



Prof. Dr. Asif Ali Shah

(HEC Approved Supervisor)

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PERSONAL

Father's Name : Allah Dino Shah
N.I.C : 41306-2445949-9
Date of Birth : 07.09.1976
Domicile : Hyderabad Sindh Pakistan
Designation : **Professor (BPS-21)**
 Mehran University Institute of Science, Technology and Development
 (MUISTD), Jamshoro.

EDUCATION

Ph.D (Science & Technology Policy)	2014
Mehran University Institute of Science, Technology and Development (MUISTD), Jamshoro.	
• M.Sc – Physics, 1st class , Sindh University, Jamshoro.	1998
• B.Sc (H) – Physics, 1st class , Sindh University, Jamshoro.	1997
• H.Sc– II Pre-Engineering, 1st class , Model School Hyderabad.	1994
• S.Sc – II Science, 1st class , Model School Hyderabad.	1992

ADDITIONAL EDUCATION

QUALITY ASSURANCE

ISO-17025 Quality Assurance Certificate, ISO 9001-2015 Internal Auditor Course.

COMPUTERS

- One year diploma in Computer Science, Hi-tech Hyderabad.
- Eight weeks Computer Data Entry Operators training, Ministry of Science & Technology, Islamabad.
- Certificate in Linux System Administration, Pakistan Computer Bureau (PCB), Islamabad.

MANAGEMENT

- Certificate in Human Resource Management (HRM), Skill Development Council, Karachi.

PROFESSIONAL EXPERIENCE

Professor (BPS-21)

Mehran University Institute of Science, Technology & Development (MUISTD) Jamshoro, Pakistan.

w.e.f. 24.02.2022 to date

Teaching & Research

Associate Professor (BPS-20)

Mehran University Institute of Science, Technology & Development (MUISTD) Jamshoro, Pakistan.

w.e.f. 14-12-2018 to 23.02.2022

Teaching & Research

Assistant Professor (BPS-19)

Mehran University Institute of Science, Technology & Development (MUISTD) Jamshoro, Pakistan.

w.e.f. 06.01.2015 to 13-12-2018

Teaching & Research

Deputy Director (BPS-18), (Quality Enhancement Cell)

Sindh Agriculture University, Tandojam.

w.e.f 08.06.2007 to 05.01.2015

Quality Assurance in Higher Education

Scientific Officer (BPS-17)

Pakistan Council of Scientific & Industrial Research (PCSIR.), Karachi

w.e.f 24.07.2002 to 07.06.2007

Diffusion of Solar Thermal Technologies, Calibration of Scientific Equipment, Implementation of ISO-17025.

ADMINISTRATIVE RESPONSIBILITIES

Additional Director (Quality Enhancement Cell)

Mehran University Engineering & Technology
Jamshoro, Pakistan.

W.e.f. 06.01.2015 to date

Member of Committees

- Institutes' Board of Studies
- Institutes' Ph.D STIP Admission Committee
- Technical Committee PCSIR Laboratories Hyderabad.
- Institutes' OBE Implementation Committee

