heat treatment on Microstructure and Hardness of NIMONIC 115 Alloy Sarfaz Ahmad
2009	A Micro-Mechanical Fatigue Damage Modelling of Off-Axis FRP Lamina

2009	Surendra Kumar Dwiwedi Fatigue Damage Modelling of Symmetric Cross-ply Laminated Composites Vinod Kumar Co-supervisor: Prof. K.M. Gupta
2009	CFD Simulation of Air Flow in Cyclone Rajesh Kumar
2007	Characterization of Lanthanum doped Lead ZirconateTitanate (PLZT) PunjPrakash
2006	Characterisation of PZT/PEZT Nano Powders Synthesized by Sol-Gel Process Prashant Sharma, Co-supervisor: Dr. AshutoshPandey
2006	Study on Lanthanum Modified Lead ZirconateTitnate (PLZT) Sudheer Kumar Bharti
2006	Analysis and Design of rain Water Harvesting Tanks Manish Srivastava
2005	Structure Property Correlation of DCSP-TIG weldments of AA2219 Aluminum Alloy Mukesh Kumar, Co-Supervisor: R Srinivasan, HAL. Bangalore
2005	Studies on 0-3 Ceramic Polymer PiezoComposites PiyushJaiswal, Co-supervisor: Dr. AshutoshPandey
2005	Studies on 0-3 PZT Cement PiezoComposite Rahul Vaish, Co-supervisor: Dr. AshutoshPandey
2005	Preparation and Characterization of Ceramic Nanocomposites for Structural Applications SadananadSarapure Co-supervisor: Dr. A.K. Mukhopadhyay, CGCRI, Kolkata
2005	Buckling of Smart Composite using Thermo-Mechanical Piezoelectric Model ChhatrapatiVinit Kumar Singh, Co-supervisor: Dr. B.N. Singh IIT, Kharagpur
2005	Thermal Buckling of Laminated Composite Plate with Random Material Properties Suraj Bose, Co-supervisor: Dr. B.N. Singh IIT, Kharagpur
2004	Stability Analysis of Rotating Piezoelectric Circular Cylindrical Shell Guddeti VSRKV Prasad
2004	Ceramic Polymer Hybrid Composites for Structural Applications K. Maruthi Krishna, Co-supervisor: Dr. A.K. Mukhopadhyay, CGCRI, Kolkata
2004	Mechanical Characterization of AlN and its Composites V. Venkatarami Reddy, Co-Supervisor: Dr. SampadBiswas, CGCRI, Kolkata
2003	Analysis of Laminated Composite Rectangular Shaft with Piezoelectric Layers AmitRawat
2003	Stability Analysis of Piezoelectric Circular Cylindrical Shell SandeepChauhan
2002	Optimized Design of Flat Steel Ribbon Wound Pressure Vessel Vijay Kumar S. Kamble
2001	Computer Aided Flexibility Analysis of Three Dimensional Piping System VineetPrakash, Co-supervisor: Dr. RakeshMathur
1996	Reliability Analysis of Portal Frame Manoj Kumar Pathak, Co-supervisor: Er. K.K. Shukla
1995	Computer Aided Flexibility Analysis of Piping Systems Bolla Siva Rama Murthy, Co-supervisor: Dr. RakeshMathur
1994	Study of Effect of Thickness Variation on Buckling of Cylindrical Shells Ram Nath Singh, Co-supervisor: Dr. A.K. Govil
1994	Stress Analysis of Spherical Shell by Energy Approach Prabir Kumar Dutta
1991	Pressure Drop in Fluidized beds Santosh Kumar, Co-supervisor: Dr. R.C. Mehta
1990	Reliability Analysis of Emergency Shutdown System in Nuclear Power Plant Arvind Mohan, Co-supervisor: Dr. A.K. Govil
1989	Analysis of Ellipsoidal Shell on Elastic Foundation by Asymptotic Approach Rajiv Gupta, Co-supervisor: Dr. D.N. Paliwal

