

# DR. ALI RAZA KHOSO



B.E. (Civil), M.E. (Construction Management), PhD (Civil Engineering)  
HEC APPROVED PHD SUPERVISOR  
Assistant Professor (BPS-19),  
Department of Civil Engineering,  
Mehran University of Engineering & Technology, Jamshoro, Pakistan.  
Cell# : +92-334-2558073;+60-1111-885957, Phone# 022-2772250-72 (7107)  
E-mail : [aliraza.khoso@faculty.muett.edu.pk](mailto:aliraza.khoso@faculty.muett.edu.pk)

Father Name: Dolat Khan Khoso | Date of birth: 7<sup>th</sup> Sep 1991 | Nationality: Pakistani  
CNIC No: 44402-3634786-3 | Passport No. JS9897862 | PEC Reg. No. Civil/ 35953

## EDUCATION

### Doctor of Philosophy, Ph.D. (2021)

Civil Engineering (Construction Management)  
University Technology Malaysia (UTM), Johor Bahru, Malaysia  
Two-stage Continuous Assessment Decision Support Model for  
Selection of Contractors in Pakistan's Public Projects

### Master of Engineering (2017)

Construction Management  
Mehran University of Engineering & Technology, Jamshoro, Pakistan  
CGPA: 4.00 out of 4.00  
Research Topic:  
A decision support model for evaluation of contractors in  
prequalification process

### Bachelor of Engineering (2013)

Civil Engineering  
Mehran University of Engineering & Technology, Jamshoro,  
Pakistan  
CGPA: 3.98 out of 4.00 | 90.5%  
Research Topic:  
Analysis of Flexural Strengthening For Repaired Reinforced  
Concrete Beams Using CFRP, Epoxy Injection And Cement Sand  
Grout Techniques

## EMPLOYEMENT HISTROY

### Designation

### Employer & Responsibilities

Assistant Professor  
(BPS-19) (adhoc)

Mehran University of Engineering & Technology, Jamshoro,  
Pakistan

23<sup>rd</sup> December 2021  
till date

- ✓ To conduct theoretical & practical classes of undergraduates
- ✓ To conduct theoretical classes of postgraduates
- ✓ Invigilation in examination
- ✓ Ph.D/Master/Undergrad Student Research Supervision
- ✓ To involve in different departmental administrative work

**Mehran University of Engineering & Technology, Jamshoro,  
Pakistan**

Lecturer (BPS-18)  
22<sup>nd</sup> April-2015 to  
22<sup>th</sup> December-2021

- ✓ To conduct theoretical & practical classes of undergraduates
- ✓ To conduct theoretical classes of postgraduates
- ✓ Invigilation in examination
- ✓ Supervisor in undergraduates final year thesis/project (FYP)
- ✓ To involve in different departmental administrative work

**M/S Wahid Bux Panhwar & Sons Govt: Contractor**

Assistant Manager,  
Civil  
April-2014 to Jan-  
2015

- ✓ Report to Chief Executive officer
- ✓ Preparation of Pre-Qualification Documents
- ✓ Supervisions of work at construction sites
- ✓ Attending Bid opening meetings
- ✓ Filling of rates in B.O.Q
- ✓ Working with schedules of rates
- ✓ Preparation of work plan
- ✓ Material Inspection

**TEACHING EXPERIENCE**

---

Subjects to Masters  
Students

- ✓ Resource Planning & Control
- ✓ Contracts & Procurement Management
- ✓ Construction & Building Economics

Subjects to  
Undergraduate  
Students

- ✓ Construction Management & Planning
- ✓ Project Management
- ✓ Professional Ethics
- ✓ Computer Aided Drawing (CAD)

## RESEARCH EXPERIENCE

---

PhD Projects	✓ Construction Relationship Management in Construction Projects of UAE (as an external PhD Co-Supervisor) (2022- continue)
Masters Projects (As main Supervisor)	✓ Development of Entrepreneurship Model for Civil Engineering Graduates of Sindh, Pakistan (2022)
Masters Projects (As Co-Supervisor)	✓ Decision Making Model for Selection of Procurement Method in Construction Industry of Pakistan Modelling Cause Effect Relationship of Change Orders in Public Sector Building Projects (2020)
	✓ Developing a Green Building Assessment Criteria System for Construction Industry of Pakistan (2020)
	✓ Developing Knowledge Based Expert System For Dispute Resolution In Public Sector Road Construction Projects
	✓ Towards implementation nominated subcontractor practice in construction industry of Pakistan (Continue)
Undergraduates Projects (As Main Supervisor)	✓ Framework For Enhancing Adoption of Green Building Construction in Pakistan (2022)
	✓ Impact of COVID-19 on Construction in Pakistan (2022)
	✓ Risk Identification in Different Phases of Building Construction Projects in Pakistan (2022)
	✓ Tall Building Design with Lateral Load Consideration using Non Linear Dynamics Analysis (2018)
	✓ Experimental Analysis of Mechanical Properties of ECC Using Polypropylene Fiber (2017)
	✓ Utilization of Self-Healing Bacterial Concrete For Repair Works (2017)
	✓ Seismic Analysis & Design of Shifa Heaven Building Hyderabad” (2016)
Undergraduates Projects (As Co-Supervisor)	✓ Green Retrofitting of Building via BIM-Based Sustainability Optimization Using Design Builder- A Case Study (2022)
	✓ Assessment of Critical Causes Responsible for Time and Cost Overruns In Pre-Construction Planning Phase of Construction Projects (2016)

