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Biography

Dr. Rehman earned his PhD degree in Mechanical engineering with specialization in wind energy from the University of Pretoria, Pretoria, South Africa and MS and BS degrees in Mechanical Engineering from KFUPM, Dhahran, Saudi Arabia and AMU, Aligarh, India. Dr. Rehman was honored with ‘**Best Researchers Awards in 2007 and 2012**’ by the university and a national “**Almarai Prize 2017**” by KACST.

He has been involved in wind and solar power resources assessment, meteorological measurements using 40-100-meter-tall towers and LiDARS, design of wind farms and PV power plants for isolated and grid connected applications, floating photovoltaic system design and deployment, design and optimization of hybrid power systems (Wind-Diesel, PV-Diesel, Wind-PV-Diesel), PV panel cleaning technologies, smart irrigation systems, prediction of wind speed and solar radiation using modern machine learning techniques.

Dr. Rehman is the author of 300⁺ technical papers published in refereed technical ISI journals and refereed conference proceedings. He has participated in the writing of more than 120 technical reports and more than 65 research proposals. He has developed many technical research ideas and also prepared service quotations. Last but not the least Dr. Rehman has 21,000⁺ citations with h-index of 69 and i10-index of 221. He has also received several best and highly cited paper awards and has been invited as keynote speaker at international refereed conferences. Last but not the least, he has **fourteen** US patents to his credit.