PUBLICATIONS

01.	Shah, A. A. , Qureshi, S. M., Bhutto, A., & Shah, A. (2011). Sustainable development through renewable energy—the fundamental policy dilemmas of Pakistan. <i>Renewable and Sustainable Energy Reviews</i> , 15(1), 861-865. (HEC Recognized Journal in Category “W”)
02.	Shah, A. A. , Rashidi, R. S., Bhutto, A., & Shah, A. (2011). The real-life scenario for diffusion of renewable energy technologies (RETs) in Pakistan—Lessons learned through the pilot field study under physical community. <i>Renewable and Sustainable Energy Reviews</i> , 15(5), 2210-2213. (HEC Recognized Journal in Category “W”)
03.	Shah, A. A. , Bhutto, A., & Memon, Z. A. (2016). Solar thermal technologies dynamics and strategies for market creation in Sindh. <i>Mehran University Research Journal of Engineering and Technology</i> , 35(1), 111-120. (HEC Recognized Journal in Category “Y”).
04.	Shah, A. A. (2016). Implementation of ICT in Secondary Education: A Case Study of District Ghotki, Sindh. <i>NICE Research Journal</i> , 9 (June-December), 60-73. (HEC Recognized Journal in Category “Y”).
05.	Jahangir, M. N., & Shah, A. A. (2016). Tracing ICT innovation ecosystem of Pakistan. <i>Bahria University Journal of Information & Communication Technologies (BUJICT)</i> , 9(2), 46-52. (HEC Recognized Journal in Category “Y”) (Valid upto 30th June, 2018).
06.	Shaikh, S., Memon, Z. A., & Shah, A. A. (2017). Adoption and impact of quality assurance processes in higher education institutions of jamshoro education city. <i>Grassroots</i> , 50(3), 220-235. (HEC Recognized Journal in Category “Y”).
07.	Shah, A.A. , Ambreen, S., Shafaq, S., & Memon, Z. (2017). Identification of Hurdles in Establishing Technological Innovation System (TIS) for Solar Thermal Technologies (STTs) in Sindh. <i>Sindh University Research Journal-SURJ (Science Series)</i> , 49(2), 323-328. (HEC Recognized Journal in Category “Y”).
08.	Abro, M. M. Q., Memon, Z. A., Shah, A. A. , & Naqvi, I. B. (2017). Antecedents of Enterprise Resource Planning and its Impact on Firm Performance with Supply Chain Integration as Mediating factor. <i>Mehran University Research Journal of Engineering and Technology</i> , 36(2), 407-418. (HEC Recognized Journal in Category “Y”).
09.	Shah, S. S., Afroz, H., & Shah, A. A. (2017). The Conventional and Islamic Banking: A Socioeconomic Perspective. <i>The Government-Annual Research Journal of Political Science.</i> , 5(5), 35-48. (HEC Recognized Journal in Category “Y”).
10.	Shah, S. S., Shah, A. A. , Pathan, S. K., & Ansari, K. (2017). The Consideration of Motivational Aspects to Boost Women Entrepreneurship. <i>The Women-Annual Research Journal of Gender Studies</i> , 9(9), 1-12. (HEC Recognized Journal in Category “Y”).
11.	Memon, F., Shah, S. S., & Shah, A. A. (2017). Employee resistance to organizational change: A case study of mobilink. <i>Grassroots</i> , 51(1), 128-142. (HEC Recognized Journal in Category “Y”).
12.	Siddiqui, A., Panhwar, U., & Shah, A. A. (2017). A case study on leadership in a school organization. <i>International Research Journal of Arts & Humanities (IRJAH)</i> , 45(45), 119-124. (HEC Recognized Journal in Category “Y”).

