

# Engr. Dr.Prof. SYED ATHAR MASOOD



## **PERSONAL HISTORY:**

Name: <b>Engr Dr. SYED ATHAR MASOOD</b>		Father's Name: Mr SYED MEHBOOB HASAN	
Nationality: By Birth: PAKISTANI..... Present: ...PAKISTANI..... National ID Card No. 61101-1930100-3... .		Marital Status: ...MARRIED..... Medical Category: ...A..... Religion: ...ISLAM.....	
Date of Birth : 13-06-1967.....		Place of Birth: ....KARACHI	
PEC Registration No. .... <b>9847/MECH</b> .....			

## ACADEMICS

<b>Qualification (Year)</b>	<b>Field of Specialization</b>	<b>University</b>
PhD (2007)	Mechanical / Manufacturing Engineering	Loughborough University, UK
MSc (2001)	Mechanical Engineering	UET, TAXILA
BE (1991)	Mechanical Engineering	NED University, Karachi
HSSC	Pre-Engineering	Hyderabad Board (Cadet College Petaro)
SSC	Science	Hyderabad Board (Cadet College Petaro)

## TEACHING / PROFESSIONAL EXPERIENCE

	<i>Post/Appointment</i>	<i>University/ Organization</i>
2022-	Professor/Incharge- Academics (Faculty of Engineering & Technology)	International Islamic University, Islamabad
2014- 2022	Associate Professor/Chairman (Department of Mechanical Engineering)/Incharge Academics (Faculty of Engineering)	International Islamic University, Islamabad
2008-2010	Assistant Professor, Engineering Management	NUST College of E&ME, Islamabad.
2007-2008	HOD( Mechanical Engineering Department)	HITEC University, Taxila
2007-2010	Assistant Professor  (Visiting)	UET Taxila
2010-2014	Works Manager/DAD (QA)	HIT Taxila Cantt./ Technical Directorate
1994-2010	Assistant Works Manager/ OIC TDP	HIT Taxila Cantt./ APC Factory
1992-1994	Maintenance Engineer	Usman Textile, Karachi

## Academic awards/Merit scholarship/Memberships

- **Donald Julius Prize (2006)** for the Best Research Paper of the year by IMechE, UK
- **Best Reviewer's Award (2022)** , HEC-Coventry University, UK
- **Best Design Project Awards (2023)**, HEC-Coventry University, UK
- Associate Member, Institute of Mechanical Engineers UK
- Ministry of Education Fully funded scholarship for MS and PhD
- Life Member Pakistan Engineering Council

## Research Publications

1. **S A Masood**, S S Dani, N D Burns, C J Backhouse (2006). Transformational leadership and organizational culture: the situational strength perspective. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture.
2. Irfan Ahmad Gondal, **Syed Athar Masood**, Muhammad Amjad (2017). Review of geothermal energy development efforts in Pakistan and way forward. Renewable and Sustainable Energy Reviews. Pergamon.
3. Irfan Ahmad Gondal, **Syed Athar Masood**, RafiUllah Khan (2018). Green hydrogen production potential for developing a hydrogen economy in Pakistan. Elsevier International Journal of Hydrogen Energy Vol. 4 3 pp. 6011-6039
4. Irfan Ahmad Gondal, **Syed Athar Masood (2019)**. Synergies in offshore wind and oil industry for carbon capture and utilization. Journal of Green House Gases.
5. Irfan Ahmad Gondal, **Syed Athar Masood, M Khurram (2019)**. Role of passive design and alternative energy in building energy optimization. Journal of Indoor and Built Environment.
6. **Syed Athar Masood**, Mirza Jahanzaib, Khalid Akhtar (2013). Key performance indicators prioritization in whole business process: A Case of Manufacturing Industry. Life Science Journal.
7. Rukaiza Khan, Afshan Naseem, **Syed Athar Masood (2016)**. Effect of continuance commitment and organizational cynicism on employee satisfaction in engineering organizations. International journal of innovation, management and technology.
8. Muhammad Shahbaz, **Syed Athar Masood**, Muhammad Shaheen, Ayaz Khan (2010). Data mining methodology in perspective of manufacturing databases. Journal of American Science.
9. Rafiullah Khan. Irfan Ahmad Gondal, **Syed Athar Masood (2018)**. Green hydrogen production potential for developing a hydrogen economy in Pakistan. International journal of hydrogen energy.
10. Nusrat Kamal Raja, M Shahid Khalil, **Syed Athar Masood**, Muhammad Shaheen (2011). Design and manufacturing of parabolic trough solar collector system for a developing country Pakistan. Journal of American Science.
11. Memmona Rauf Khan, **Syed Ather Masood**, Syed Irshad Ali<sup>1</sup>, Jamil Yousof (2011). Evaluation of performance in manufacturing organization through productivity and quality. African Journal of Business Management
12. Muhammad Shahbaz, Shoaib Faruq, Muhammad Shaheen, **Syed Ather Masood (2012)**. Cancer diagnosis using data mining technology. Life Science Journal
13. Muhammad Shahbaz, Syed Ahsan, Muhammad Shaheen, Rao Muhammad Adeel Nawab, **Syed Athar Masood (2011)**. Automatic generation of extended er diagram using natural language processing. Journal of American Science.
14. **Syed Athar Masood**, Mirza Jahanzaib, Shahid Nadeem, Khalid Akhtar, Muhammad Shahbaz (2013). Application of Genetic Algorithm (GA) approach in the formation of manufacturing cells for group technology. Life Science Journal.