## BOOK PUBLICATIONS

---

1. Md Aminah Yusof, IzieAdiana Abidin, **Ali Raza Khoso**, & Chai Chang Saar (2021), *Mitigating delay in public projects delivery in Malaysia*. Johor Bahru: Penerbit UTHM.

## ISI WoS IMPACT FACTOR RESEARCH JOURNAL PUBLICATIONS

---

1. Omar Daboun, Nur IzieAdiana, Ali Raza Khoso, Zhen Song-Chen, Mirosław J. Skibniewski, Aminah Md Yusof, “Effect of relationship management on construction project success delivery”, *Journal of Civil Engineering and Management*, Vol. xx, No. xx, pp-xxx-xxx (2023) (In Press) IF 3.714, 2021 (ISI-SCIE, SSCI Indexed/HEC W-Category).
2. Omar Daboun, Aminah Md Yusof, **Ali Raza Khoso**, “Relationship Management in Construction Projects: Systematic Literature Review”, *Engineering Management Journal*, Vol. xx, No. xx, pp-xxx-xxx (2022) (ISI-SCIE/HEC X-Category), IF 2.070, 2020.
3. Naraindas Bheel, Oluwatobi Gbenga Aluko, **Ali Raza Khoso**, “ Synergistic and sustainable utilization of coconut shell ash and groundnut shell ash in ternary blended concrete,” *Environmental Science and Pollution Research*” (2022), IF 4.223 (ISI-SCIE)
4. **Ali Raza Khoso**, Aminah Md Yusof, Zhen Song-Chen, Xian-Jia Wang, Mirosław J. Skibniewski, Nafees Ahmed Memon, “Embedded Remote Group Environment through Modification in MACBETH- An application of Contractor’s Selection in Construction”, *Journal of Civil Engineering & Management*, Vol. 27 No. 08 pp. 595-616 (2021), 3.714, 2021 (ISI-SCIE, SSCI Indexed/HEC W-Category).
5. **Ali Raza Khoso**, Aminah Md Yusof, Zhen Song-Chen, Mirosław J. Skibniewski, Kwai-Sang Chin, Shabir Hussain Khahro, Samiullah Sohu, “Comprehensive Analysis of State-of-the-Art Contractor Selection Models in Construction Environment-A Critical Review and Future Call”, *Socio Economic Planning Sciences*, Vol. 79, No. Feb. (2021), IF 4.923, 2020 (ISI-SCIE, SSCI Indexed/HEC W-Category).
6. **Ali Raza Khoso**, Aminah Md Yusof, Shabir Hussain Khahro, Nur IzieAdiana Binti Abidin, and Nafees Ahmed Memon, “Automated Two-Stage Continuous Decision Support Model Using Exploratory Factor Analysis-MACBETH-SMART- An Application of Contractor Selection Public Sector Construction”,

Journal of Ambient Intelligence and Humanized Computing (2021), vol xx, No. x, pp. IF 7.104, 2020 (ISI-SCIE, SSCI Indexed/HEC W-Category).

7. Shabir Hussain Khahro, Danish Kumar, Fida Hussain Siddiqui, Tuaha Hussain Ali, Muhammad Saleem Raza, and **Ali Raza Khoso**, "Optimizing Energy Use, Cost and Carbon Emission through Building Information Modelling and a Sustainability Approach: A Case Study of a Hospital Building," Sustainability (2021), vol. 13, No. 7, pp. 1-18, IF=3.251, 2020 (ISI-SCIE, SSCI Indexed/HEC W-Category).
8. **Ali Raza Khoso**, & Md Aminah Yusof, "Extended Review of Contractor Selection in Construction Projects," Canadian Journal of Civil Engineering (2020), vol. 47, No. 7, pp. 771-789, IF=1.380, 2020 (ISI-SCIE Indexed/HEC X-Category).

