

Curriculum Vitae

Prof. Dr. Mohammad Aslam Uqaili
 Professor Meritorious and Pro Vice Chancellor
 Mehran University of Engineering & Technology,
 Jamshoro, Pakistan

Tel# Residence: +92-22-2772102
 Office: +92-22-2771360
 Fax: +92-22-2772196
 Email: aslamuqaili@yahoo.co.uk

High Education Commission (HEC) Pakistan's approved PhD Supervisor
<http://sc.hec.gov.pk/aphds/submit.asp?supid=2799>

Personal Profile

I would describe myself as an engineer with varied experience in diversified fields such as energy/demand-side management; renewable energy; combustion studies, environmental studies, computer application and system optimization; project appraisal, supervision and management; policy, planning and implementation of programs and strategies etc. Although I received my first degree in an engineering discipline, I also passed my masters in economics as a private student. Later on I chose energy studies for my higher education. I received my master's in combustion and energy from University of Leeds and took energy management field for my Ph.D. thesis, which was related with modeling, policy analysis and market research in the energy sector of Pakistan. My Ph.D. project required design and administration of surveys in order to measure various dimensions of the attitudes and perceptions of the participants which were later used to develop computer models for the analysis of the energy sector of Pakistan and then suggest effective marketing and management strategies.

I am also actively involved in the community related projects and participated in various projects administered by Sindh Rural Support Program a prominent Non governmental Organization, which is focusing on socio economic development and poverty alleviation of poor communities of rural areas. The capacity building activities and training is another area of interest and is actively engaged in these activities in the private and public sector. It was through these activities that I have learned quality management systems and later brought it in our university.

Mehran university is the second public sector university which is ISO 9000 certified. Through this certification the university has gained an image of quality engineering university of the country. I can claim as one of the pioneer member of the team and heading the quality enhancement cell from April 2003 as Dean QEC. In September 2003 Mehran University was certified by LRQA, an external certification agency and recertified everytime after every three years under my supervision. The experience of QMS at MUET brought me as Registrar and then Pro Vice Chancellor of the university.

At present I am working as a Meritorious Professor in the Department of Electrical Engineering and Pro Vice Chancellor, Mehran University of Engineering & Technology Jamshoro and actively engaged in the management of the university. In the last eight years as a leading member of the top management of the university. MUET had ranked by HEC, Islamabad as number one public sector engineering university of the province and took place in world's top 400 Universities in year 2012. Every year more than 25 leading public and private sector organizations are conducting recruitment test at our university.

Furthermore, I have also visited United States of America under the project of "Science & Technology University Administration" August 27 - September 14, 2007, sponsored by United States Department of State. The project was aimed to examine the U.S. system of higher education, with a particular focus on science & technology colleges and universities, their structure, administration, rules and regulations, professional training programs, student recruitment processes (domestic and overseas) and support services; and others related with higher education policy and management, Accreditation, faculty development, curriculum development, domestic & international cooperation etc

I also traveled widely and visited higher education institutes of developed world including UK, USA, Australia, Germany, Malaysia, Italy, China, Singapore etc. Experiences of the visits were shared with the management and faculty and replicated in the Universities.

Personal Bio Data

Date of Birth: March 08, 1964
 Marital Status: Married (03)
 Languages: Sindhi, English, Urdu, Saraiki

Qualifications

1. Ph. D. (Energy Economic/Management), from Leeds University, Leeds University, UK. 1996. Thesis Title: Energy Modeling and Energy Policy in Pakistan
2. M.Sc Combustion and Energy, Center for Combustion and Energy, The University of Leeds, Leeds, UK. 1993
3. M.A. Economics, Sindh University, Jamshoro, Pakistan, 1988
4. Bachelor of Engineering (Electrical), NED University of Engineering and Technology, Karachi, Pakistan, 1987

Employment History

S.	Position	Period		Name of Institution
		From	To	
1.	Meritorious Professor (BPS-22)	January 2011	To date	Mehran University of Engineering & Technology (MUET), Jamshoro
2.	Professor(BPS-21)	January 2007	January 2011	MUET, Jamshoro
3.	Professor(BPS-20)	September 2000	January 2007	MUET, Jamshoro
4.	Associate Professor	May 1997	September 2000	MUET, Jamshoro
5.	Assistant Professor	June 1996	May 1997	MUET, Jamshoro
6.	Research Assistant /Demonstrator	Oct 1992 (during study leave)	June 1996	Department of Fuel and Energy, University of Leeds, Leeds UK
7.	Lecturer	October 1987	September 1992	MUET, Jamshoro
8.	Electrical Engineer (Trainee)	July 1987	October 1987	AEG Electrical Company, Karachi

Administrative Experience

- PRO VICE CHANCELLOR, MUET, Jamshoro, July 2009 to date
 - Organize and plan placement of Ph.D. scholars in foreign Universities and keep an eye over their progress and performance, attend to problems cropping up from time to time such as issuance of visas by High Commissions or Embassies of the relevant countries and liaise with the foreign Universities.
 - Oversee, develop and expand the Central Library and strengthen seminar libraries of the Institutes, Centers and Departments and enhance access to foreign journals through internet and ensure smooth running of on-line library.
 - Supervise academic performance of the Institute, Departments and Centers in terms of coverage of courses of study.
 - Supervise / monitor research projects funded by the Higher Education Commission, Mehran University of Engineering & Technology, Jamshoro and other agencies.
 - Plan, Supervise and closely monitor the HEC funded and other development projects of the University.
 - Oversee and monitor Directorate of Planning & Development and Engineering Section of Project Directorate of the University
- REGISTRAR, MUET, Jamshoro, April 2004 to July 2009
 Main responsibilities:
 - Deal with and carry out official correspondence of the University on all academic, administrative and other matters
 - Act as University Resident Officer and in this capacity to be responsible in exercising over all vigilance and provide regularly adequate information to the Vice-Chancellor on matters likely to disturb general atmosphere in the University

- DEAN QEC, MUET, Jamshoro, April 2003- to date

Main responsibilities:

- Manage, monitor, evaluate and coordinate the quality management system;
 - Enhance effective and efficient operation and improvement of the quality management system;
 - Communicate with the customers and other interested parties and maintain liaison with the external parties on matters pertaining to the quality management system;
 - Conduct Self Assessment of University Programs;
 - Conduct the meetings of Management Review Committee, as per requirement of the Quality Management System and follow up the decisions taken in the meetings to ensure their completion in the specified time frame; and
- Chairman, SMC, Mehran University Public School (MUPS), Jamshoro
Took initiatives for development of the MUPS and promoted it from the category of middle school to the college providing quality higher secondary education to the children of the MUET employees and suburbs of the University.
 - Member, Editorial Board, International Journal of Chemical and Environmental Engineering
 - Member, Editorial Board, Mehran University Research Journal
 - Incharge Transport Section, MUET Jamshoro, April 2004 - to July 2009
 - Chairman Executive Committee Sports, MUET Jamshoro, April 2004 - to July 2009
 - Member, Disciplinary Committee, MUET Jamshoro, 1999-2000, 2002-to July 2009
 - Member/Chairman, Advisory Committee, Continuing Education, MUET, Jan 2002-todate
 - Chairman University Purchase Committee, MUET, Jamshoro, April 2002-April 2004
 - Member Finance Planning Committee, MUET, Jamshoro
 - Member Investment Cell, MUET, Jamshoro