Short Term Training Programme

Organized – 5

27 Sept.2013 – 28 Sept.2013	<i>Convener, First National Workshop on Research Methodology in Fluid Mechanics (RMFM-2014) in collaboration with the National Society of Fluid Mechanics & Fluid Power, India.</i>
2 July 2013 – 6 July 2013	<i>Coordinator, Self-financed Faculty Development Programme on Computational Fluid Dynamics at M.N. National Institute of Technology, Allahabad, India.</i>
7 July 2008 – 19 July 2008	<i>Coordinator, MHRD/AICTE sponsored Staff Development Programme on Experimental and Computational Methods in Fluid Dynamics at M.N. National Institute of Technology, Allahabad, India.</i>
15 Dec 2003 – 26 Dec 2003	<i>Coordinator, Induction Training Programme under Staff Development Scheme of AICTE at M.N. National Institute of Technology, Allahabad, India</i>
19 May 2003 – 30 May 2003	<i>Co-Coordinator, Induction Training Programme under Staff Development Scheme of AICTE at M.N. National Institute of Technology, Allahabad, India</i>

Attended – 20

26 Dec 2013 - 28 Dec 2013	<i>International Workshop on OpenFOAM-a Free Computational Fluid Dynamics Software:- Applications and Programming, under the Quality Improvement Program of University of Pune atRajarshiShahu College of Engineering, Pune</i>
21 Oct 2013 - 25 Oct 2013	<i>Workshop on Management Capacity Enhancement Programme for Administrator (TEQIP-II) at Indian Institute of Management Lucknow, NOIDA Campus.</i>
7 Jan 2013 - 11 Jan 2013	<i>Workshop on Accountability and Responsiveness in Scientific Organizations, under the DST scheme of National Programme for Training of Scientists & Technologists working in the Govt. Sector at Academy of Human Excellence, Vadodara.</i>
12 July 2010 - 16 July 2010	<i>Workshop on Materials Science and Nano Technology, in Indo-US Engineering Faculty Leadership Institute 2010 at National Institute of Technology, Surat.</i>
05 July 2010 - 09 July 2010	<i>Workshop on Computational Fluid Dynamics, in Indo-US Engineering Faculty Leadership Institute 2010 at National Institute of Technology, Surat</i>
06 July 2009 - 10 July 2009	<i>Workshop on Strength of Materials, in Indo-US Engineering Faculty Leadership Institute 2009 at Global Education Centre, Infosys Campus, Mysore.</i>
06 Mar 2009 - 08 Mar 2009	<i>Workshop on Computational Materials Science, at Indian Institute of Sciences, Bangalore and Chaired a session on Application of Soft Computing Techniques to Materials Modelling</i>
29 May 2008 - 30 May 2008	<i>Workshop on India's preparation for Washington Accord, in Indo-US Engineering Faculty Leadership Institute 2008 at Global Education Centre, Infosys Campus, Mysore.</i>
26 May 2008 - 28 May 2008	<i>Workshop on Effective teaching & learning, in Indo-US Engineering Faculty Leadership Institute 2008 at Global Education Centre, Infosys campus, Mysore.</i>
16 Jan 2006 - 27 Jan 2006	<i>Synthesis and Fabrication of Nano Ceramics and Components and their Industrial Applications at I.I.T, Kharagpur, India</i>
15 Feb 2005 - 17 Feb 2005	<i>Curriculum Processes by NITTTR, Chandigarh at MNNIT, Allahabad, India</i>
17 Jan 2005 - 21 Jan 2005	<i>Virtual Instrumentation at MNNIT, Allahabad, India</i>
3 Feb 1998 - 13 Feb 1998	<i>Process Safety and Risk Assessment at University of Roorkee, Roorkee, India</i>
19 June 1997 - 3 Jul 1997	<i>Generic Skills in Technical Education at University of Roorkee, Roorkee, India</i>
9 Oct 1995 - 11 Oct 1995	<i>Non-destructive Testing of R.C. Structures at University of Roorkee, Roorkee, India</i>
26 Dec 1994 - 6 Jan 1995	<i>Recent trends in Engineering Materials at M.N.R. Engineering College, Allahabad, India</i>
27 Dec 1993 - 8 Jan 1994	<i>Pump and Valve Selection for Optimum Performance at M.N.R. Engineering College, Allahabad, India</i>
12 Oct 1993 - 25 Oct 1993	<i>Computer Methods in Optimization at I.I.Sc., Bangalore, India.</i>
1 Jun 1992 - 16 Jun 1992	<i>Product Development at I.I.T, New Delhi, India.</i>
17 Dec 1990 - 29 Dec 1990	<i>Computer Aided Design at M.N.R. Engineering College, Allahabad, India.</i>
23 Jul 1984 - 13 Aug 1984	<i>Total Quality Control at Delhi productivity Council, Delhi, India</i>

Invited Talks/Plenary lectures/Keynote Addresses Presented—25*Transport Phenomena And Application of Computational Fluid Dynamics*

27 Jan 2014 - 31 Jan 2014

Short Term Course on Basic and Advanced Fluid Mechanics, Sam Higginbottom Institute of Agriculture, Technology and Sciences, Allahabad.