## **INTERNATIONAL/NATIONAL JOURNAL RESEARCH PUBLICATIONS**

---

1. **Ali Raza Khoso**, Aminah Md Yusooof, Nur Izie Adiana Binti Abidin, Nafees Ahmed Memon, "Technical Evaluation of Contractor in Public Tendering- A Comparative View-Point of Stakeholders", International Journal of Project Organization and Management, vol. 14, No.4, pp. 377-406 (2022) (Scopus Index/HEC Y- Category)
2. Fahad Ali Shaikh, Naraindas Bheel, **Ali Raza Khoso**, Asif Raza & Asadullah, "Effect of Crushed Coconut Shell and Over Burnt Brick on the Mechanical Behaviour of Green Concrete as a Partial Replacement of Coarse Aggregate", Jurnal Kejuruteraan: Vol. 34, No 6: November: 2022. (ESCI/HEC Y-Category)(In Press)
3. Chai Changsaar, Nur IzieAdiana Abidin, **Ali Raza Khoso**, Ling Luenhui, Xiong Yaoli, Gui Hunchuen, "Optimising Energy Performance of an Eco-Home Using Building Information Modelling (BIM)", Innovative Infrastructure Solutions, Vol xx, No. xx (2022) (ESCI-Scopus/HEC X-Category) (In Press)
4. Dewi Noorain Bolhassan, Chai Changsaar, **Ali Raza Khoso**, Loo Siawchuing, Jibril Adewale Bamgbade, Wong Ngie Hing, "Towards Adoption of Smart Contract in Construction Industry in Malaysia", Pertanika Journal of Science and Technology, Vol 30, No. 01 (2022), 141-160 (ESCI-Scopus Index/HEC Y-Category) ISSN:01287680
5. Kashif Ali Abro, Abdon Atangana, **Ali Raza Khoso**, "Dynamical behavior of fractionalized simply supported beam: An application of fractional operators

to Bernoulli-Euler theory,” Non Linear Engineering, Vol 10, pp 231-239 (2021) (ESCI-Scopus Index/HEC Y- Category).

6. Aminah Md Yusof, **Ali Raza Khoso**, Samiullah Sohu, Shabir Hussain Khahro, Chang Saar Chai, “Improving Performance in Construction projects: A Case Study of Malaysian Public Projects,” *Pertanika Journal of Science and Technology*, Vol 29, No. 4, pp. 2579-2604 (2021) (ESCI-Scopus Index/HEC Y-Category) ISSN:01287680
7. Shabir Shabir Hussain Khahro, Ayaz Babar, Fida Hussain Siddiqui, Tauha Hussain Ali, **Ali Raza Khoso**, “Integration Management: A Bibliometric Study of Research Trends,” *Library Philosophy and Practice*, 5837 (2021) (Scopus Index/HEC W-Category).
8. **Ali Raza Khoso**, Nafees Ahmed Memon, Fida Siddiqui, Aftab Hameed Memon “Decision Preferences of Procurement Delivery Method in Public Sector Construction Projects Using TOPSIS”, *International Journal of Procurement Management*, vol. xx, No. x, pp. xxx-xxx (2021) (Scopus Index/HEC Y-Category)- (In Press)
9. Shabir Hussain Khahro, Aminah Md Yusof, Mir Aftab ahmed Talpur, **Ali Raza Khoso**, Fida Hussain, “Are We Doing Enough for Students with Disabilities: A Case of Online Education During COVID-19 Pandemic?”, *Elementary Education Online*, vol. 10, No. 3, pp. 2180-2183 (2021) (Scopus Index/HEC X-Category).
10. **Ali Raza Khoso**, Aminah Md Yusof, Chai Chaang Sar, Muhammad Aslam Leghari, “Robust contractor evaluation criteria classification for modern technology public construction projects”, *Journal of Public Procurement*, vol. 21, No. 1, pp. 53-74 (2021) (ESCI-Scopus/HEC Y- Category).
11. **Ali Raza Khoso**, Aminah Md Yusof, Muhammad Aslam Leghari, Fida Siddiqui, and Samiullah Sohu “Public Tendering Practices, Issues and Directions - A Case of Pakistan Construction Sector,” *Pertanika Journal of Science and Technology*, Vol 29, No. 1, pp. 123-147 (2021) ISSN:01287680 (ESCI-Scopus Index/HEC Y- Category).
12. **Ali Raza Khoso**, Nafees Ahmed Memon, Samiullah Sohu, Fida Siddiqui, Jam Shahzaib Khan, “Decision Criteria For Assessment Of Contractors In Prequalification Phase Of Public Projects,” *International Journal of Advanced Science and Technology*, Vol 29, No. 11s, pp. 2624-2635 (2020).