15. **Syed Athar Masood**, Mirza Jahanzaib, Khalid Akhtar, Fahad Al Mufadi (2013). Performance analysis of process parameters effecting the automated assembly system. Life Science Journal.
16. Muhammad Shahbaz, Waqar Saleem, Syed, M Aslam, J Arshad, A Farooq, **S A Masood**, M Shaheen (2012). Evaluating the factors responsible for slow rate of technology diffusion in Livestock Sector of South Asia and developing a framework to accelerate this process: A case study ... Life Science Journal
17. **Syed Athar Masood**, Mirza Jahanzaib, Khalid Akhtar, Muhammad Shahbaz (2012). Do actions speak louder than words? An empirical investigation in terms of organizational performance in manufacturing organizations. Life Science Journal.
18. Muhammad Tasleem, Nawar Khan, **Syed Athar Masood** (2016). Impact of TQM and Technology Management on Organizational Performance. Mehran University Research Journal of Engineering & Technology.
19. **Syed Athar Masood**, Mirza Jahanzaib, Umer Jamil, Khalid Akhtar (2013). Product Design Variables Optimization using Design for Six Sigma (DFSS) Approach. Life Science Journal.
20. Muhammad Shaheen, Muhammad Shahbaz, S Ahsan, **S A Masood** (2012). Integrated data mining framework for natural resource exploration. Life Science Journal.
21. **Syed Athar Masood**, Muhammad Tasleem, Nawar Khan (2015). Integrated role of TQM and technology management in organizational sustainability. Industrial Engineering and Operations Management (IEOM), 2015 International Conference on Engineering.
22. **Syed Athar Masood**, Mirza Jahanzaib, Khalid Akhtar, Khurram Ali (2013). Managing Competitiveness using Production Volumes-Product Variety Model for Automobile Industry. Life Science Journal.
23. **Syed Athar Masood**, Mirza Jahanzaib, Khalid Akhtar, Talat Aslam (2013). Improvement in Subsisted Product Delivery Process of Manufacturing Organization using Concurrent Engineering. Life Science Journal.
24. **Syed Athar Masood**, Mirza Jahanzaib, Khalid Akhtar, Muhammad Shahbaz (2012). A study for analyzing effects of design parameters in the sand casting process of aluminum alloy. Life Science Journal.
25. Zahoor ur Rehman, Muhammad Shahbaz, Muhammad Shaheen, Sajid Mehmood, **Syed Athar Masood** (2012). Anomalous Pattern Detection Using Context Aware Ubiquitous Data Mining. Life Science Journal.
26. Muhammad Qasim Khan, **Syed Athar Masood** (2018). Productivity Measurement And Analysis of a Public Sector Automobile Rebuild Organization. Journal of Engineering and Applied Sciences.
27. Syed Umaid Ali, Rafiullah Khan, **Syed Athar Masood** (2017). Analysis of Wind Energy Potential and Optimum Wind Blade Design for Jamshoro Wind Corridor. Mehran University Research Journal of Engineering & Technology.
28. N Mohsin, R Khan, **S A Masood** (2016). Mathematical Modeling of Low Velocity Impact on Hybrid CNG Cylinder. University of Engineering and Technology Taxila. Technical Journal UET Taxila.
29. A Khan, MA Choudhary, S Khushnood, **S A Masood** (2015). Development of Econometric Models for Cost & Time Over-runs: An Empirical Study of Major Road Construction Projects in Pakistan. Technical Journal, University of Engineering and Technology (UET) Taxila, Pakistan.