Academic/Professional/Research Experience

Academic and Linkages Development:

- University of Manchester, Manchester, United Kingdom
- City University, London, United Kingdom
- Brunel University, London, United Kingdom
- Shenyang Aerospace University (SAU), Shenyang, China
- School of Environment, Tsinghua University, Beijing, China
- Visited Universiti Teknologi Malaysia (UTM)
- Visited USA and participated in the development of linkages with three universities of USA
- Developed linkages with universities of UK

M.Phil. /M.E. and Ph.D Produced*

S	Degree	No.	University/Status
1.	PhD	06	MUET Jamshoro
2.	ME	11	MUET Jamshoro

*Details are presented as annex-I

Research Publications:

- 11 book chapters published in various international books
- 55 Research Papers Published in journals and conferences of international repute
- 42 Research Papers Published in journals and conferences of national repute

International Conference Organized

- 1st International Conference on Wireless Sensor Networks for Developing Countries (WSN4DC'13), jointly organized by Mehran University of Engineering & Technology, Jamshoro, Pakistan, Erasmus Mundus Strong-Ties (Strengthening Training and Research through Networking and Globalization of Teaching In Engineering Studies) program and International Islamic University Malaysia (IIUM) at Mehran UET, Jamshoro, Pakistan, 24-26 April 2013
- 2nd International Multi Topic Conference, Emerging Trends and Applications in Information Communication Technologies Jointly Organized By Mehran University of Engineering & Technology, Pakistan, Aalborg University Esbjerg, Denmark and Higher Education Commission (HEC) at Mehran University of Engineering & Technology, Jamshoro, Pakistan, 28-30 March 2012

- iii. 2nd International Conference on “Energy, Environment & Sustainable Development (EESD2012)” Mehran University of Engineering & Technology, Jamshoro, Pakistan, February 27-29, 2012
- iv. International Conference on Sustainable Water Management, organized by Mehran University of Engineering & Technology, Jamshoro and DeIPHE, September 15-17, 2010
- v. 1st International Conference on “Energy, Environment and Sustainable Development for Growing Economies”, Mehran University of Engineering & Technology, Jamshoro, Pakistan, May 4-6, 2009.
- vi. 1st International Multi Topic Conference (IMTIC '08) Jointly Organized By Mehran University of Engineering & Technology, Pakistan and Aalborg University Esbjerg, Denmark, at Mehran University of Engineering & Technology, Jamshoro, Pakistan, April 11-12, 2008

Participation in Academic Forums

- Member, Board of Governors, Pakistan Engineering Technology (PEC) 2012-14
- Member, Engineering Accreditation & Quality Evaluation Committee (EA&QEC), PEC, 2012-14
- Deputy Convener, Committee for Professional Development of Engineers (EPDC), PEC 2012-14
- Member, Think Tank on Engineering Education (PEC) 2009-11
- Member, high power Board of Directors for Establishment of Engineering College of Mehran university of Engineering and Technology at Khairpur
- Member Advanced Studies and Research Board, MUET, Jamshoro
- Member, Editorial Board, MUET Jamshoro
- Member National Curriculum Revision Committee, Higher Education Commission Islamabad,
- Member, BOS, Energy and Environment Engineering Department, QUEST, Nawabshah
- Member, Academic Committee, ITQM, Punjab University, Lahore
- Member, Technical Committee, BISE, Sukkur
- Member, Academic Committee, BISE, Hyderabad
- Member, Academic Committee, Technical Board, Karachi

Teaching Activities:

- Various Subjects to Postgraduate as well as Undergraduate Students

Departmental Development:

- Member, Board of Studies
- Incharge Industrial Liaison Committee
- Member Curriculum Development and Revision Committee
- Development of laboratories
- Incharge of the Computer laboratory

External Examiner:

- University of Punjab, Lahore
- NED University, Karachi
- QUEST, Nawabshah
- Engineering University, Khuzdar
- Dawood Engineering College, Karachi
- Islamia University Engineering College Bahawalpur

Community Development

- **Member Board of Trustees (BOT) of Community Development Organizations:**
 - Sindh Rural Support Program (SRSP)
 - Indus Development Forum (IDF)
 - Sindh Development Society (SDS)
- **Community Development Projects Undertaken:**
 - Third Party validation of Environmental and Social Management Plan (ESMP) and resettlement plan of sixth (06th) Secondary Transmission Grid System (STG), MUCED-HESCO, 2011-13
 - Residential End Use Consumer Survey, MUCED-HESCO, 2009
 - Impact Assessment of Meena Communication Activities in Sindh and Balochistan, UNICEF, Islamabad, 1999-2000.
 - Vocational Training Center for working girl child, Aus Aid/ SDS, 2000.
 - Feasibility study of Caritas Land in Sanghar, Caritas Sanghar, 2000;
 - Human Resource Development in Sindh, SZABIST, Karachi, 1999.
 - Feasibility Study for Human Resource Center in Sindh, SZABIST, Karachi, 1999.

- Planning and Feasibility study of Kheethar University, Sindh Education Trust (SET) Hyderabad, 1999.
- Survey of working children of labour colonies of Kotri, SDS, Hyderabad, 1999.
- Study on Bonded Labors in Sindh, ActionAid, Islamabad, 1999.
- Socio-economic Dependence of People on Lake in Sindh, Environmental Management Consultants/ SEPA Government of Sindh, 1999.
- Agriculture Development Report, Indus Development Foundation, IDF, Hyderabad, 1999
- Advocacy Forum on Land Degradation in Sindh, GEF, UNDP/ Sindh Rural Support Program, 1998-99.
- Advocacy Forum on Women Awareness in Sindh, Hienrich Boll Foundation/ Sindh Development Society, 1997-99.
- Impact Evaluation Study of Livestock Sector Development Project, Sindh, Government of Sindh/Asian Development Bank, 1997.
- Training imparted on Project Design and Planning, Monitoring and Evaluation, Social Mobilization to various NGOs

Professional Memberships

International

- i. British Alumni
- ii. Leeds Alumni
- iii. State Alumni

National

- i. Pakistan Engineering Council, Islamabad
- ii. Institute of Electrical & Electronic Engineers of Pakistan, Karachi
- iii. Institute of Engineers Pakistan, Karachi
- iv. NED Alumni Association
- v. National Testing Service Examiner
- vi. Pakistan Wind Energy Association, Islamabad

Merit Awards/Distinctions

- Elected Member, Governing Body of Pakistan Engineering Council (PEC) 2012-14
- Received Best Research Paper Award on writing "Assessment of Centralized grid connected wind power cost in coastal area of Pakistan" paper on 17 October, 2011 by Higher Education Commission, Government of Pakistan
- Keynote speaker in International Renewable Energy & Environment Conference 2011 (IREEC 2011), 24-26, June 2011 in Kuala Lumpur Malaysia, organized by World Academy of Research & Publication (WARP) Malaysia
- Received Best Teacher Award 2005 from Higher Education Commission of Pakistan
- Awarded scholarship to pursue postgraduate studies abroad, by the Ministry of Science and Technology, Government of Pakistan. The scholarship was awarded on the basis of result of a countrywide open competition involving tests and interviews in 1990
- Obtained 3rd ranking highest score in the countrywide competition during the TIP. UGC Islamabad in 1990
- Received scholarship form National Bank of Pakistan during undergraduate program, 1981-19986

Computer Literacy

Computer Languages: C++, FORTRAN, BASIC.