Data Analysis, Regression and Uncertainty

27 Sept 2013 - 28 Sept 2013

First National Workshop on Research Methodology in Fluid Mechanics (RMFM-2013), Motilal Nehru National Institute of Technology, Allahabad.

Finite Volume Method

25 Aug 2012 - 26 Aug 2012

Short term Course on Numerical Methods in Science and Engineering, Motilal Nehru National Institute of Technology, Allahabad.

Globalisation of Indian Engineering Education: A Road Map

14 Oct 2011 - 15 Oct 2011

National Conference on Globalization of Indian Engineering Education at OP Jindal Institute of Technology, Raigarh.

Engineering Education In Twenty First Century: Challenges And Opportunities

05 Sep 2009

Seminar on Teachers' day at BBS College of Engineering and Technology, Allahabad.

Gas To Solids Heat Transfer In Cyclone

06 Apr 2009 - 11 Apr 2009

AICTE Sponsored Staff Development Program on Advances in Heat Transfer at NIT Agartala

Effective Teaching Through Active Learning

02 Feb 2009 - 14 Feb 2009

Short Term Training Program on Advances in Production Technology and Industrial Engineering at MANIT Bhopal

Reliability of Nuclear Power Reactor Safety Systems-A case study

02 Feb 2009 - 14 Feb 2009

Short Term Training Program on Advances in Production Technology and Industrial Engineering at MANIT Bhopal

Product Design & Development-A Reliability Perspective

02 Feb 2009 - 14 Feb 2009

Short Term Training Program on Advances in Production Technology and Industrial Engineering at MANIT Bhopal

Reliability Based Design

21 Jul 2008 - 2 Aug 2008

MHRD/AICTE sponsored Staff Development Programme on CAD & FEM, MNNIT, Allahabad

Teaching Methodology

21 Jul 2008 - 2 Aug 2008

MHRD/AICTE sponsored Staff Development Programme on CAD & FEM, MNNIT, Allahabad

Flow measurement Techniques-An Overview

7 Jul 2008 - 19 Jul 2008

MHRD/AICTE sponsored Staff Development Programme on Experimental and Computational Methods in Fluid Dynamics, MNNIT, Allahabad

Experimental Data Modeling

7 Jul 2008 - 19 Jul 2008

MHRD/AICTE sponsored Staff Development Programme on Experimental and Computational Methods in Fluid Dynamics, MNNIT, Allahabad

Creativity & Problem Solving

30 Jun 2008 - 12 Jul 2008

MHRD/AICTE sponsored Staff Development Programme on Creativity & Soft skilled Development, MNNIT, Allahabad

Development of Reliable Product & Manufacturing

16 Jun 2008 - 28 Jun 2008

MHRD/AICTE sponsored Staff Development Programme on CAD CAM and its applications in Product Development & Manufacturing, MNNIT, Allahabad

Reliability Analysis of Safety Systems in Nuclear Power Reactor

27 Dec 2007 - 28 Dec 2007

Keynote address in National Conference on Quality, Reliability and Maintainability Aspects in Engineering Systems (QRMAES-2007), NIT Hamirpur, India.

