

## **Professional C.V**

### **Moinuddin Mohammed Yusuf**

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#### **Educational Qualifications**

- ⇒ **M.Sc.** Mechanical Engineering Passed with first with Distinction class in the year 1998.
- ⇒ **B.Sc.** Mechanical Engineering passed with first class in the year 1989.
- ⇒ **P.G.** Diploma in Computer Application in the year 2000.

#### **Achievement**

- ⇒ University Distinction in Master of Engineering

#### **Professional Experience**

- ⇒ 18 years of teaching experience at College of Engineering as a Senior Lecturer (Mechanical) India.
- ⇒ 11 years of Research experience in a research center as a Mechanical Engineer at Center of Advance Materials, Qatar university-Qatar

#### **Organizational Experience:**

**Presently working as a Mechanical Engineer at Center of Advanced Materials, Office of Research, Qatar University. Doha-Qatar.**

**Job Profile: Mechanical Engineer**

**Jan.2009 to Till Date**

I am a part of Center of Advanced Materials, Office of VP for Research, Qatar University, responsible for mechanical testing of materials, Failure Analysis of engineering materials, successfully conducting training Course in Gas Turbine Basics and Gas Turbine Operation & maintenance to the local industry employees, Coordinate with people involved in the research project, managing customer communication, and status reporting. Working as quality coordinator for ISO 17025 Accreditation of the department. Also working as Head of CAM-ISO Committee.

⇒ **Department :** **Center of Advanced Materials, Qatar University, Doha-Qatar**

#### **Roles & Responsibilities:**

- ⇒ Failure Analysis of failed parts from local industry and other organizations
- ⇒ Preparation of failure analysis reports.
- ⇒ Working on universal tensile testing machine. Tension, Compression, Bending along with Heating Chamber (-70 to 300°C).
- ⇒ Conducting hardness test on failed parts from industries on Indentec & Clark Universal hardness testing machine
- ⇒ Conducting Test on Micro Vicker Hardness test -FM-ARS9000.
- ⇒ Working on impact testing machine.
- ⇒ Conducting Test on Dynamic Mechanical Analyzer (DMA)-Tension, Compression, Bending geometry.
- ⇒ Conducting test for chemical analysis of materials on optical emission spectrometry.
- ⇒ Working as Auditee for mechanical Testing of metals and alloys for ISO 17025, A2LA Accreditation.

- ⇒ Conducting successfully Training courses on Gas Turbine Basics to the local industry employees.
- ⇒ Working on friction/peel testing machine.
- ⇒ Working on Slow Strain Rate Testing Machine
- ⇒ Working on Atomic Force Microscope for Nano-Indentation analysis.
- ⇒ Calibration and maintenance of various mechanical testing machines.

**Highlights**

- ⇒ Successfully conducting yearly training courses on Gas turbine Basic & Gas turbine Operation & maintenance to the local industry employees.
- ⇒ Working as a auditee for mechanical testing program for ISO 17025 Accreditation by A2LA.
- ⇒ Working as head of CAM-ISO Committee.
- ⇒ Working as a quality coordinator for CAM- ISO Accreditation methods.
- ⇒ Successfully worked as a coordinator for NBA accreditation for engineering college in India.

**Job Profile: Senior Lecturer**

**Sept.2002 to Jan.2009**

**Worked as Senior Lecturer of mechanical engineering department in a reputed engineering college in India. Taught various mechanical engineering subjects.**

**Department: Guru Nanak Dev Engineering College, Bidar, Karnataka, India**

**Roles & Responsibilities:**

- ⇒ Taught Mechanical Engineering subjects such as Turbo Machines, Materials Science, Production Technology, Power plant engineering etc.
- ⇒ Worked as Lab in charge for fluid machinery lab, Materials testing lab, foundry and forging Lab.
- ⇒ Worked as National Board of Accreditation Coordinator New Delhi, India for NBA- Accreditation to the engineering college.
- ⇒ Conducted Mechanical testing lab for engineering students.
- ⇒ Guided engineering students for their final year project work.
- ⇒ Attended Seminars, Conference/workshop at different University/colleges

**Job Profile: Lecturer**

**Nov.1992 to Sept.2002**

**Worked as Lecturer of mechanical engineering department in a reputed Polytechnic college in India. Taught various mechanical engineering subjects.**

**Department: Guru Nanak Dev Polytechnic College, Bidar, Karnataka, India**

**Roles & Responsibilities:**

- ⇒ Taught Mechanical Engineering subjects such as Theory of Machines, Engineering Drawing, Production Technology, Machine Drawing etc.
- ⇒ Worked as Lab in charge for Materials testing lab, foundry and forging Lab.
- ⇒ Worked as Coordinator for various activities of the department.
- ⇒ Conducted Mechanical testing lab for the students.
- ⇒ Guided students for their project work.
- ⇒ Attended Seminars, Conference/workshop at different colleges.

**Worked as Lecturer of mechanical engineering department in a reputed engineering college in India. Taught various mechanical engineering subjects.**

**Department: Maharashtra Engineering College, Nilanga, Maharashtra, India**

**Roles & Responsibilities:**

- ⇒ Taught Mechanical Engineering subjects such as Theory of machines, Engineering Drawing, Production technology, Machine Drawing etc.
- ⇒ Worked as Lab in charge for Heat power engineering.
- ⇒ Worked as Coordinator for various activities of the department..
- ⇒ Conducted heat power engineering lab for engineering students.
- ⇒ Guided engineering students for their project work.
- ⇒ Attended Seminars, Conference/workshop at different university/colleges.

