

CURRICULUM VITAE



Dr. Mohammad Arif

Associate Professor, Mechanical Engineering

Address for correspondence

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Academic Performance:

1. **Ph.D.** (Mechanical Engineering) from Jamia Millia Islamia, New Delhi, India in January 2011.
 - **Ph.D. Topic:** Total Life Cycle Analysis of Renewable Energy System: Energy and Environmental Aspects.
 - Advisor 1: Prof. M. Emran Khan (JMI, Delhi)
 - Advisor 2: Prof. Avinash Chandra (IIT, Delhi)
2. **M.Tech.** (Thermal Engineering) from Department of Mechanical Engg., Indian Institute of Technology (IIT) Delhi in 1997.
3. **B.Sc. Engineering** (Mechanical Engg.) from Jamia Millia Islamia, New Delhi, in 1990 with First Division.
4. **S.S.C. (10+2)** Science Subjects from J.M.I., New Delhi in 1986 secured 77% marks with Distinction.
5. **High School (10th)** from U.P. Board (Allahabad) in 1984 secured 74.5% marks with Distn.

Teaching Experience: 32 years

Employment Profile:

S.No.	Designation	Institution/University	Duration
1.	Associate Professor	Jamia Millia Islamia New Delhi	2009 till date
2.	Assistant Professor	Jamia Millia Islamia New Delhi	2006-2009
3.	Senior Lecturer	Jamia Millia Islamia New Delhi	2000-2006
4.	Lecturer	Jamia Millia Islamia New Delhi	1995-2000
5.	Lecturer (Adhoc)	Jamia Millia Islamia New Delhi	Oct.1991-July1995

Conferences/Seminars Attended:

- Presented a paper in an International conference on Competitiveness & Innovativeness in Engineering, Management & Information Technology (“ICCIEMI-2012”) organized by Euro Asia Research and Development Association (EARDA), January 29, 2012.
- Participated workshop cum seminar on Indian Energy Scenario & Energy Security organized by Centre for Energy Studies, IIT, Delhi, January 22, 2008.
- Presented a paper in an International conference on Advances in Energy Research (ICAER-2007) organised by Department of Energy Science and Engineering, IIT, Bombay, Mumbai, December 12-14, 2007.
- Presented a paper in an International conference on Solar Radiation and Day Lighting, (SOLARIS 2007) organized by Centre for Energy Studies, IIT, Delhi, February 7-9, 2007.
- Attended National Conference on Advance in Mechanical Engg. (AIME-2006), organized by Department of Mechanical Engg., Jamia Millia Islamia, Jan. 20-21, 2006.
- Attended International conference on Energy & Environment (ICEE), organized by Mechanical Engg. Deptt. Jamia Millia Islamia, Jan. 23-24, 2004.
- Attended Fourth Annual Conference on Indian Society of Industrial and Applied Mathematics (ISIAM) conducted by Department of Mathematics, Jamia Millia Islamia, New Delhi, April 6-8, 1996.

Short Term Courses/Schools Attended:

- Participated in three days Online Proficiency Improvement Programme (OPIP) on "Brake System Design & Safe T" organised by The Automotive Research Association of India (ARAI), Pune, June 22-24, 2020.
- Participated in six days Online Proficiency Improvement Programme (OPIP) on “Design & Analysis of ATV using ANSYS Software” jointly organized by The Automotive Research Association of India (ARAI), Pune & ANSYS Software Pvt Ltd, Pune, 30th May to 20th June 2020.
- Attended one day webinar on “Academic Publishing & Enhancing Research Effectiveness” organized by Dr. Zakir Husain Library, Jamia Millia Islamia, New Delhi, June 9, 2020.
- Participated short term course on ANSYS CFD conducted at Jamia Millia Islamia, New Delhi, March 21-22, 2016.
- Attended short term course on Utilization of Solar Energy and its Applications organized by Centre for Energy Studies, IIT, Delhi, Feb. 8-22, 2008.

- Attended short term course on Artificial Intelligence-Virtual Instrumentation conducted by Department of Electronics & Communication Engineering, Aditya Institute of Technology, Vasant Kunj, New Delhi, March 26-30, 2007.
- Hazardous Waste Management” held between March 19 to March 23, 2007, organised by University Polytechnic, JMI.
- Heat Ventilation & Air-Conditioning (HVAC)” from 6th June 2005 to 10th June, 2005, organised by NITTR, Chandigarh.
- Computer Aided Learning in Engineering & Technology (CALET)” from March 16, 2005 to March 30, 2005 held in University Polytechnic, JMI.
- PC Servicing & Networking” held during 20th Dec. to 31st Dec. 2004 in University Polytechnic, JMI.
- Combustion Generated Pollution” held during 18th March 2004 to 29th March-2004.Organized by Mechanical Engg. Deptt. JMI.
- Computer Aided Learning in Mechanical Engg. (CALME)” held during Feb.16, 2004 to Feb. 27, 2004. Organized by University Polytechnic, JMI.
- Four weeks UGC Sponsored Orientation Programme at Academic Staff College, Jamia Millia Islamia, New Delhi from 7th July to 3rd August 2000.
- Attended refresher course on Computer in Engineering Education organised by Centre for Information Technology, Jamia Millia Islamia, New Delhi from 17th December, 1999 to 6th January, 2000.