Systems: UNIX, MS DOS, Netware, Windows, OS/2, Apple Macintosh.

Packages: SPICE, MATLAB, AmiPro, MS word, Word Perfect, MS Excel Ms PowerPoint SPSS, Minitab, EWB (Electronic work bench), and etc.

Seminars/Workshops/Conferences Attended

International:

- Keynote Speaker, International renewable energy & environment conference, 2011 (IREEC 2011), organized by World Academy of Research and Publication (WARP), Kuala Lumpur, Malaysia, 24-26, June 2011
- Engineering Accreditation at Singapore, organized by The Federation of Engineering Institutions of Asia and the Pacific (FEIAP) from July 5-7, 2011

- International Conference on Engineering Technology (ICET2007), University Kuala Lumpur, Kuala Lumpur, Malaysia, December 11-13, 2007.
- Three Days Second International Conference, “Environmentally Sustainable Development ESDev-2007” organized by COMSATS Institute of Information Technology, Abbottabad, Pakistan, August 26-28, 2007
- International Conference “Renewable Energy for Sustainable Development in the Asia Pacific Region”, Esplanade Hotel Fremantle, Western Australia, 4-8 February 2007, Organized by Environmental Technology Center, Murdoch University, Perth, Western Australia.
- 1st International Conference on “Assessing Quality in Higher Education”, Institute of Quality & Technology Management, University of Punjab, Lahore, December 11-13, 2006.
- Congress “World Renewable Energy Congress and Exhibition IX”, Organized by World Renewable Energy Congress/Network UK, Host Organization, ABITA Interuniversity and Research Center, University of Florence, Florence, Italy, 19-25 August 2006.
- Two Days Congress “Third International Mechanical Engineering Congress, TIMEC - 2006” Institute of Engineers Pakistan, Karachi, Pakistan, March 20-21, 2006.
- Three Day International Conference on “Environmental Horizons”, organized by Department of Chemistry, University of Karachi, Karachi, Pakistan, December 19-21, 2005.
- Two Day Seminar on “Indigenous Development of Innovative Technologies in the Field of Renewable Energy” organized by Alternative Energy Development Board (AEDB), Islamabad, Pakistan, August 22-23, 2005.
- First International Conference on “Environmentally Sustainable Development, ESDev-2005” organized by COMSATS Institute of Information Technology, Abbottabad, Pakistan, June 26-28, 2005.
- Two days Meeting on “Renewable Energy Technologies and Sustainable Development” organized by Commission on Science and Technology for Sustainable Development in the South (COMSATS), Pakistan Council of Renewable Energy Technologies (PCRET) & Global Change Impact Studies Centre (GCISC), Islamabad, Pakistan, February 10-11, 2004.
- Three Days Congress “Second International Mechanical Engineering Congress” organized by Institute of Engineers Pakistan, Karachi, October 26-28, 2003.
- Asia's growing energy demand for Energy, International Energy Journal, Petroleum Economist, London, UK, 1995.
- Energy Management Conference; Focus for the Future”, May 26-28, 1993, Leeds, UK

National:

- One Day national workshop on Intellectual Property Rights in Pakistan Challenges and Opportunities, 26 April, 2012, world IP Day. Organized by Mehran University Institute of Science, Technology and Development, MUET, Jamshoro, sponsored by Higher Education Commission of Pakistan and Pakistan Science Foundation.
- Students Conference on Engineering Science & Technology, organized by Mehran University of Engineering & Technology, Jamshoro, July 27-28, 2011
- Three Days Third National Conference on “Energy Resources of Pakistan: Potential, Utilization, Conservation and Impact on Environment”, Department of Energy and Environment Engineering, Quaid-E-Awam University of Engineering, Sciences and Technology, Nawabshah, March 18-20, 2010
- Recovery of Value Added products from waste, Mehran University of Engineering & Technology, Institute for the Environment, Burnel University, west London, UK
- National Conference on Public Private Partnership for higher education in collaboration with HEC of Pakistan, USAID, May 26, 2009
- One day Interactive Seminar on “The Energy Crisis in Pakistan - Power Generation from Coal - A Major Option”, Organized by Institution of Engineers Pakistan, Karachi Centre in Collaboration with The Federation of Pakistan Chamber of Commerce & Industry, Karachi, April 24, 2008.
- Three Days Second National Conference on “Energy and Environment: Issues, Concerns and Options”, Department of Energy and Environment Engineering, Quaid-E-Awam University of Engineering, Sciences and Technology, Nawabshah, March 27-29, 2008.
- Three Days National Conference “Assessment and Proper Utilization of Indigenous Energy Sources and Their Environmental Impacts”, Department of Energy and Environment Engineering, Quaid-E-Awam University of Engineering, Sciences and Technology, Nawabshah, February 26-28, 2007
- 5th National Conference on ‘Quality Assurance in Higher Education’ organized by PIQC Institute of Quality dated: 16-17 June, 2007
- One-Day Workshop on “ICT - Public Policy, Bridging the Gap Among Academia, Industry and Government”, Mehran University Institute of Science and Technology Development, Jamshoro, Pakistan, September 16, 2006.
- Two days National Conference on “Fossil Fuels and Mineral Resources of Sindh” organized by Department of Geology, University of Sindh, Jamshoro, Pakistan, February 28 to March 1, 2005.

- Coal as a fuel for Cement and Other Process Industry, Sindh Coal Authority, Government of Sindh, Karachi, April 2001
- Teacher, Administrator, Parents and Student Interaction, Vision 2025, Two days Conference, University Grants Commission, Islamabad, 1999
- Seminar on “Sustainable Development for Developing Countries”, by a group of Canadian Strategists and Researchers, February 1998, MUET, Jamshoro Pakistan.
- Conference on Local Initiatives in Development”, Organized by the Strengthening Participatory Organization (SPO) Sindh, August 28-30 1997, Karachi Pakistan.
- Seminar on “Renewable Energy Resources and Environmental Pollution”, March 26, 1990, MUET Jamshoro, Pakistan.
- “Annual International Symposium of the IEEP”, February 28, 1990, Karachi Pakistan.
- “Annual International Symposium of the IEEP”, August 18, 1988, Karachi Pakistan.
- “All Pakistan Electrical Engineering Students Seminar, 1987”, by the IEEP, February 3, 1988, Karachi Pakistan.