13	Panhwar, A. H., Ansari, S., & Shah, A. A. (2017). Post-positivism: An effective paradigm for social and educational research. <i>International Research Journal of Arts & Humanities (IRJAH)</i> , 45(45), 253-260. (HEC Recognized Journal in Category “Y”).
14	Shah, A. A. (2017). Identification of strengths and barriers among Pakistani SMEs: A financial management viewpoint. <i>NICE Research Journal</i> , 10(1), 110-120. (HEC Recognized Journal in Category “Y”).
15	Shah, A. A. , Memon, Z. A., Shafaq, S., Shah, A., & Sethar, W. (2017). Renewable Energy Technologies Diffusion in Sindh: An Overview. <i>Mehran University Research Journal of Engineering and Technology</i> , 36(3), 673-680. (HEC Recognized Journal in Category “Y”).
16	Ali, A., Abro, M. M. Q., & Shah, A. A. (2017). Identification of key issues for technical Education Downfall in Sindh. <i>New Horizons</i> , 11(2), 61-110. (HEC Recognized Journal in Category “Y”).
17.	Shah, A.A. , Ambreen, S., Shafaq, S. and Memon, Z., 2017. Tracing the Functional Dynamics of Technological Innovation System (TIS) for Solar Thermal Technologies (STTs) in Sindh. <i>Sindh University Research Journal-SURJ (Science Series)</i> , 49(3), 669-672. (HEC Recognized Journal in Category “Y”).
18	Akhund, S., Rashdi, P. I. S., Shah, A. A. , & Shafaq, S. (2017). Adopting customer relationship management (CRM) practices in higher education institutions (HEI): Case study of MUET, Jamshoro. <i>Journal of Quality and Technology Management</i> , 14(II), 75-91. (HEC Recognized Journal in Category “X” Valid Till December, 2017).
19	Shah, S. S., Shah, A. A. , & Khaskhelly, N. (2018). Service quality, customer satisfaction and customer loyalty: some evidences from Pakistani banking sector. <i>Grassroots</i> , 51(2), 229-239. (HEC Recognized Journal in Category “Y”).
20	Shah, S. S., Shah, A. A. , & Pathan, S. K. (2017). The relationship of perceived leadership styles of department heads to job satisfaction and job performance of faculty members. <i>Journal of Business Strategies</i> , 11(2),35-56. (HEC Recognized Journal in Category “Z”) (Valid Till 30th June, 2020).
21	Abro, A. M., Shah, A. A. , & Shah, S. S. (2018). The Nexus Between Co-Curricular activities and Academic Performance: A Case Study of Higher Secondary Schools of Kamber, Shahdadkot. <i>New Horizons</i> , 12(2), 34-43. (HEC Recognized Journal in Category “Y”).
22	Channar, S., Ali, N., Shah, A.A. , Shaikh, I., Khaskheli, H., & Brohi, I. (2018). Evaluation of Research Problems faced by Postgraduate female Students at Universities of Jamshoro: A Pareto and Mean Graph Analysis. <i>Sindh University Research Journal (Science Series)</i> , 50(3D), 170-176. (HEC Recognized Journal in Category “Y”).
23.	Shah, S. S., Shah, A. A. , & Khaskhelly, N. (2019). Pragmatism research paradigm: a philosophical framework of advocating methodological pluralism in social science research. <i>Grassroots</i> , 52(1), 90-101. (HEC Recognized Journal in Category “Y”).
24.	Shah, S.S, Shah, A.A , Memon, F., Atika. K. & Soomro, A. (2021). Online learning during the COVID-19 pandemic: Applying the self-determination theory in the ‘new normal’. <i>Revista de Psicodidáctica (English ed.)</i> . 26 (2), 168-177 (HEC Recognized Journal in Category “W”).
25.	Shah, S.S, Shah, A.A , Bano, A. (2021). Effective leadership conceptualization in Higher Education. <i>Sukkar IBA Journal of Management and Business</i> , 8 (1), 1-14. (HEC Recognized Journal in Category “Y”)
26	Sajjad, H, Abbasi, M.S & Shah, A.A (2021). The impact of Organization Climate Factors: Human Reactions and Openness on Public Service Motivations Factors: Compensation & Self Sacrifice: An Analytical Perspective of Health Sector Sindh, <i>Grassroots</i> , 55, (2), 87-102. Accepted (HEC Recognized Journal in Category “Y”).
27.	Shah, S. S., Memon, F. A., Qureshi, F., Soomro, A. B., Kemal, A. A., & Shah, A. A. (2022). Mental well-being during COVID-19 pandemic: the role of fear, social isolation and psychological resilience. <i>Cogent Psychology</i> , 9(1), 2006993. Impact Factor: 1.05

b) Books

Book Chapter

Renewable Energy Scenario of Pakistan for Sustainable Development

Asif A Shah, Arabella Bhutto, S.M.Qureshi, Ambreen Shah, AA Shah & Wajiha Shah,

In Sustainable Practices: Concepts, Methodologies, Tools and Applications, IGI Global, USA,2014