Major Subjects Taught:

1. Automobile Engg.
2. Machine Dynamics
3. Applied Mechanics
4. Fluid Mechanics
5. Mechanics of Materials
6. Solid Mechanics
7. Refrigeration and Air-Conditioning
8. General Mechanical Engineering

Lab Handled:

- Automobile Engineering Laboratory
- Basic Mechanical Engineering Lab.
- Thermal Engineering Laboratory
- Solid Mechanics Laboratory

Project guided at Undergraduate Level: More than 26

Academic/Administrative Responsibilities :

1. Actively participated in Revision of Syllabi of following Mechanical Courses:
 - a) Automobile Engg.
 - b) General Mechanical Engg.
 - c) Machine Dynamics
2. Developed Automobile Engg. Lab. & General Mechanical Engg. Laboratory and Setting of Experiments.
3. Prepared lab manual of Automobile Engineering laboratory.

4. Organizing Member of 2-week STTP on “Computer aided learning in Mechanical Engg.”
5. Superintendent of B Tech Entrance Exam, JMI, 1995, 2007, 2008, 2009, 2010, 2011.
6. Worked as Coordinator of Mechanical Engg. since 2007-2009.
7. Appointed Tabulator for the year 2010.
8. Observer, Entrance Exams for the year 2020, JMI

Membership of Technical Organizations:

- Life member of Indian society of Technical Education, New Delhi (ISTE) No. (LM-36352)

LIST OF PUBLICATIONS:

International/National Journals (6):

1. **Mohammad Arif.** “Life Cycle Analysis and Carbon Credit Earned by Solar Water Heating System.” International Journal of Research in Engineering & Applied Science (IJREAS):2012; 2(2):1884-1905.
2. **Mohammad Arif.** “Energy Analysis and Carbon Credit Earned by Biogas System”. International Journal of Research in Engineering & Applied Science (IJREAS):2012; 2(2): 999-1010.
3. **Mohd. Arif** and M. Emran Khan. “Life Cycle Analysis and Carbon Credit Earned by Wind Energy Converter”. International Journal of Environmental Science Development & Monitoring (IJESDM). 2010; 1(1):41-57.
4. **Mohd. Arif** and M. Emran Khan. “Design and life cycle cost analysis of a SAPV system to electrify a Rural Area Household in India”. International Journal of Environmental Sciences. 2010; 5(1): 101-106.
5. **Mohd. Arif**, A. Chandra and M. Emran Khan. “Energy analysis and carbon credit earned by solar cooker”. International Journal of Environmental Sciences 2010; 5(1), 147-154.
6. **Mohammad Arif** and Avinash Chandra. “Energy, Environment and Economic Analysis of Biogas System”. International Research Journal of Material Sciences.2008; 5(2): 251-256.

International Conferences (3):

1. **Mohd. Arif**, J.A. Usmani and A. Chandra. “Energy Analysis of Biogas System”. Proceeding of 1st International Conference on Advances in Energy Research, (ICAER 2007), Proceeding of 1st International Conference on pp 51-55. 12-14 December, 2007, IIT, Bombay.
2. **Mohd. Arif**, Jamshed Ahmad Usmani and Avinash Chandra. “Energy Pay Back Time and Environmental Advantages of Commercial Type Plant”. Proceeding of 3rd International Conference on Solar Radiation and Day Lighting, (SOLARIS 2007), pp 535-539, 7-9 February 2007, IIT, Delhi.
3. **Mohd. Arif**, Jamshed A. Usmani and Avinash Chandra. “Life Cycle Analysis of Biogas System”. Proceeding of the 2nd International Conference on Sustainable Energy and Environment (SEE 2006), 21-23 November 2006, Bangkok, Thailand.E-082 (O).

National Conferences (1):

4. Shah Alam and **Mohd. Arif**. “Thermal Performance of Grooved Configuration Solar Air Heater”, National Conference on Advances in Heat Transfer and Fluid Dynamics, 16-17 September, 2006, Aligarh, pp 394-399.

Computer Literacy:

- OPERATING SYSTEM : MS-Windows,
: MS-Office: Word, Excel and Power Point, Internet
- PACKAGE KNOWN : MATLAB-R12

Personal information

Father's name: (Late) Mr. Qamaruddin
Date of Birth: 3rd June, 1969
Languages known: English, Hindi, Urdu
Nationality: Indian
Marital status: Married

Date: August, 2023
Place: New Delhi

(Dr. Mohammad Arif)