Trainings Attended

- One day lecture on “Applications of Solar Energy in Pakistan”, delivered by Prof. Dr. Tariq Muneer, Professor of Energy Engineering, School of Engineering, Napier University, Scotland, U.K., organized by the Directorate of Continuing Education, Mehran University of Engineering and Technology, Jamshoro, Pakistan, December 15, 2005.
- Project Cycle Management and Logical Framework Approach, three days training, Asia Link, AGFG, Europe Aid Cooperation Office, Karachi, November 2005
- One day short course on “Nuclear Engineering” organized by the Institution of Engineers Pakistan, Mehran Student Chapter, Mehran University of Engineering and Technology, Jamshoro, Pakistan, October 23, 2003.
- Two weeks course on “statistical Process Control”, organized by Department of Basic Sciences and Related Studies, Mehran University of Engineering and Technology, Jamshoro, Pakistan, September 1, 2003 to October 14, 2003.
- Five Days Lead Auditor, IRQA Certified Course, Pakistan Institute of Quality Assurance and IRQA Singapore, July 2003
- Provincial Roundtable on mainstreaming environment into Pakistan’s Poverty Reduction Strategy Paper (PRSP), Planning and Development Department of Government of Sindh, Karachi, 26 March, 2003
- Three day course on “Understanding of MATLAB towards the Solution of Physical Problems”, organized by Directorate of Continuing Education, Mehran University of Engineering and Technology, Jamshoro, Pakistan, September 3-5, 2002
- Two Days Course by United Engineering Services on “Conserve Energy Efficiently”, Sheraton, Karachi, 22-23 January 2002
- Two Day Course on ISO 9000 by Quality Assurance and Inspection Services Karachi, September 1999
- Three Weeks Course on Optimization Techniques by Department of Mathematics, University of Leeds, Leeds, UK, December 1995
- Two Weeks Course on Research Methods in Social Sciences and Market Research by the Directorate of Continuing Education, University of Leeds, Leeds, UK, December 1994. The course was aimed at improving the research skills of professionals belonging to technical fields e.g. engineering in the areas of social research and market/behavioral studies.
- Attended the courses of Air Pollution and Noise Control, Environmental Impact Assessment and Environmental Legislation with Postgraduate students of Ms. (environment and pollution control), Department of Fuel and Energy, University of Leeds, Leeds, UK, 1993-4
- Two days Course on Research Methods by the Directorate of Continuing Education, University of Leeds, Leeds, UK, October 1993
- Two days Course on Intellectual Property Rights by the Directorate of Continuing Education, University of Leeds, Leeds, UK, November 1993
- Fifteen Week Training Induction Course by National Academy of Higher Education (NAHE), University Grants Commission Islamabad (UGC), 1990 July to September
- Six Week Field Training by National Academy of Higher Education (NAHE), University Grants Commission (UGC) Islamabad, conducted at the Solar Energy Research Center Hyderabad Pakistan. 1990 October

Countries Visited

- U.S.A.
- Malaysia
- Italy
- Belgium
- Abuzahbi
- United Kingdom
- Germany
- France
- Luxembourg
- Singapore
- Australia
- Netherlands
- Saudi Arabia
- Thailand

Languages

- Sindhi
- Urdu
- English
- Seraiki

Research Publications

Books Chapters Authored International

1. Impact analysis of renewable energy in National Grids for Energy Deficit Countries, M. Aamir, Poncela J., Chowdhry B.S. and Uqaili M. A., Emerging Trends and Applications in Information Communication Technologies second International Multi Topic Conference, Mehran University of Engineering & Technology, Jamshoro, Pakistan, 28-30 March 2012, Springer-Communications in Computer and Information Science (CCIS) series, 2012 ISBN 978-3-642-28961-3
2. G.D. Valasai, Uqaili M.A., Memon H.R. and Harijan K. "Forecasting Electricity Demand for Agricultural and Services Sector of Pakistan", Energy, Environment and Sustainable Development 2012, XV, with ISBN:978-3-7091-0108-7 published by Springer New York, pp. 59-68.
3. R.H. Leghari, Uqaili M.A., and Harijan K. "Technologies for Harnessing Tidal Power in Pakistan", Energy, Environment and Sustainable Development 2012, XV, with ISBN:978-3-7091-0108-7 published by Springer New York, pp. 111-120.
4. Mahar M.A., Larik A.S., Abro M.R., Uqaili M.A., Unar M.A. and Shaikh A.R. "Wind Power Performance Improvements Using Artificial Neural Network Controller for DC-DC Converter", Energy, Environment and Sustainable Development 2012, XV, with ISBN:978-3-7091-0108-7 published by Springer New York, pp. 131-140.
5. R.S. Abro, Uqaili M.A, Kumar S., Harijan K. and Yaseen M. "Practical Application of Solar Energy at Desert of Tharparkar, Pakistan", Energy, Environment and Sustainable Development 2012, XV, with ISBN:978-3-7091-0108-7 published by Springer New York, pp. 141-146.
6. Soomro S.A., Memon H.R., Uqaili M.A., and Shaheen A. "Municipal Solid Waste Management: Options for Its Treatment and Energy Recovery", Energy, Environment and Sustainable Development 2012, XV, with ISBN:978-3-7091-0108-7 published by Springer New York, pp. 245-252.
7. Brohi K.M, Uqaili M.A, and Mahar R.B., "Environmental Policies for New Road Network of Pakistan to Control Air Emissions", Energy, Environment and Sustainable Development 2012, XV, with ISBN:978-3-7091-0108-7 published by Springer New York, pp. 307-320.
8. Book Chapter in Renewable Energy for Managing Energy Crisis in Pakistan", Published as Book Chapter in Hussain et al. (Eds.), *Communications in Computer and Information Science 20, Wireless Networks, Information Processing and Systems*, Springer-Verlag Berlin Heidelberg, Proceedings of first International Multi Topic Conference IMTIC 2008
9. Memon, M.D., Harijan, K., and Uqaili, M.A., "Assessment of Wind Home System's Potential in Coastal Areas of Pakistan", The American Institute of Physics (AIP)-Physics Publication and Resources, Conf. Proc. Renewable Energy for Sustainable Development in the Asia Pacific Region, October 15, 2007, Volume 941, pp. 80-89.
10. Uqaili, M.A., Harijan, K., and Memon, M.D., "Prospects of Renewable Energy for Meeting Growing Electricity Demand in Pakistan", The American Institute of Physics (AIP)-Physics Publication and Resources, Conf. Proc. Renewable Energy for Sustainable Development in the Asia Pacific Region, October 15, 2007, Volume 941, pp. 53-61.
11. William, A., and Uqaili, M. A., Sustainable Energy Development, Chapter in Energy Demand and Planning, 1999, Taylor & Francis

Books Chapters Authored National

1. Mirani, M., and Uqaili, M. A., "Strengthening Universities for the Development of Indigenous Technology for Poverty Alleviation", Reference Book on Seminar Poverty Alleviation, Contribution of Sindh Universities, Bureau of Composition, Compilation & Translation, University of Karachi, pp.61-66, June, 2002.
2. Mirani, M., and Uqaili, M. A., "Political Economy of Federal Development Investment in Sindh", Resources Distribution and Poverty in Pakistan, SZABIST Centre for Information & Research, pp.170-181, 2004.

Books Edited International

1. Energy, Environment and Sustainable Development 2012, XV, 349p, 159illus, Hardcover, with ISBN:978-3-7091-0108-7, published by Springer New York
2. Communications in Computer and Information Science, Second International Multi Topic Conference, IMTIC 2012, Jamshoro, Pakistan. Vol. 281, 2012, Approx. 570 p. with ISBN 978-3-642-28961-3, published by Springer New York
3. Guest Editor -International Journal of Social Network of Mining, Special Issue, ISSN 1757 8485, May 2009.