c) Contributions to conference proceedings:

i. International Conferences Held Abroad

- (a) Drying of Food by using Alternate Energy
World Conference on Physics for Sustainable Development, **South Africa, November 2005**.
Available online @ [http:// www.wcpsd.org/poster/environment/shah.pdf](http://www.wcpsd.org/poster/environment/shah.pdf)
- (b) Adoption of Quality Culture- A Case Study of Mehran University of Engineering & Technology, Jamshoro
IEEE Global Humanitarian Technology Conference (GHTC-2017), San Jose, USA.
Available online @ <http://www.ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=8215842>
- (c) Contributions of post-harvesting technologies in alleviating poverty: A case study of date palm cluster in
Khairpur district, Sindh, Pakistan
IEEE Global Humanitarian Technology Conference (GHTC-2017), San Jose, USA.
Available online @ <http://www.ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=8215842>
- (d) E-Government Identification to Accomplish Sustainable Development Goals (UN 2030 Agenda) A Case Study
of Pakistan
IEEE Global Humanitarian Technology Conference (GHTC-2108), San Jose, USA.
Available online @ <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8601890>

ii) International Conferences Held in Pakistan

- (a) Path for Sustainable Development in Pakistan: Role of Technical Educations Institutions. International
Seminar on the Contribution of TVET for Sustainable Development with Implication for TVET
Teachers' Education, NISTE, **Islamabad**. December, 2009.
- (b) Quality Enhancement Cells (QECs)- A teacher Perspective”
International Conference on Food, Agriculture and Livestock Sindh Agriculture University
Tandojam- Pakistan - 25-26 February 2015.
- (c) Adoption and impact of Quality System Procedures (QSPs) at SAU-Tandojam
International Conference on Food, Agriculture and Livestock Sindh Agriculture University
Tandojam- Pakistan - 25-26 February 2015.

iii) Presented in National and International Conferences, Seminars, Workshops, Symposia etc but not published in the Proceedings

- (b) Strategies for Poverty Reduction through Tourism Development”
Tourism Department, Govt. of Sindh “Research Competitions 2010”
- (c) Adoption of Quality Assurance Practices in MUET-Jamshoro
Oral/Poster Presentations: 2017 1st LUMHS National conference on quality education, March 9th to
10th 2017, QCON, 17, LUMHS-Jamshoro.

d) Internal Reports & Research Thesis

Compiled many internal reports while working at PCSIR and Sindh Agriculture university, Tandojam including a thesis entitled **“Study of Micro-Techno Economic Dynamics for Poverty Alleviation in Sindh”** Submitted for partial fulfillment of the requirement for the degree of **Ph.D in Science and Technology Policy**, Mehran University Institute of Science & Technology Development, Jamshoro,

Workshop/Conferences

International

- **“Designing Sustainable Energy System”** held on 18 Oct-05 Nov 2004 Organized by Abdus Salam International Centre of Theoretical Physics (ICTP), **Trieste, Italy**.
- **“World Conference on Physics for sustainable Development”** held on Oct 31- 02 Nov 2005 organized by South African Institute of Physics, **Durban, South Africa**.
- **ISPST 2009**, Iran Polymer and Petrochemical Institute, **Tehran, Iran**.
- **“Joint ICTP-IAEA Workshop on Sustainable Energy Development: Pathways and Strategies after Rio+20”** held on 01-05 Oct 2012 Organized by Abdus Salam International Centre of Theoretical Physics (ICTP), **Trieste, Italy**.
- **“Global Humanitarian Technology Conference”** held on October 19-21, 2017 organized by IEEE, **San Jose, USA**.

