RESUME

Muhammad Haseeb Hassan

Metallurgy & Materials Engineer

Contact

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University of the Punjab,
Lahore, Pakistan

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haseebshamsi5

Additional

Date of Birth
09th September, 1987

Marital Status
Married

Interests
Traveling
Reading

Languages

English
Urdu
Deutsch

ABOUT ME

Muhammad Haseeb Hassan is an enthusiastic, motivated and professional Materials Engineer with Masters in Business Administration, who always seeks to explore new methods/ways for improvement in the field of Materials Science and Engineering. He owns excellent interpersonal skills and can communicate concisely at all levels.

Currently, Mr. Hassan is working as Lecturer at the Department of Metallurgy and Materials Engineering, Faculty of Engineering and Technology, University of the Punjab, Lahore, Pakistan. Apart from his research and administrative experience in Institute of Quality and Technology Management, he has been working as Assistant Manager in Millat Equipment Limited which is one of the largest power transmission components manufacturing company in Pakistan.

ACADEMICS

Bachelor of Science in Metallurgy and Materials Engineering *(2009)*

(College of Engineering & Emerging Technologies, University of the Punjab, Lahore, Pakistan)

Major course work includes Testing of Materials, Heat Treatment and Physical Metallurgy, Corrosion & its Control, Polymers & Ceramics, Ferrous & non-ferrous Materials, Casting of Metals, Welding of Metals, Thermodynamics and Kinetics.

Research Title:
Effect of various substrate roughnesses upon Adhesion Strength of WC-11%Co Flame Spray coating

Thesis Grade: Very Good

Master of Science in Quality, Safety and Environment *(2012)*

(Faculty of Process & System Engineering, Otto von Guericke University, Magdeburg, Germany)

Major courses include product quality in chemical industry, safety management in major industries, Modelling and simulation in industrial safety, safety aspects of chemical reactions, safety aspects of transportation and storage of bulk materials

Research Title:
Quantification of probability of health effects due to an exposure to nano-materials

Supervisor: Prof. Dr. –Ing. Habil. Ulrich Krause

Thesis Grade: Good

Muhammad Haseeb Hassan

Certificates

IELTS 7.0 Band

Gemba Kaizen (AOTS, Japan)

TRIZ (HMS, USA)

ISO EMS 14001:2004

IRCA Lead Auditor OHSAS 18001:2007 (UK)

ISO 21001 Certified EOMS Professional (USA)

Research Methodologies & Techniques (NCRD)

Solid Waste Management (NCRD)

Awards & Honor

Research position in 6th Invention to Innovation Summit

Key note Speaker on World Safety Day, 2016 at CIWCE

Skills

MS Office
Effective Team Player
Research Ethics
Comprehension & Report writing skills

Memberships

– Member Pakistan Engineering Council
– Graduate Member IOSH, UK
– Member ACerS, USA
– Member AIST, USA
– Member TMS, USA
– Member ASM, USA

WORK EXPERIENCE

- **Lecturer** ***(March 2018 – date)***

Department of Metallurgy & Materials Engineering, University of the Punjab, Pakistan

- **Research Officer** ***(Nov 2014 - March 2018)***

Institute of Quality & Technology Management, University of the Punjab, Pakistan

- **Assistant Director QEC** ***(June 2013 – Nov 2014)***

Superior Group, Lahore, Pakistan

- **Assistant Manager – Tech.** ***(Feb 2010 - Oct 2011)***

Millat Equipment Limited, Lahore, Pakistan

RESEARCH ACTIVITIES

- Inam, M.A. Hafeez, M. Atif, M. Ishtiaq, **M.H. Hassan**, T. Hussain, M.S. Mughal, M.A. Raza, M.A.Q. Abbas, I. Ullah. 2020. Microstructural, mechanical, and electrochemical properties of quenched and partitioned 3 wt% Mn steel, Arabian Journal for Science and Engineering. **IF 1.711**
- Inam, M.A. Raza, M.A. Hafeez, S.B. Shah, M. Ishtiaq, **M.H. Hassan**, M. Irfan,A. Nasik, I. Siddique, O. Butt, A. Maqbool, H. Waseem. 2020. Effect of voltage and spray–off distance of electric-arc spray technique on surface properties of nickel–chrome (Ni–Cr) coating developed on 304L stainless steel, Materials Research Express. Vol. 7, No. **IF 1.449** 1
- Inam,Y.Imtiaz, M.A. Hafeez, S. Munir, Z. Ali, M. Ishtiaq, **M.H. Hassan**, A. Maqbool, W. Haider. 2019. Effect of tempering time on microstructure, mechanical, and electrochemical properties of quenched–partitioned–tempered Advanced High Strength Steel (AHSS), Materials Research Express.Vol. 6, No. 12. **IF 1.449**
- **M.H. Hassan**, A. Inam, M. Ishtiaq, M.U. Shahid, M. Irfan. 2017. Effect of Surface Profile of Mild Steel Substrate upon Adhesion Strength of Wc-11%Co Flame Spray Coating, Journal of Faculty of Engineering and Technology. 24(2)
- Inam, M. Ishtiaq, M.A. Hafeez, M. Nawaz, M. Rizwan, **M.H. Hassan**. Quenching and partitioning of AISI 4340 steel, Journal of Faculty of Engineering and Technology, Volume 24(1): 47-56

RESEARCH INTEREST

– Mechanical properties and behavior of AHSS alloy steels by Quenching and Partitioning technique for automotive industry
– Surface Engineering and Characterization of coatings by Scanning Electron Microscope (SEM), Energy Dispersive X-ray Spectroscopy (EDS), X-ray Diffraction (XRD), Fourier Transform Infrared Spectroscopy (FTIR)
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INTERNATIONAL CONFERENCES & EVENTS

– MS&T, 2018, Columbus, Ohio, USA
– MS&T, 2016, Salt Lake City, Utah, USA
– International Conference on Science and Engineering 2015, University of the Punjab
– 6th Invention to Innovation Summit 2017, ORIC, University of the Punjab
– 5th Integ Risk Conference 2013, Stuttgart, Germany