Research Papers in International Journals

1. Shaikh F., Shaikh P.H., Mirani M.A. and Uqaili M.A., "Multi Criteria Optimization Algorithm for Economic Dispatch Complications for Sustainable Interconnected Power System". International Journal of Computer Applications 50 (04): pp 22-25, 2012. Published by Foundation of Computer Science, New York, USA ISBN 973-93-80867-49-2
2. Mahar M.A., Larik A.S., Abro M.R. and Uqaili M.A., "Performance Analysis and Intelligent Power Controller Design of Soft Switched Half Bridge dc/dc Converter using Neural Networks". International Journal of Computer Applications 46(15): 2012. Published by Foundation of Computer Science, New York, USA ISBN 973-93-80867-49-2
3. Larik A.S., Mahar M.A., Uqaili M.A. and Abro M.R., "Steady State and Dynamic Performance Assessment of High Power Bi-Directional DC-DC Converter Topology: SMC as Control Technique". International Journal of Computer Applications 46(15): 2012. Published by Foundation of Computer Science, New York, USA ISBN 973-93-80867-49-2
4. Mahar R.B., Sahito A.R. and Uqaili M.A., "Biomethanization Potential of Waste Agricultural Biomass in Pakistan: A Case Study". International Journal of Biomass & Renewables, 1 (2012) 32 - 37
5. Amir M., Poncela J., Uqaili, M. A., Chowdhry B.S. and Khan N.A., "Optimal Design of Remote Terminal Unit (RTU) for Wireless SCADA System for Energy Management", Wireless Pers Commun (2013) 69:999-1012, DOI 10.1007/s11277-013-1060-9
6. Memon Z.A., Uqaili M.A. and Unar M.A., "Estimation of Compensation Current Reference using Fuzzy Logic Controller for Three-Phase Hybrid Active Power Filter". International Journal of Computer Applications 43(11):16-21, April 2012. Published by Foundation of Computer Science, New York, USA ISBN 973-93-80867-49-2
7. Harijan, K., Uqaili, M. A., Memon, M. D. and Mirza, U.K., "Forecasting the Diffusion of Wind Power in Pakistan", Energy, Vol. 36, Issue 10, pp. 6068-6073, October 2011.
8. Harijan, K., Uqaili, M. A., Memon, M. D. and Mirza, U.K., "Potential of On-Shore Wind Power in the Coastal Areas of Baluchistan, Pakistan", Wind Engineering, Vol. 34, No. 2, pp. 167-179, 2010
9. Harijan, K., Uqaili, M. A., Memon, M. D., and Mirza, U.K., "Assessment of Centralized Grid Connected Wind Power Cost in Coastal Area of Pakistan", *Renewable Energy*, Vol. 34, Issue 2, pp. 369-373, February 2009
10. Harijan, K., Memon, M.D., Uqaili, M.A., and Mirza, U.K., "Potential Contribution of Ethanol Fuel to the Transport Sector of Pakistan", *Renewable and Sustainable Energy Reviews*, Vol. 13, Issue 1, pp. 291-295, January 2009
11. Memon, N., Hicks, D. L., Larsen, H. L., and Uqaili, M. A., "Understanding the structure of terrorist networks", International Journal of Business Intelligence and Data Mining, Volume 2, Number 4, 2007, pp. 401-425

Research Papers in National Journals

1. A.A. Memon, I Hussain and M.A. Uqaili, "Gate Driver Circuit of Power Electronic Switches with Reduced Number of Isolated DC/DC Converter for a Switched Reluctance Motor", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 32, No.2, ISSN 0254-7821 pp. 233 - 238, April, 2013
2. A.A. Memon, I Hussain and M.A. Uqaili, "Hardware Implementation of Producing Variable Conduction Angles of a Switched Reluctance Motor", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 31, No.4, ISSN 0254-7821 pp. 795 - 798, October, 2012
3. A.P. Memon, M.A. Uqaili, and Z.A. Memon, "Wavelet Transform and ANNs for Detection and Classification of Power Signal Disturbances", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 31, No.4, ISSN 0254-7821 pp. 755 - 768, October, 2012
4. A.P. Memon, M.A. Uqaili, and Z.A. Memon, "Design of FNN AVR for Enhancement of Power System Stability Using Matlab/Simulink", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 31, Number 3, ISSN 0254-7821 pp. 529 - 536, July, 2012
5. Z.A. Memon, M.A. Uqaili, and M.A. Unar, "Design of Three-Phase Hybrid Active Power Filter for Compensating the Harmonic Currents of Three-Phase System", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 31, Number 2, ISSN 0254-7821 pp. 347 - 354, April, 2012
6. Z.A. Memon, M.A. Uqaili, and M.A. Unar, "Harmonics Mitigation of Industrial Power System Using Passive Filters", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 31, Number 2, ISSN 0254-7821 pp. 355 - 360, April, 2012

7. M.A. Soomro, M.A. Uqaili, and Z.A. Memon, "A Novel Method for the Current Harmonic Elimination of Industrial Power System Using Single Tuned Shunt Passive Filter", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 31, Number 1, ISSN 0254-7821 pp. 101 - 106, January, 2012
8. S. Aziz, Shah F.A., Soomro S.A., Memon R.A., Uqaili M.A., Memon H.R., Shaikh G.Y. and M.I. Rajoka, "Effect of Nitrogen of Ethanol Production from Black Strap Molasses As Renewable Energy Source", Science International (Lahore), 23 (3), 217-222,2011, ISSN 1013-5316; CODEN: SINTE 8.
9. Memon Z.A., Uqaili, M. A. and Soomro M.A., "Experimental Analysis of Harmonic Mitigation Effects on Three Phase Six Pulse Converter by Using |Shunt Passive Filter", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 30, Number 4, pp. 653 - 656, October, 2011
10. Memon R.A., Uqaili, M. A. and Hashmani A.A., "Design Of Delayed-Input Wide Area Power System Stabilizer For Mode Selective Damping Of Power System Electrometrical Oscillation", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 30, Number 2, pp. 289 - 296, April, 2011.
11. Memon R.A., Uqaili, M. A. and Hashmani A.A., "Modeling the Effect of Wider Canyons on Urban heating", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 30, Number 2, pp. 255 - 264, April, 2011.
12. Hashmani A.A., Uqaili, M. A. and Memon R.A., "Mode Selective Damping of Electromechanical Oscillations Using Supplementary Remote Signals and Design of Delay Compensator", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 30, Number 1, pp. 117 - 124, January, 2011.
13. Mahar M.A., Uqaili, M. A. and Larik S.A., "Harmonic Analysis of AC-DC Topologies and their Impacts on Power Systems". Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 30, Number 1, pp. 173 - 178, January, 2011.
14. Mahar M.A., Uqaili, M. A. and Larik S.A., "Controller Design of Buck dc/ac Converter Using Neural Networks". Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 29, Number 1, pp. 163 - 168, January, 2010.
15. Khoumbati, K. Uqaili, M .A and Kalhor, M.S. (2007) "Evaluating the adoption of Enterprise Application Integration in Healthcare Organisations: An Exploratory Case Study ", Mehran University Research Journal of Engineering & Technology 26 (2): pp. 117-132, [ISSN 0254-7821]
16. Uqaili, M. A., Harijan, K., and Memon, H. R., "Natural Gas Consumption Patterns and Demand Projections for Pakistan", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, Vol. 24, Number 4, pp. 297 - 304, October, 2005.
17. Uqaili, M.A., Memon, M.D., and Harijan, K., "Oil Consumption Trends and Demand Projections for Pakistan", Mehran University Research Journal of Engineering and Technology, Vol. 24, No. 3, pp.243-250, Jamshoro, Pakistan, July 2005.
18. Harijan. K., Uqaili M. A., Memon M. D., and Menghwar, S. M., "Availability and Utilization Prospects of Renewable Energy Sources for Rural Electrification in Pakistan", Biannual Research Journal, Grassroots, Vol. No. XXXIII, 2004-2005, pp.95-109, Pakistan Study Centre, University of Sindh, Jamshoro, Pakistan, June 2005.
19. Uqaili, M.A., Memon, M.D., and Harijan, K., "Potential, Utilization and Demand Projections of Coal in Pakistan", Mehran University Research Journal of Engineering and Technology, Vol. 24, No. 1, pp.63-74, Jamshoro, Pakistan, January, 2005.
20. Uqaili, M.A., Harijan, K., and Samo, S.R., "Commercial Energy Consumption Trends and Demand Projections for Pakistan", Quaid-e-Awam University Research Journal of Engineering, Science & Technology, Vol.5, No.2, pp., 1-8, Nawabshah, Sindh, Pakistan, July-December, 2004.
21. Harijan, K., Uqaili, M. A., and Memon, M. D., "Estimation of the Potential of Biogas Production from Livestock Residue in Pakistan" Mehran University Research Journal of Engineering and Technology, Vol. 23, No. 4, pp.257-266, Jamshoro, Pakistan, October, 2004.
22. Uqaili, M. A., Mirani, M., and Harijan, K., "Hydel Power Generation in Pakistan: Past Trends, Current Status and Future Projections", Mehran University Research Journal of Engineering and Technology, Vol. 23, No. 3, pp. 207-216, Jamshoro, Pakistan, July, 2004.
23. Mirani, M., Uqaili, M. A., and Baloch, B. H., "Analysis of Electric Safety Situation in HESCO", Mehran University Research Journal of Engineering and Technology, Vol. 23, No. 3, pp. 217-224, Jamshoro, Pakistan, July, 2004.
24. Harijan, K., Uqaili, M. A., and Mirani, M., "Stress Corrosion Cracking Prevention Using Solar Electricity", Quaid-e-Awam University Research Journal of Engineering, Science & Technology, Vol.5, No.1, pp.27-36, Nawabshah, Sindh, Pakistan, January-June, 2004.
25. Uqaili, M. A., Harijan, K., and Mirani, M., "Demand Projections and Supply Options for Power Generation in Pakistan", Mehran University Research Journal of Engineering and Technology, Vol. 22, No. 4, pp. 233-242, Jamshoro, Pakistan, October, 2003.