30. **Syed Athar Masood**, Muhammad Shahbaz, Muhammad Shaheen (2012). Transformational Leadership and Attribution Theory: The Situational Strength Perspective. *Life Science Journal*.
31. **Syed Athar Masood**, Syed Ahsan, Muhammad Shahbaz, Sajid Mehmood (2011). MIMO – OFDM WIMAX for Commercial Networks in Urban Environment. *Journal of American Science*.
32. **Syed Athar Masood**, Syed Ahsan, Muhammad Shahbaz (2011). Limitations of existing Chemical Biology Public Domain Data sources. *Journal of American Science*.
33. **Syed Athar Masood**, Syed Ahsan, Muhammad Shahbaz (2011). STYX : A CML based chem.-informatics facility. *Journal of American Science*.
34. **Syed Athar Masood**, Syed Ahsan, Muhammad Shahbaz (2011). Integrating Orthogonal Frequency Division Multiplexing [Ofdm] And Multiple Input Multiple Output [Mimo] as Joint Transmission Scheme. *Journal of American Science*.
35. **Syed Athar Masood**, Syed Ahsan, Muhammad Shahbaz (2011). Creation of next generation of Open Source Science Databases. *Journal of American Science*.
36. **Syed Athar Masood**, Dr. Muhammad Shahbaz, Dr Syed Muhammad Ahsen, Ishtiaq Hussain, Muhammad Shaheen (2011). An Algorithm for the Removal of Redundant Dimensions to Find Clusters in N-Dimensional Data using. *Journal of American Science*.
37. Muhammad Shahbaz, Syed Muhammad Ahsen, Maryam Shaheen, Muhammad Shaheen, **Syed Athar Masood** (2011). An Effective Preprocessing Methodology for Textual Data Classification. *Journal of American Science*.
38. Muhammad Ishfaq Khan, **Syed Athar Masood**, S Z.(2020). Numerical and Experimental Study of Drag and Vortex Shedding across Smooth Circular Cylinder with Attached Rigid Bilateral Splitter Plates in Sub-Critical Regime for Landing Gear, *Technical Journal, UET Taxila* 25 (3), 1-7
39. MI Khan, **SA Masood** (2020). A Numerical Investigation of Vortex Shedding and Flow around a Smooth Circular Cylinder in Upper Transition Regime by Using URANS, *Technical Journal* 25 (01), 15-21
40. MQ Khan, **SA Masood**, SN Qureshi, (2019). Reformulation of Productivity Improvement Model for Public Sector Automobile Rebuild Organizations, *Journal Of Engineering And Applied Sciences* 38 (2), 1-18
41. MQ Khan, **SA Masood**, SN Qureshi, (2019). Analysis of Low Productivity in Public Sector Automobile Rebuild Organizations, *Technical Journal, University of Engineering and Technology (UET) Taxila, Pakistan* Vol. 24 No. 1-2019, ISSN:1813-1786
42. MQ Khan, **SA Masood** (2018). Productivity Measurement And Analysis of A Public Sector Automobile Rebuild Organization, *Journal Of Engineering And Applied Sciences* 37 (2).
43. Yasir Ali, **Syed Athar Masood**, Abdullah Khan ,Imran Shah ,Waheed Gul ,Tariq Amin Khan. (2023). Numerical and Experimental Analysis of Shell and Tube Heat Exchanger with Round and Hexagonal Tubes. *Energies, MDPI. 2023/1 Vol 16(2)*.
44. Abdullah Awadh Aljuaid, Syed Athar Masood, Javed Ahmed Khan Tipu, Imran Shah (2023). Development Of A Localized Production Model For The Automotive Industry, Built Into The

Concept Of Industry 4.0 In The Kingdom Of Saudi Arabia. Eastern-European Journal of Enterprise Technologies. Vol 4-13(124).

## Conference Papers

1. **Syed Athar Masood** (2015). Lean Manufacturing and Transformational Leadership. Proceedings of the 2015 International Conference on Operations Excellence and Service Engineering, Florida, USA.
2. **Syed Athar Masood** (2012) Analysis and development of a model for the causes of cost and time overruns in Engineering projects. American Society for Engineering Education.
3. **Syed Athar Masood** (2016). A Way Forward to Attain Lean Manufacturing Status through Transformational Leadership. Proceedings of the 2016 International Conference on Industrial Engineering and Operations Management Detroit, Michigan, USA.
4. **Syed Athar Masood**, Muhammad Umer Farooq, Saeed Badshah, Muhammad Imran, Abdul Rafai (2016). Design and Analysis of cross flow Impulse Turbine for Water Stream near Trappi Village KPK Pakistan. 4th International Conference on Energy, Environment and Sustainable Development 2016.
5. Asim Nisar Muhammad Tasleem, Nawar Khan, **Syed Athar Masood** (2015). Driving TQM/BE Model based Sustainable Excellence Enterprise Framework. Proceedings of the 2015 International Conference on Operations Excellence and Service Engineering Orlando, Florida, USA.
6. **Syed Athar Masood**, Muhammad Tasleem, Nawar Khan, Syed Tasweer Hussain (2015). Empirical Study of the Impact of Software Quality Practices on Product Performance in Engineering Firms in Pakistan. Industrial Engineering and Operations Management (IEOM), 2015 International Conference on.
7. Muhammad Shahbaz, Asim Ali, Mian Muhammad Awais, **Syed Athar Masood** (2010). DEPENDENCY ANALYSIS IN COAL BASED POWER PLANTS USING FUZZY RULE SYSTEM. Proceedings of the 12th IASTED International Conference.