**Software Skills**

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- ⇒ Solid Edge V19
- ⇒ Computer Aided Machine Drawing (CAMD)
- ⇒ Computer aided Engineering Drawing.(CAED)

**Training Conducted**

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- ⇒ As a trainer conducted training course-1 on **Gas turbine Basics** to local industry employees from 07-11-2010 to 11-11-2010.
- ⇒ As a trainer conducted **Gas turbine operation & maintenance** training course-2 to the local industry employees from 21-03-2011 to 23-03-2011.
- ⇒ As a trainer conducted training course-3 on **Gas turbine Basics** to the local industry employees from 28-11-2011 to 30-11-2011.
- ⇒ As a trainer conducted Training course-4 on **Gas Turbine Basics** to the local industry employees from 06-01-2015 to 08-01-2015.

**Research and Publications**

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**Research Interest:** 1.Study on Composite coatings of Metallic Materials for corrosion prevention in oil and gas industries. (Corrosion & Coatings).  
2. Failure analysis & mechanical properties of metal & alloys.

**Publications:**

**1. Corrosion Behavior of Electrodeposited Ni-B Coatings Modified with SiO<sub>2</sub> Particles.** – by R. A. Shakoor,\* , Umesh S. Waware, Ramazan Kahraman,\* , Anton Popelka, Moinuddin M. Yusuf-Published: *Int. J. Electrochem. Sci.*, 12 (2017) 4384 – 4391, doi: 10.20964/2017.05.56

**2. Research Article-Synthesis and Performance Evaluation of Pulse Electrodeposited Ni-AlN Nanocomposite Coatings.** - by R. A Shakoor, Ramazan Kahraman, Paul Chukwuleke Okonkwo, Kamran Ali, Sivaprasad Valiyaveetil Narayana Menon, Abdullah Alashraf Abul Baker, Moinuddin Mohammed Yusuf –Published Date 24 Jan 2018: Wiley Hindawi, Hindawi Scanning, Volume 2018, Article ID 7187024, 13 pages, <https://doi.org/10.1155/2018/7187024>

**3. Article-Novel Electrodeposited Ni-B/Y2O3 composites coatings with improved properties"**

by R. A shakoor, Umesh Waware, Ramazan Kahraman, Anton Popelka, **Moinuddin Yusuf**, and Anwarul Hasan-Published:MDPI-Coatings2017,7,161;doi:10.3390/coatings7100161.

[www.mdpi.com/journal/coatings](http://www.mdpi.com/journal/coatings).

**4. Ni-B/Ni-P-CeO2 duplex coatings with improved hardness and anticorrosion properties.** by

**Moinuddin M. Yusuf**, A. Bahgat Radwan, R. A. Shakoor\*, Muhammad Awais, Aboubakr M. Abdullah, M. F. Montemor, Ramazan Kahraman.-Published: Journal of Applied Electrochemistry (JACH)"

**5. Improved properties of Al-Si3N4 nanocomposites fabricated through a microwave sintering and hot extrusion process.**

Penchal Reddy Matli, Fareeha Ubaid, Rana Abdul Shakoor, Gururaj Parande,b Vyasraj Manakari, **Moinuddin Yusuf**, Adel Mohamed Amer Mohamedc and Manoj Gupta-Published: Received 12th April 2017 Accepted 3rd July 2017 DOI: 10.1039/c7ra04148a. rsc.li/rsc-advances- Cite this: RSC Adv., 2017, 7, 34401.

**6. Enhancing thermal and mechanical response of aluminum using nanolength scale TiC ceramic reinforcement**-M. Penchal Reddy, M.A. Himyan, F. Ubaid, R.A. Shakoor, M. Vyasraj,

P. Gururaj, **M. Yusuf**, A.M.A. Mohamed, M. Gupta- Published :Ceramics International 44(2018)9247-9254, journal homepage: [www.elsevier.com/locate/ceramint](http://www.elsevier.com/locate/ceramint).

**7. International Paper "Fabrication and Mechanical Properties of Extruded Al-SiC Nano-**

**Composites"**-by Matli Penchal Reddy, Fareeha Ubaid, Rana Abdul Shakoor, **Moinuddin Yusuf**, Adel Mohamed Amer Mohamed and Manoj Gupta-2017 5th International Conference on Nano and Materials Science (ICNMS 2017).ID: ICNMS2017-267.San Diego, USA | January 19-21, 2017.

**8.EffectofInconel625particlesonthemicrostructural,mechanical,andt hermalpropertiesofAl-Inconel625composites** ManoharReddyMattli,1,AdnanKhan,1,PenchalReddyMatli,**MoinuddinYusuf**,

A.Al- Ashraf, R.A.Shakoor,\* ManojGupta

<https://doi.org/10.1016/j.mtcomm.2020.101564> Received21March2020;

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journal homepage: [www.elsevier.com/locate/mtcomm](http://www.elsevier.com/locate/mtcomm)

**9. Article Structural and Mechanical Properties of Al-SiC-ZrO2 Nanocomposites Fabricated by Microwave Sintering Technique**

Adnan Khan,†, Motasem W. Abdelrazeq ,†, Manohar Reddy Mattli , **Moinuddin M. Yusuf** , Abdullah Alashraf , Penchal Reddy Matli and R. A. Shakoor ,\*

Received: 4 September 2020; Accepted: 4 October 2020; Published: 6 October 2020.

Crystals 2020, 10, 904; doi:10.3390/cryst10100904. [www.mdpi.com/journal/crystals](http://www.mdpi.com/journal/crystals)

**Professional Membership:**

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Indian Society for Technical Education (ISTE)-New Delhi-India, Life Membership No. LM25449.

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