11 Jun 2007 – 22 Jun 2007	<p><i>Design for Reliability</i></p> <p>In AICTE Staff Development Programme on Design for X at M.N. National Institute of Technology, Allahabad, India.</p>
12 Mar 2007 – 23 Mar 2007	<p><i>Methods of Material Characterization</i></p> <p>In AICTE Staff Development Programme on Advanced Manufacturing Processes at M.N. National Institute of Technology, Allahabad, India.</p>
29 Jan 2007 – 3 Feb 2007	<p><i>Modeling of Smart materials</i></p> <p>In Short Term Course on Finite Element Analysis (theory and Practice) at M.N. National Institute of Technology, Allahabad, India.</p>
17 Apr 2006 – 22 Apr 2006	<p><i>Optimized Curve Fitting</i></p> <p>In Executive Development Program at M.N. National Institute of Technology, Allahabad, India.</p>
10 April 2006 – 15 April 2006	<p><i>Experimental Methods in Flow Measurement</i></p> <p>In Design of Process Machine at M.N. National Institute of Technology, Allahabad, India.</p>
15 Dec 2003 – 26 Dec 2003	<p><i>Educational Technology</i></p> <p>In Induction Training Programme under Staff Development Scheme of AICTE at M.N. National Institute of Technology, Allahabad, India</p>
19 May 2003 – 30 May 2003	<p><i>Educational Technology</i></p> <p>In Induction Training Programme under Staff Development Scheme of AICTE at M.N. National Institute of Technology, Allahabad, India.</p>
26 Dec 1994 – 6 Jan 1995	<p><i>Composite Materials</i></p> <p>In QIP course on 'Recent trends in Engineering Materials' at M.N.R.EngineeringCollege, Allahabad, India</p>
26 Dec 1994 – 6 Jan 1995	<p><i>Corrosion of Materials</i></p> <p>In QIP course on 'Recent trends in Engineering Materials' at M.N.R. Engineering College, Allahabad, India</p>

Seminars, Workshops & Conferences

Organized - 2

27 Sept.2013 – 28 Sept.2013

First National Workshop on Research Methodology in Fluid Mechanics (RMFM-2014) in collaboration with the National Society of Fluid Mechanics & Fluid Power, India.

4 March 2006

Seminar on Energy Conservation, MNNIT, Allahabad

Attended – 22

12 Dec 2013 - 14 Dec 2013

40th National Conference on Fluid Mechanics & Fluid Power (FMFP-2013) at NIT Hamirpur, Himachal Pradesh, 12-14 December 2013 and presented three papers.

26 Jan 2013 - 27 Jan 2013

International Conference of PSRC on Mechanical, Automotive and Materials Engineering (ICMAME'2013), **Hongkong, China** and presented a paper *Effects of Upstream Rod's Shape on Drag on a Square Cylinder*

13 Dec 2012-15 Dec 2012

39th National Conference on Fluid Mechanics & Fluid Power (FMFP-2012) at SVNIT Surat, Gujarat, 13-15 December 2012 and presented two papers *CFD Simulation of Airflow and Particle Deposition in Third to Sixth Generation Human Respiratory Tract* and *Slotted flow separation control over a NACA2412 airfoil*

14 Oct 2011 - 15 Oct 2011

National Conference on Globalization of Indian Engineering Education at OP Jindal Institute of Technology, Raigarh. And presented a plenary lecture on *Globalisation of Indian Engineering Education: A Road Map*.

24 Jun 2011 – 26 Jun 2011

International Conference on Mathematical and Computational Methods in Science and Engineering (ICMCMSE2011), **Paris, France** and presented a paper on *Passive Flow Control in Twin Air-Intake*.

27 Dec 2010 – 29 Dec 2010

5th International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM-2010), IIT Kharagpur, India and **Chaired** one of the sessions

18 Dec 2009 – 20 Dec 2009

Conference on Technical Education for Leveraging Innovation and Entrepreneurship, 39th ISTE Annual Convention, NITK, Surathkal, Mangalore, India, Dec 18-20, 2009 and presented a paper on *Engineering Education Development in India a Model of Foundation Building for Freshman Engineering Student of 21st Century*,

27 Dec 2007 - 28 Dec 2007

National Conference on Quality, Reliability and Maintainability Aspects in Engineering Systems (QRMAES-2007), NIT Hamirpur, India, Dec 27-28, 2007 and presented a **keynote address** on *Reliability Analysis of Safety Systems in Nuclear Power Reactor*.

8 Dec 2006 - 10 Dec 2006

International Congress of Computational Mechanics and Simulation 2006 (ICCMS-06), IIT Guwahati.

19 Nov 2004 - 21 Nov 2004

National Conference on BioMechanics, IIT, Delhi.

