CURRICULUM VITAE

Dr. MOHAMMAD NADEEM KHAN
B.Sc Engg, M. E (Thermal), Ph.D.
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Presently I am working as Assistant Professor in Department of Mechanical Engineering, Majmaah University, Kingdom of Saudi Arabia since from august 2013.

TECHNICAL QULIFICATIONS

- **Ph.D.** - (Thermal Engineering- Fluid Flow & Heat Transfer) from Jamia Millia Islamia, New-Delhi in the year 2012.

- **M.E**. (Thermal Engineering) from Delhi College of Engineering Delhi, in the year 2006 with Ist division.

- **B.Sc Engg.** (Mechanical) from Aligarh Muslim University, Aligarh in the year 1998 with Ist Division.

THESIS/ DISSERTATION/PROJECT TITLE

Ph.D.: Analytical and Experimental Studies of Fluid Flow and Heat Transfer in Microchannels

M.E : Optimizing the Power Output of Combined Cycle Power Plant.

B.E : Design and Fabrication of water Tube Heat Exchanger

PAPERS PUBLISHED/ACCEPTED

A.   INTERNATIONAL JOURNAL/ INTERNATIONAL CONFERENCE

1. A.M. Alklaibi, M.N. Khan, W.A. Khan, "Thermodynamic analysis of gas turbine with air bottoming cycle", Energy (Elsevier), 107 (2016) 603-611.

2. M. N. Khan. I. Tlili , W. A. Khan "Thermodynamic Optimization of New Combined Gas/Steam Power Cycles with HRSG and Heat Exchanger" Arab journal of science & engineering (Springer), April 2017

1. M.N.Khan and sonal nayak "Parametric analysis of regenerative air bottoming combined cycle power plant" Elixir Thermal Engg. 54, 2013, pp. 12369-12372.

2. Mohd Nadeem khan, "Effects of Specific Heat Ratio & Cut-off Ratio on the Performance of an Irreversible Dual Cycle" Trends in Mechanical Engineering & Technology, Volume 2, Issue 1, April 2012.

3. K.P.Tyagi, M.N.Khan, "Variation of Pinch Point, Stack Temperature on the Efficiency of Combined Cycle Gas-Steam Power Plant" International Journal of Theoretical and Applied Mechanics. Volume 7, Number 1 pp. 1-8, 2012.

4. Mohd Nadeem khan, Mohd Islam, M.M.Hasan, "Experimental Approach to study Friction Factor and Temperature Profiles of fluid flow in circular microchannels" Journal of Mechanical Engineering Research, Vol. 3(06), pp.209-217, June 2011.

5. Mohd Nadeem khan, Mohd Islam, M.M.Hasan, "Experimental Investigation of Fluid Flow and Heat Transfer in Circular Microchannels" International Review of Mechanical Engineering, Vol.5, No. 6, September 2011, pp. 1144-1151.

6. Mohd Nadeem khan "Effect of Compression Ratio, Peak Temperature of the cycle and Specific heat of working fluid on the Performance of Diesel Cycle." International Journal of Applied Mechanics and Engineering, Vol. 16, Number 1, 271-276, 2011.

7. K.P.Tyagi, M.N.Khan, R.S.Prasad, "Alternative Equations for Predicting the Performance of Gas Turbine Cycle under Different Configurations" International Journal of Industrial Engineering & Technology, Vol. 2, Number 3a, pp. 291-300, 2010.

8. Mohd Nadeem khan, Mohd Islam, M.M.Hasan, "Alternative Approach for predicting Average Nusselt Number for Fully Developed Flow in Circular Microchannels", International Journal of Engineering, Science and Technology, Vol. 2(8), pp.3557-3560, 2010.

9. Mohd Nadeem Khan, "Alternative Approach for predicting the performance of irreversible Otto Cycle" International Journal of Engineering, Science and Technology. Vo.2 (6), pp 1860-1866, 2010.

