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## Dr. Muhammad Asif Professor

**Interdisciplinary Research Center for Renewable Energy and Power Systems (IRC-REPS)**  
**King Fahd University of Petroleum & Minerals, Saudi Arabia**

### Executive Summary:

Dr Asif has over 17 years of teaching and research experience. He is Chartered Engineer, Certified Energy Manager (AEE, USA), Member of the Energy Institute (UK) and Fellow of the Higher Education Academy (UK). He completed PhD in Applied Energy Engineering from Edinburgh (UK) in 2002 and has held full-time faculty positions for over 12 years in British Universities. His areas of research interests include renewable energy, energy conservation & management, energy policy, sustainable buildings, and life cycle assessment. He sits on several international energy forums including the accreditation panel of the Energy Institute. His work has been referred to in various European policy documents and directives. He has supervised 12 PhD and 2 MPhil candidates.

### Education:

- ❑ PhD: Applied Energy Engineering, Edinburgh University, 2003
- ❑ MSc: Advanced Manufacturing Systems, University of Liverpool, 1999
- ❑ BSc: University of Engineering & Technology, Lahore, 1997

## Distinguished Projects

- *Project title* “Renewable energy and energy management in buildings”, funded by King Abdullah city for Atomic and Renewable Energy, Role: PI
- *Project title* “Development of Building Sustainability Rating Systems for KSA” funded by NSTIP, Role: Co-PI.
- *Project title* “Techno-economic assessment of green roofs in buildings”, funded by DSR, KFUPM, Role: PI.
- *Project title* “Development of Life Cycle Analysis Framework for KSA Buildings”, funded by DSR, KFUPM, Role: PI.
- *Project title* “Assessment of BIM based building energy retrofitting”, funded by DSR, KFUPM, Role: PI.
- *Project title* “Retrofitting of shopping malls”, funded by European Commission, Role: Co-PI.
- *Project title* “Application of small scale renewable technologies in small and medium enterprises, Retrofitting of shopping malls”, funded by European Commission, Role: Co-PI.

## Research Summary

- Number of Published Papers: 60
- Citations : 2605
- H-Index : 23
- Books: 6
- Book Chapters: 16
- Article Reviewed (Elsevier, T&F, Wiley, MDPI): >200

## Award and Recognitions

- Member Accreditation board, Energy Institute, UK
- Fellow, Higher Education Academy, UK
- Certified energy Manager (CEM), Association of Energy Engineers (USA)
- Chartered Engineer, Engineering Council (UK)
- Best Teaching Award, Chartered Institute of Building Services Engineer (CIBSE), UK
- Invited Speaker at over 10 international conferences

## Skills and Expertise

- Renewable energy: resource assessment, design and application, feasibility assessment
- Energy conservation and management: energy audit and monitoring, energy efficiency solution
- Building retrofit: energy retrofit in buildings
- Sustainable energy transition: technology and policies for low-carbon energy transition
- Energy and environmental security: climate change, energy solutions for developing nations
- Life cycle analysis: environmental impact assessment, energy and materials assessment