National

- **“Chili's production and its quality”** held on 6th August 2004 organized by Export Promotion Bureau, Kunri, Sindh.
- 3-day seminar on the **“Contribution of TVET for Sustainable Development with implication for TVET teachers education”** held on 8-10 December 2009 organized by National Institute of Science & Technical Education (NISTE), Islamabad.
- **“One day Workshop on “Intellectual Property Rights in Pakistan: Challenges and Opportunities”** held on 26th April 2012 organized by Mehran University Institute of Science, Technology & Development, Jamshoro.
- Capacity Building and Implementation of OBE&A held on 30.09.2016 organized by MUET, Jamshoro.
- Capacity Building/Developing SARs as per PEC 2014 accreditation Manual held on 5th December 2017 organized by MUET, Jamshoro.
- International Conference on Food, Agriculture and Livestock held on 25-26 February 2015 Sindh Agriculture University Tandojam- Pakistan.
- 1st LUMHS National conference on Quality Education (QCON,2017), held on 9-10 March 2017, LUMHS-Jamshoro.
- One Day CPD Workshop on OBE Software Hands-On-Practice held on 27th January 2018 organized by Indus University Karachi.
- Workshop on Industrial Clusters in Sindh- Fostering Research and Development, May 2019, MUET Jamshoro.
- Seminar on Promoting the Commons in Research and Practice - Challenges and opportunities, October 2019, MUET Jamshoro.

Workshop and Trainings Conducted

- Two days training on Quality Assurance Implementation in Higher Education Institutions May 2013 at Shaheed Z.A.Bhutto Agriculture College Dokri, Sindh.
- Three days training workshop for professional development of MUET students Sponsored by Australian Awards (2017), MUET, Jamshoro.
- One day Strategic Management training on 26th September, 2017 at Office of Research Innovation and Commercialization. MUET, Jamshoro.
- One Day training workshop on Programs Self-Assessment Procedures, June 2018 at University of Sindh, Jamshoro.
- One day training session on “Self-Assessment Report based on HEC guidelines” March 2021 at Mehran University of Engineering & Technology, Jamshoro, Sindh.

Research Journal/Publisher Affiliations

- Associate Editor, Global Sustainable Development and Renewable Energy Systems, IGI Global, USA
- Reviewer, Renewable and Sustainable Energy Review
- Reviewer, Journal of Policy Studies

Google Scholar	No of citations	H Index	SCOPUS	No of citations	H Index
	245	07		9+20=29	1+2=3
Date (as of)	25.02.2022		Date (as of)	25.02.2022	

FIELD STUDY

- Collected scientific data for Solar Dehydrator by drying dates at District Khairpur, Sindh, Pakistan.

AWARDS

- Received a Merit Certificate for successful participation in “Image Pakistan Industrial Fair-2004” organized by PCSIR.
- Received a Co-Opted Certificate from Mehran University Institute of Science, Technology and Development in organizing a successful workshop on Information and Computer Technology.
- A Shield of Honor, as an acknowledgement, on conducting Training of Trainers and students’ Professional Development of MUET Students’ at MUET, Jamshoro.
- A Shield of Honor, as an acknowledgment, on providing technical support to the Students Startup Business Center Competition 2017, MUISTD, MUET, Jamshoro.
- A Shield of Honor, as an acknowledgment, on conducting a technical session in 1st LUMHS National conference on Quality Education, March 9th & 10th 2017, QCON, 17, LUMHS-Jamshoro.

RESEARCH AWARDS

- Awarded **STEPI Fellowship (2015)** by **Science and Technology Policy Institute (STEPI), South Korea.**
- Awarded **Post-Doctorate placement** by **Stanford University, USA.**

FOREIGN VISITS

S.No	Country visited	Period of Visit		Purpose of Visit	Source of Financing
		From	To		
01	Saudi Arabia	10.06.2019	25.06.2019	To Perform Umrah	Self
02	USA	19.10.2017	29.10.2017	Paper Presentation	HEC
03	Italy	01.10.2012	05.10.2012	To review RIO20 output documents	ICTP
04	Saudi Arabia	05.11.2010	15.12.2010	To perform Hajj	Self
05	Iran	17.10.2009	21.10.2009	Paper Presentation	Iran Polymer Society
06	South Africa	31.10.2005	02.11.2005	Poster Presentation	American Society of Physics & ICTP
07	Italy	18.10.2004	05.11.2004	Case Study Presentation	ICTP