26. Uqaili, M. A., Memon, M. D., and Mirani, M., "Variation in the loads of Multi State Appliances with changes in Operating Conditions", Mehran University Research Journal of Engineering and technology, Jamshoro, Vol. 21. No. 3. July 2002.
27. Memon, M.D., and Uqaili, M. A., "Computation of Fluid Flow and Heat Transfer in Sealed Rotating Cavity" Mehran University Research Journal of Engineering and technology, Jamshoro, Vol. 21. No. 2. April 2002.
28. Uqaili, M. A., Mirani, M., and Qureshi, S., "Improving the Effectiveness of DSM Programs, A New Approach to Customer Segmentation", Quaid-e Awam University Research Journal of Engineering, Science and Technology, Nawabshah, Vol.2 No.1, Jan-December 2001.
29. Unar, M. A., Uqaili, M. A., and Ansari, A. S., "Multi-layer Perceptron Network for Ship Steering Control" Mehran University Research Journal of Engineering and technology, Jamshoro, Vol. 19. No. 2. April 2000.
30. Qureshi, S., and Uqaili, M. A., "Matching DSM technologies and Policies with Customer needs", Scientific Sindh, Annual Journal of Research, Volume 05. 1998.
31. Burdi, M. K., Memon, S. A., and Uqaili, M. A., "Design and Performance of Power System Fault Locator", Mehran University Research Journal of Engineering and Technology, Jamshoro, Vol. 16. No. 2. April 1997.
32. Qureshi, S., and Uqaili, M. A., "Energy Management, A Customer Focus", Scientific Sindh, Annual Journal of Research, Volume 04. 1997.
33. Mastoi, F. H., Uqaili, M. A., and Memon, S. A., "Electrical Power from Ocean Waves", Journal of Engineering and Applied Sciences, Peshawar, Vol. 14, No. Jan. - Jun. 1995.

Research Papers in International Conference Proceedings

1. Khatri Z., Brohi K.M., Uqaili M.A., and Shaikh G.Y, Effective colour measurement for textile coloration - An instrumental way towards perfection, 2nd International Conference IEOM 2011, January 22 - 24, 2011 in Kuala Lumpur, Malaysia.
2. Shaikh G. Y., Khatri Z., Mari H.B. and Uqaili M.A., An Investigation in to the AMT Implemented Systems in Manufacturing Enterprises of Pakistan, Conference proceedings, 2nd International Conference on Industrial Engineering and Operations Management (IEOM 2011), January 22 - 24, 2011 in Kuala Lumpur, Malaysia.
3. Khanji Harijan, Uqaili M.A., "Estimation of Hydrogen Production from Wind Energy in Pakistan", Proceedings, 10th International Conference on Clean Energy (ICCE-2010), Famagusta, North Cyprus, 15-17 September, 2010.
4. Raza. H. Leghari, Uqaili M.A. and Khanji Hrijan, "Exploiting the Potential of Tidal Energy in Pakistan", Proceedings, 10th International Conference on Clean Energy (ICCE-2010), Famagusta, North Cyprus, 15-17 September, 2010.
5. Valasai, G. D., Uqaili, M. A., and Memon, H.R., "Demand of electricity in the commercial sector of Pakistan", presented in the The Third International Conference on Energy and Environment (ICEE2009), organized by Universiti Tenaga Nasional (UNITEN), Malaysia from 7 to 8 December, 2009.
6. Leghari, R. H., Uqaili, M. A., and Harijan, K., "Assessing the Tidal Power Generation Technologies", Proceedings, First International Conference on Energy, Environment and Sustainable Development for Growing Economies, Mehran University of Engineering & Technology, Jamshoro, Pakistan, May 4-6, 2009
7. Abro, R. S., Uqaili, M. A., Harijan, K., Kumar, S., and Yaseen, M., "Socio-Economic and Socio-Cultural Change after Light through Solar Home Systems at District Tharparkar", Proceedings, First International Conference on Energy, Environment and Sustainable Development for Growing Economies, Mehran University of Engineering & Technology, Jamshoro, Pakistan, May 4-6, 2009.
8. Abro, R. S., Uqaili, M. A., Kumar, S., Yaseen, M., and Harijan, K., "Problem, procedure & lesson learn in rural electrification project through solar home system at Tharparker", Proceedings, First International Conference on Energy, Environment and Sustainable Development for Growing Economies, Mehran University of Engineering & Technology, Jamshoro, Pakistan, May 4-6 2009
9. Valasai, G. D., Uqaili, M. A., Memon, H.R., and Harijan K. "Electricity Demand Forecast in the Agricultural & Services Sector of Pakistan", 1st International Conference on Energy, Environment, and Sustainable Development for Growing Economies (EESD2009), Mehran University of Engineering and Technology, Jamshoro, Pakistan, May 04 - 06 May, 2009.
10. Memon, M.D., Harijan, K., and Uqaili, M.A., "Assessment of Wood Fuel Production Potential in Pakistan", Proceedings, World Renewable Energy Congress-X, Glasgow, Scotland, UK, July 19-25, 2008. ISBN 978 008 056 8973, published by Elsevier Science Ltd
11. Harijan, K., Uqaili, M. A., and Memon, M.D., "Potential of Bagasse Based Cogeneration in Pakistan", Proceedings, World Renewable Energy Congress-X, Glasgow, Scotland, UK, July 19-25, 2008. ISBN 978 008 056 8973, published by Elsevier Science Ltd.