28 Feb 2004 - 29 Feb 2004

National Seminar on Quality Assurance in Distance Education, Uttar Pradesh Rajarshi Tandon Open University, Allahabad, India

28 Jun 2003 - 30 Jun 2003

Interactive Workshop on Ferrocement Technology Transfer For Hill Region, Department of Science and Technology, Dehradun,, INDIA and presented a paper entitled 'Finite Element Analysis of Ferrocement Component'

29 Jan 2001 - 31 Jan 2001

International Conference on Mathematical Modelling, University of Roorkee, Roorkee, INDIA and presented a paper entitled 'Modelling of Non-Newtonian flow through Pipe Network'

29 Sep 2000 - 30 Sep 2000

Sixteenth National Convention of Mechanical Engineers, Institution of Engineers (India), Roorkee, INDIA

25 Jan 1998 - 25 Jan 1998

National Workshop on Formulation of AICTE Schemes for the Handicapped, Quality Improvement Programme Center, University of Roorkee, Roorkee INDIA.

9 Jan 1998 - 11 Jan 1998

Workshop on Emerging Ecological Challenges for Technologists, Center for Development of Eco-technology, University of Roorkee, Roorkee, INDIA

22 Feb 1997 - 24 Feb 1997

National Conference on Cost Effective Technical Education and Training of Handicapped, by Quality Improvement Programme Center, University of Roorkee, at Sri Jairam Ashram, Hardwar INDIA.

31 Jan 1997 - 2 Feb 1997

National Seminar on Emerging Trends in Design Engineering, Institution of Engineers (India), Allahabad, INDIA and presented a paper entitled 'New Friction Factor Correlations for Hydraulically Smooth Pipe'

16 Dec 1996 - 18 Dec 1996

25 Feb 1994 - 27 Feb 1994	<i>National Conference on Mathematics & its Applications in Engineering and Industry</i> , University of Roorkee, Roorkee, INDIA and presented a paper entitled 'Mathematical Analysis of Correlations for Pipe Flow Friction Factor'
30 Oct 1992 - 31 Oct 1992	<i>Second Asia Pacific Sym. on Ferrocement</i> , University of Roorkee, Roorkee, INDIA and presented a paper entitled 'Fuzzy logic Based Evaluation of Ferrocement Folded plate Umbrella'
11 Jan 1991	<i>Eighth National Convention of Environmental Engineering</i> , Institution of Engineers (I), Allahabad, UP, India organized and attended being member of Executive Committee. <i>Workshop on the Role of Institute Industry Interaction on National Industrial Growth</i> , M.N. Regional Engineering College, Allahabad, UP, India

Administrative Experience – 27 years

Institute Level

Current	Head, Department of Applied Mechanics (w.e.f. 18 Aug. 2013) Member, Advisory Committee for Faculty Recruitment (ACoFaR) Member, Central Purchase Committee Member, Senate, MNNIT Allahabad.
Past	Dean (Research & Consultancy) President, StudentActivityCenter Chaired various Selection Committees for Research Fellows Officer-in-Charge, UG Studies Officer-in-Charge, Institute Time Table Coordinator, Physical Education Course Officer-in-Charge, NCC Officer-in-Charge, NSS Officer-in-Charge, Various Student Club Activities Member, Committee for Office Automation Member, Committee for Preparing MNNIT Ordinances Member, Committee for Preparing Vision document of MNNIT Member, Institute Industry Interaction Cell Member, Core Committee, TEQIP Member, Convocation Committee

Department Level

Current	Chairperson, Departmental Purchase Committee Chairperson, Department Doctoral Programme Committee (DDPC) Chairperson, Department Masters Programme Committee (DMPC) Chairperson, Department Under Graduate Committee (DUGC)
Past	Officer-in-Charge, Computer lab Convener, DPGC Convener, DUGC Coordinator, TEQIP Officer-in-Charge, Infrastructure Officer-in-Charge, Strength of Materials Lab Officer-in-Charge, Material Science lab Officer-in-Charge, NonDestructive Testing Lab Officer-in-Charge, Experimental Stress Analysis Lab Officer-in-Charge, Time table

“Other Information”

S No.	Heading	Details
1	Name	Anuj Jain
2	Employee ID	87001
3	Date of joining(Continuous)	9 Jan 1987
9	Salary Type (Pay Scale / Consolidated)	67240

➤ **Achievements:**

The Memorandum of understanding (**MOU**) signed between Motilal Nehru National Institute of Technology (MNNIT), Allahabad and Bharat Pump and Compressors Limited (BPC), Naini Allahabad on 16th November 2012.

➤ **Lecture organized:**

Sl. no.	Expert Name	Organization	Lecturer title	Month & year
1	Prof. Rakesh Mishra	University of Huddersfield, UK.	New Frontiers in Computational Fluid Dynamics	05 Aug, 2013