Students Supervised

S#	Name	Degree Program	Research Title	Year
01	Mr. Khalil Ahmed	MS-STIP	Contribution of post-harvest-technologies in the Date Palm Industry: A case Study of District Khairpur	2017
02	Ms. Anum	MS-HRM	The Relationship Between Work Stress and Job Satisfaction of FCPS Students	2018
03	Ms. Asia Bux	MS-HRM	Adopting sustainable HRM practices: A case study of MUET, Jamshoro.	2018
04	Ms. Sheeba	MS-HRM	Assessment of Problems Faced by Postgraduate Girls Students in Research: A Case of Jamshoro Education City	2018
05	Mr. Salman	MS-STIP	Green Growth Through ICT: A Case Study for Paperless Environment in Novartis Pharma	2019
06	Mr. Amanallah	MS-HRM	Key Constraints for MBA students to become Entrepreneur, an empirical analysis of Jamshoro and Hyderabad Business schools	2019
07	Mr. Aftab	MS-STIP	Role of Technology in Banking System of Pakistan: A case study of UBL Bank	2019
08	Mr. Ali Mustafa	MS-HRM	Impact of co-curricular activities on academic excellence A Case Study of District Kamber Shahdadkot.	2019
09	Mr. Sohrab	MS-HRM	Adopting Green HRM Practices in Business Schools of Jamshoro and Hyderabad	2020
10	Mr. Qaiser	MS HRM	Assessing the impact of performance management systems on the performance of individuals and business units- A case study of PTCL.	2020
11	Siknadar Malookani	MS-HRM	Role of NGOs towards Human Development- A Case Study of Rural Poverty Distt: Sanghar	2021
12	Sarang Sheikh	MBA (I& E)	Role of Community Engagement in TIS- A case study of off grid solar PV electrification in Umerkot, Sindh, Pakistan	2021
Students Co-Supervised				
01	Mr. Bilal Ahmed	MBA	Success and failure of the project of the RO plants installed at different sites of Hyderabad district	2018

02	Mr. Nisar Ahmed Rind	MBA	Occupational Stress and Job Performance: Study of medical house officers, Liaquat University of Medical and Health Sciences (LUMHS) Jamshoro.	2018
03	Mr. M. Waqas	MS (TIM)	Assessing the Quality Parameters for Ph.D theses in Engineering University	2019
04	Mr. Awais Iqbal	MBA	Impact of university brand name on students' admission decision-making	2020
05	Ms. Hijab	MS-HRM	Assessing impact of 'stipend program' on Girls' enrollment and attendance: Case of Tando Allahyar District	2020
06	Ms. Sonia	MS HRM	Risk Management in Higher Educational Institutions: A Study of MUET, Jamshoro.	2021
07.	Mr. Khushkar	MS HRM	Performance Evaluation mechanism Aligning Job Description, Teacher Evaluation form and annual Confidential Report: A Study of Mehran University Faculty	2021
08.	Mr. Qurban Ali	MS HRM	A case study of Oppl Zamzama Field (Dadu) in terms of Corporate Social Responsibility Performance	2022

Ph.D Research Scholar

01	Mr. Sajjad	Ph.D in Science, Technology & Innovation Policy (STIP) Delivered 2 nd Progressive Seminar	Implications of Organizational Climate on Public Service Motivation: A Comparative Study of Public and Private Sector Hospitals in Sindh	Ongoing
02	Mr. Khalil	Ph.D in Science, Technology & Innovation Policy (STIP) Delivered 1 st Progressive Seminar	Evaluation of Clean Energy Initiatives for Socio-Technical & Techno-Economic development of Sindh	Ongoing Joint Collaboration with Stanford University, USA.