12. Uqaili, M.A., Harijan, K., and Memon, M.D., "Assessment of Solar PV Power Generation Cost in Pakistan", Proceedings, World Renewable Energy Congress-X, Glasgow, Scotland, UK, July 19-25, 2008. ISBN 978 008 056 8973, published by Elsevier Science Ltd.
13. Harijan, K., Uqaili, M. A., and Memon, M.D., "Renewable Energy for Managing Energy Crises in Pakistan", Paper Presented at the International Multi Topic Conference (IMTIC '08) Jointly Organized By Mehran University of Engineering & Technology, Pakistan and Aalborg University Esbjerg, Denmark, at Mehran University of Engineering & Technology, Jamshoro, Pakistan, April 11-12, 2008.
14. Valasai, G. D., Uqaili, M. A., Memon, H.R., "Heavy Reliance on Thermal Power and Potential of Renewable Energy Sources for Pakistan" Paper presented at the Energex 2007, the 12th International Conference and Exhibition, Suntec Convention Center, Singapore, 26-30 November, 2007.
15. Uqaili, M.A., Harijan, K., and Memon, M.D., "Potential of Hydrogen Production from Wind Energy in Sindh, Pakistan", Proc. International Conference on Engineering Technology (ICET2007), University Kuala Lumpur, Kuala Lumpur, Malaysia, December 11-13, 2007.
16. Memon, M.D., Harijan, K., and Uqaili, M.A., "Potential of Solar Home Systems in Pakistan", Proc. International Conference on Engineering Technology (ICET2007), University Kuala Lumpur, Kuala Lumpur, Malaysia, December 11-13, 2007.
17. Uqaili, M. A., Harijan, K., and Memon, M.D., "Potential of Solar Hydrogen Production for Energy Supply in the Transport Sector of Pakistan", Proceedings, Second International Conference, Environmentally Sustainable Development ESDev-2007, Abbottabad, Pakistan, August 26-28, 2007.
18. Memon, M.D., Harijan, K., and Uqaili, M.A., "The Role of Ethanol in Meeting Energy Demand of Transport Sector in Pakistan", Proceedings, Second International Conference, Environmentally Sustainable Development, Abbottabad, Pakistan, August 26-28, 2007.
19. Brohi, K.M., Harijan, K., Uqaili, M. A., and Memon, M. D., "Renewable Fuel Alternatives for Transport Sector in Pakistan", International Conference Renewable Energy for Sustainable Development in the Asia Pacific Region, 04-08 February 2007, at the Esplanade Hotel, Fremantle, Australia.
20. Harijan, K., Uqaili, M. A., Memon, M. D., and Brohi, K.M., "Potential of Ethanol Fuel Production and Utilization in Pakistan", Proceedings, Third International Mechanical Engineering Congress (TIMEC- 2006), Institution of Engineers Pakistan (IEP), Karachi, Pakistan, pp. 129-133, March 20-21, 2006.
21. Memon, H.R., Uqaili, M. A., Valasai, G. D. and, and Panhwar, M.I., "Analysis of the Power Generation Energy Sources in Pakistan", paper presented and published in the proceedings of the International Conference on Environment (ICENV 2006), Grand Plaza Parkroyal, Batu Ferringhi, Penang, Malaysia, 13-15 November 2006.
22. Harijan, K., Memon, M. D., and Uqaili, M. A., "Reducing Dependence on Kerosene for Lighting Using Renewables in Rural Areas of Pakistan", Proceedings, Third International Mechanical Engineering Congress (TIMEC- 2006), Institution of Engineers Pakistan (IEP), Pakistan, Karachi, pp.01-08, March 20-21, 2006.
23. Harijan, K., Uqaili, M. A., Memon, M. D. and Mirza, U.K., "Potential of Centralized Grid Connected Wind Power in Coastal Area of Sindh, Pakistan", Proceedings, World Renewable Energy Congress-IX, Florence, Italy, August 19-25, 2006. ISBN 008 44671 X, published by Elsevier Science Ltd.
24. Uqaili, M. A., Harijan, K., Memon, M. D. and Mirza, U.K., "Potential of Solar Energy for Cooking in Rural Areas of Pakistan", Proceedings, World Renewable Energy Congress-IX, Florence, Italy, August 19-25, 2006. ISBN 008 44671 X, published by Elsevier Science Ltd.
25. Memon, M. D., Harijan, K., Uqaili, M. A., and Mirza, U.K., "Potential of Crop Residues as Energy Source in Pakistan", Proceedings, World Renewable Energy Congress-IX, Florence, Italy, August 19-25, 2006. ISBN 008 44671 X, published by Elsevier Science Ltd.
26. Uqaili M. A., Valasai, G. D., and Memon, H. R., "Increasing Demand of Electricity and Role of Coal in Developing Countries", Proceedings, International Conference on Environmental Management, Vol.1, pp. 38-44, Jawaharlal Nehru Technical University, Hyderabad, India, October 28-30, 2005.
27. Brohi, K. M., Uqaili M. A., Samo, S.R., and Baloch, B. A., "Environmental Problems Related with New Road Network in Pakistan and Implementation of Policies", Proceedings, International Conference on Environmental Management, Vol.2, pp. 112-119, Jawaharlal Nehru Technical University, Hyderabad, India, October 28-30, 2005.
28. Uqaili M. A., Harijan, K., Memon, M. D., and Panhwar, M. I., "Controlling the Indoor Air Pollution due to Biomass Consumption in the Rural Household Sector of Pakistan", Proceedings, International Conference on Environmental Management, Vol.3, pp. 239-243, Jawaharlal Nehru Technical University, Hyderabad, India, October 28-30, 2005.
29. Harijan. K., Uqaili M. A., and Memon M. D., "Environmental Benefits of Power Generation from Renewable Energy Sources in Pakistan", Proceedings, International Conference on