10. K.P.Tyagi, M.N.Khan, R.S.Prasad, "Generalize Equations for Predicting the Performance of Gas Turbine Cycle" International journal of Theoretical and Applied Mechanics Vol. 5, Number 2 , pp. 171–176, 2010.

11. Mohd Nadeem khan, Mohd Islam, M.M.Hasan "Analytical Approach to examine Fluid Flow and Heat Transfer through Microchannels" International Journal of Mechanical and Automobile Engineering, vol.5, No. 7, 2009, pp. 22-28.

12. Mohd Nadeem khan, Mohd Islam, M.M.Hasan "Factors Responsible for Discrepancies between Theoretical and Experimental results of Fluid Flow and Heat Transfer through Microchannels." International journal of Applied Engineering Research, vol. 04, Number 12, pp 2629-2640, 2009.

B.   NATIONAL JOURNAL/ NATIONAL CONFERENCE

1. Mohd Nadeem khan, Mohd Islam, M.M.Hasan "Brief Review of Fluid Flow and Heat Transfer through Microchannels" National Conference on Advances in Mechanical Engineering (NCAME 2009) February 28th and March 1st 2009 Department of Mechanical Engineering Moradabad Institute of Technology, Moradabad.

2. Mohd Nadeem khan, Mohd Islam, M.M.Hasan "Theoretical Investigation of Fluid Flow and Heat Transfer in Microchannels" National Conference on Advances in Mechanical Engineering (AME09) 30th –31st March 2009. Department of Mechanical Engineering, Don Bosco Institute of Technology, Bangalore.

3. Mohd Nadeem khan, M.M.Hasan " Optimizing the Power Output of Air Bottoming Cycle" National Conference on Recent Drifts, Breaks in Applied Sciences & its Technology for Innovation Management, 7th – 9th August 2009, at Krishna Institute of Technology, Ghaziabad.

WORKING EXPERIENCE (17 Years Teaching Experience)

- Worked as Professor in K.I.E.T Ghaziabad from 1st September, 2012 to July 2013.

- Worked on the post of Associate Professor in K.I.E.T Ghaziabad from 1st September, 2009 to 31st August 2012.

- Worked on the post of Assistance Professor in K.I.E.T Ghaziabad from 1st August 2008 to 31st August, 2009.

- Worked as Assistant Professor in Mechanical Engineering Department in Greater Noida Institute of Technology, Greater Noida from 01 August, 2007 to July 31, 2008.

- Worked as Assistant Professor in Mechanical Engineering Department in Skyline Institute of Engineering & Technology, Greater Noida from 10 February 2006 to July 31, 2007.

- Worked as a Lecturer and promoted as Sr. Lecturer in Mechanical Engineering Department in Raj Kumar Goel Institute of Technology, Ghaziabad. I joined on 1st August, 2000 and left the Institute on 31st January, 2006.

- Worked as Lecturer (adhoc) in Mechanical Engineering Department in Azad Institute of Technology, Lucknow from 1st December, 1998 to 30th July, 2000.

ADMINISTRATIVE EXPERIENCE

- **Addl. Dean (Industrial Research & Development)** at Krishna Institute of Technology, Ghaziabad w.e.f. Dec. 2009.

- **Convener**- Cultural Committee in Raj Kumar Goel Institute of Technology, Ghaziabad.

- **Coordinator**- (May2001-June 03) in Mechanical Engineering department in Raj Kumar Goel Institute of Technology, Ghaziabad.

- I am also departmental **Time-Table Incharge**.

- **Project Coordinator** of Mechanical Engineering Deptt. in GNIT Greater Noida.

- **Project Coordinator** of Mechanical Engineering Dept. Krishna Institute of Technology, Ghaziabad.

- **In-charge of Anti Ragging Committee** at KIET Ghaziabad.

- **Class consular** of Second year Mechanical Engineering.

OTHER RESEARCH AND ACADEMIC ACTIVITIES

- Visiting Faculty of University of Petroleum & Energy Studies, Dehradun in the Lateral Entry B.Sc (Aircraft Maintenance) course for AME.