- Environmental Management, Vol.1, pp. 45-52, Jawaharlal Nehru Technical University, Hyderabad, India, October 28-30, 2005.
30. Uqaili, M. A., Valasai, G. D., and Memon, H.R., "Meeting Electricity Demand through Coal Based Power Generation in Pakistan", Paper presented at Third Pakistan Oil, Gas & Energy Exhibition and Conference, 19 - 21 May, 2005, Expo Center, Karachi.
 31. Uqaili, M. A., Valasai, G. D., and Memon, H.R., "Meeting Power Generation choices for Pakistan in presence of diminishing fuel resources and environmental constraints", presented at International Conference on Environmental Horizons, December 19 - 21, 2005, University of Karachi, Karachi.
 32. Memon, M.D., Uqaili M. A., and Harijan. K., "Prospects of Renewables for Cooking and Heating in the Rural Household Sector of Pakistan", International Conference on Environmental Horizons, Department of Chemistry, University of Karachi, Karachi, Pakistan, December 19-21, 2005.
 33. I B Naqvi, H Rehman, MA Uqaili, "Complex Software Systems an assessment of risks" 1st International Conference on Information and Communication Technologies, August, 2005
 34. Uqaili M. A., Harijan. K., and Memon, M.D., "Supply Side Energy Management for Sustainable Energy Development in Pakistan", Proceedings, First International Conference, Environmentally Sustainable Development - ESDev-2005, Abbottabad, Pakistan, Vol.3, pp.1853-1862, June 26-28, 2005.
 35. Harijan. K., Uqaili M. A., and Memon, M.D., "Assessment of Air Pollution Emissions and Evaluation of Renewable Energy Utilization as Mitigation Option - Power Generation Sector of Pakistan", Proceedings, First International Conference, Environmentally Sustainable Development - ESDev-2005, Abbottabad, Pakistan, Vol.1, pp.389-396, June 26-28, 2005.
 36. Harijan, K., Memon, M.D., and Uqaili M.A., "Renewable Energy and Environmentally Sustainable Development in Pakistan", Proceedings, First International Conference, Environmentally Sustainable Development - ESDev-2005, Abbottabad, Pakistan, Vol.3, pp.1707-1716, June 26-28, 2005.
 37. Valasai, G. D., Uqaili, M. A., Memon, H.R., and Khanji Harijan, "Impact of Greenhouse Gases on Agricultural Productivity in Pakistan", paper published in the proceedings of the First International Conference on Environmentally Sustainable Development, ESDev - 2005, 26 - 28 June, 2005, Abbottabad.
 38. Abro Q.M., Uqaili, M. A. and Memon, H.R., "A global study of Undergraduate Environment Programs", paper published in the proceedings of the First International Conference on Environmentally Sustainable Development, ESDev - 2005, 26 - 28 June, 2005, Abbottabad.
 39. Brohi K.M., Uqaili, M. A. and Harijan K., "Economic & environmental impact analysis of new road network project, connecting the inland Metropolitan cities with port city of Karachi in Pakistan", paper published in the proceedings of the First International Conference on Environmentally Sustainable Development, ESDev - 2005, 26 - 28 June, 2005, Abbottabad.
 40. Memon H.R., Uqaili M. A., Memon A.M., Ghouri B.M., and Harijan K., "Assessment of Ozone Layer status over Pakistan", Proceedings, First International Conference, Environmentally Sustainable Development - ESDev-2005, Abbottabad, Pakistan, Vol.1, pp.389-396, June 26-28, 2005.
 41. Harijan. K., Uqaili M. A., and Memon, M.D., "Potential of Non Conventional Power Generation Energy Sources in Pakistan", Proceedings, 5th International R&D Conference, Bangalore, India, 15-18 February, 2005.
 42. Uqaili M. A., Harijan. K., Mirani, M. and Memon M. D., "Renewable Energy Technologies for Rural Electrification in Pakistan: Status and Prospects", Proceedings, Electric Supply Industry in Transition: Issues and Prospects for Asia; An International Conference, AIT, Thailand, 14-16 January, 2004.
 43. Uqaili M. A., Harijan. K., and Mirani, M., "Indigenous Energy Source Diversification Options for Power Generation in Pakistan", Proceedings, Electric Supply Industry in Transition: Issues and Prospects for Asia; An International Conference, AIT, Thailand, 14-16 January 2004.
 44. Uqaili, M. A., Harijan, K., Mirani, M., Memon, M. D., and Meghwar, S., "Energy Options for Electrical Power Generation in Pakistan", Proceedings, Second International Mechanical Engineering Congress, Karachi, 26-28 October, 2003.

Research Papers in National Conference Proceedings

1. Shah, M. A., Harijan, K., and Uqaili, M.A., "Exploitation of Thar Coal for Meeting Energy Demand in Pakistan", Paper Presented at Interactive Seminar on "The Energy Crises in Pakistan - Power Generation from Coal - A Major Option", Organized by Institution of Engineers Pakistan, Karachi Centre in Collaboration with The Federation of Pakistan Chamber of Commerce & Industry, Karachi, April 24, 2008.
2. Harijan, K., Uqaili, M. A., and Memon, M. D., "Potential of Centralized Grid Connected Electricity Generation from Solar Energy in Pakistan", Proceedings, Second National Conference on "Energy and Environment: Issues, Concerns and Options", Department of Energy and

Environment Engineering, Quaid-E-Awam University of Engineering, Sciences and Technology, Nawabshah, pp. 23-29, March 27-29, 2008.

3. Hashmani, A. A., Uqaili, M. A., and Abro, M. R., "A Thyristor Controlled Phase Shifter Controller for Treatment Stability Enhancement in Power Systems", Mehran University Research Journal of Engineering and Technology, Jamshoro, Pakistan, April, 2005.
4. Uqaili, M.A., Shah, M.A. and Harijan, K., "Potential of Thar Coal for Meeting Growing Power Demand in Pakistan", National Conference on Fossil Fuels and Mineral Resources of Sindh, Department of Geology, University of Sindh, Jamshoro, Pakistan, February 28 - March 1, 2005.
5. Uqaili, M.A., Memon, M.D., Memon, H.R., and Harijan, K., "Prospects of Indigenous Coal Utilization with Clean Coal Technologies in Pakistan", National Conference on Fossil Fuels and Mineral Resources of Sindh, Department of Geology, University of Sindh, Jamshoro, Pakistan, February 28 - March 1, 2005.
6. Uqaili, M.A., Harijan, K., and Memon, M.D., "Fossil Fuel Consumption in Pakistan: Environmental Problems and Possible Solutions", Conference on Renewable Energy Sector, Ministry of Environment, Government of Pakistan, Islamabad, Pakistan, February 1-2, 2005.
7. Uqaili, M. A., Rajput, A., Q., and Memon, H. M., "Impact of Quality Management System on MUET, Jamshoro", Second Pakistan Quality Conference, Sheraton, Karachi, October, 2003.

Annex-I

PhD and ME Students Produced

i. PhD Students List

S.	Name of the Candidate	Title of Thesis	Year
1	Mr. Mohammad Anwar Solangi s/o Ghulam Hyder Solangi	Sinite elements modeling of blood flow relevance to athro sclerosis	2012
2	Mr. Zubair Ahmed Memon s/o Ghulam Mustafa Memon	Estimation of compensation current reference using fuzzy logic controller for three-phase Hybird active power filter	2012
3	Mr. Sohail Ahmed Soomro s/o Dhani Bux Soomro	'Energy Recovery from MSW Incineration and its Impact on the Environment'.	2012
4	Mr. Mukhtiar Ahmed S/o Muhammad Azeem Mahar	"Analysis and Design of Neural Network Controller of Single active Bridge Converter."	2010
5	Mr. Abdul Sattar Larik S/o Rasool Bux Larik	"Analysis and Control of Dual Active Bridge DC Converter Topologies."	2009
6	Mr. Khanji S/o Naga Ram Harijan	"Modeling and Analysis of the Potential Demand for Renewable Sources of Energy in Pakistan."	2008