- Guiding M.Tech. Students for their Thesis work in the area of Thermal Engineering.
- Member of Flying Squared in UPTU Examinations.

- External Examiner of several UPTU Practical Examinations.

ESTABLISHMENT OF LABORATORY

- Fluid Mechanics and Fluid Machinery Lab in AZAD Institute of technology, Lucknow.

- Mechanical Engineering and workshop in Raj Kumar Goel Institute of Technology, Ghaziabad.

- Fluid Mechanics and Fluid Machinery Lab in Raj Kumar Goel Institute of Technology, Ghaziabad.

- Automobile lab in Greater Noida Institute of Technology, Greater Noida.

COURSE ATTENDED

- Short Term course on **Computational Fluid Dynamics** at IIT Roorkee from 6th July 2009 to 10th July 2009.

- International Training on "**Introduction to Practical Pneumatics (SMCTP1)**" at SMC Pneumatics (India) Pvt. Ltd. from 5th January 2009 to 7th January 2009.

- Short Term Training Programme on "**Bearing Technology & Maintenance**" at IIT Roorkee from 3rd December 2009 to 6th December 2009.

- Workshop on "**High Impact Teaching Skills**" organized by Dale Carnegie & Association, Inc. Trainer and Wipro from 14th & 15th Dec. 2009.

- Short Term course on **Tool & Techniques of Computational Fluid Dynamics** at IIT Roorkee from 28th June 2010 to 2nd July 2010.

- Workshop on "Intellectual Property Right & Copy Right" at KIET, Ghaziabad on 30th October 2010.

- Short Term course on **Advances in Thermo-Fluids Engineering: From Modeling to Experimentation** at IIT Roorkee from 2nd July 2012 to 6th July 2012.

Conferences & Faculty Development Programme Organized

- Work as Convener in One day national workshop on Advances in Material (NWAM-2011) on 5th November 2011 at KIET Ghaziabad.
- Work as Convener in International conference on Innovative Technologies in Mechanical engineering (ITME-2012) on 24th &25th August 2012 at KIET Ghaziabad.

MEMBERSHIP OF PROFESSIONAL SOCIETIES

- Life Member of Indian Society for Technical Education (ISTE).
- Life Member of institute of Engineers (India). (LMIE)
- Life Member of Solar energy society of India. (LMSESI)
- Life Member of Indian Thermal Analysis society. (LMITAS)

COMPUTER PROFICIENCY

- Application Package: Microsoft excel
- Operating System: Window's 2000
- Software: Pro-E (version 2000), Mathemathica 5.1, Graphis, EES, MAPPLE

REFERENCES

1. Prof. Waqar Ahmad Khan   Professor
   Mechanical Engg. Dept.
   Majmaah University, Majmaah KSA
   Email: wkhan1956@gmail.com
   Ph. No. : 966537888039

2. Dr KLA Khan   Professor
   Mechanical Engg. Dept.
   KIET, Ghaziabad
   Email: klakhan1@rediffmail.com
   Ph. No. : 919711178650

3. Dr. Waseem Khan   Assistant Professor
   Mechanical Engg. Dept.
   Majmaah University, Majmaah KSA
   Email: w.sabirkhan@mu.edu.sa
   Ph. No. : 966508433162

4. Prof. M.M.Hasan

Professor
Mechanical Engg. Dept.
Jamia Millia Islamia, N.Delhi
Email: mmhasan@jmi.ac.in
Ph. No. : 919891743051

5. Prof. B.B.Arora

Professor
Mechanical Engg. Dept.
Delhi Technological University
Email: arorabb@gmail.com
Ph. No. : 919891421025

PERSONAL DETAILS

Date of birth:	10th October 1975	**Nationality:**	India
Passport No.	M4545935	**Expiry Date:**	05/01/2025
Marital Status:	Married		

Father's Name: Mr. Abdul Mushir Khan (Retired Senior Scientist, Micro-Biology Department A.M.U. Aligarh)

(Dr. Mohammad Nadeem Khan)