13. **Ali Raza Khoso**, Shankar Lal Menghwar, and Jam Shahzaib Khan, International Journal of Sustainable Construction Engineering and Technology, Vol. xx No. xx (ISI-ESCI & Scopus Indexed). (In Press)
14. Talha Abro, Nafees Ahmed Memon, **Ali Raza Khoso** & Aftab Hameed Memon, "Determination of Causes of Change Orders And Their Consequences For Public Sector Building Construction Sector of Pakistan", Balochistan Journal of Engineering & Applied Sciences, vol. 2, No. 1, pp. 23-29 (HEC Y-Category).
15. **Ali Raza Khoso**, Jam Shahzaib Khan, Rizwan Ullah Faiz, Muhammad Akram Akhund, Aftab Hameed and Faizullah Memon, "Investigation of Building Failure Indicators", Engineering, Technology & Applied Science Research, Oct (2019), pp. 4591-4595, Volume 9, Issue 5 (ISI-ESCI Indexed/HEC Y-Category).
16. Ammara Kaynat, **Ali Raza Khoso**, Jam Shahzaib Khan, Rizwan Ullah Faiz, and Mazhar Abbas, "Adverse Health and Environmental Impacts of Poor Infrastructure Management in Local Market Facilities" Indian Journal of Science & Technology (2019), Volume 12, Issue 28 (ISI-ESCI Indexed).
17. Fida Siddiqui, Muhammad Akram Akhund, Tauha Hussain Ali, Shabeer Hussain Khahro, **Ali Raza Khoso** and Hafiz Usama Imad, "Barriers in Adoption of Building Information Modeling in Pakistan's Construction Industry" Indian Journal of Science and Technology, Vol 12, No. 25, 2019 (ISI-ESCI Indexed).
18. **Ali Raza Khoso**, Jam Shahzaib Khan, Rizwan Ullah Faiz, and Muhammad Akram Akhund, "Assessment of Change Orders Attributes in Preconstruction and Construction Phase", Civil Engineering Journal-Tehran, vol 5, No. 3, pp. 616-623, March 2019. ISSN 2476-3055 (ISI-ESCI Indexed/HEC Y- Category), ISSN (online): 0974-5645.
19. Uzma Arisar, Mir Aftab Hussain Talpur, Bhai Khan Shar, Mushtaque Ali and **Ali Raza Khoso**, "Influence of Design Characteristics on Walkability A Study on MUET Campus Jamshoro, International Research Journal of Innovations in Engineering and Technology (IRJIET), vol. 2, No. 9, pp. 13-16, Nov. 2018, ISSN: 2581-3048.
20. Saeed Ahmed, Nafees Ahmed Memon, **Ali Raza Khoso**, Abdullah Shah Hashemi & Aftab Hameed Memon, "Disputes Impact in Pakistan Construction Industry: A Comprehensive Study of Road Development Projects", International Journal of Modern Research in Engineering & Management (IJMREM), Vol. 1, No. 10, pp. 14-21, Nov. 2018, ISSN: 2581-4540.

21. Muhammad Akram Akhund, Aftab Hameed Memon, Hafiz Usama Imad, Fida Hussain Siddiqui, and **Ali Raza Khoso**. "Motivational Factors for The Implementation of ISO-9001 in Construction Firms of Pakistan", Civil Engineering Journal-Tehran, Vol. 4, No. 9, September 2018, ISSN 2476-3055 (ISI-ESCI Indexed/HEC Y- Category).
22. Naraindas Bheel, Shanker Lal Meghwar, Samiullah Sohu, **Ali Raza Khoso**, Ashok Kumar, Zubair Hussain Shaikh, "Experimental Study On Recycled Concrete Aggregates With Rice Husk Ash As Partial Cement Replacement," Civil Engineering Journal-Tehran, Vol. 4, No. 10 pp. 2305-2314 (2018), ISSN: 2476-3055, (ISI-ESCI Indexed/HEC Y- Category).
23. Sabeen Shah, Bhai Khan Shar, **Ali Raza Khoso**, Muhammad Akram Akhund and Mehwish Soomro, "Universal Accessibility: A Tool for Safe, Sustainable and Friendly Environment- A Case Study", European Journal of Advances in Engineering and Technology, 2018, 5(8): 576-580, ISSN: 2394 - 658X.
24. Muhammad Akram Akhund, Hafiz Usama Imad, Nafees Ahmed Memon, Fida Hussain Siddiqui, **Ali Raza Khoso** & Abbas Ali Panhwer, "Contributing Factors of Time Overrun in Public Sector Construction Projects", Engineering, Technology & Applied Science Research (2018), pp 3369-3372, Volume 8, Issue 5 (ISI-ESCI Indexed/HEC Y- Category).
25. **Ali Raza Khoso**, Muhammad Fahim, Shanker Lal Meghwar & Muhammad Akram Akhund, "Experimental Analysis on Tensile Behavior of Engineered Cementitious Composite (ECC) using Polypropylene Fiber", Civil Engineering Journal- Tehran, Vol 4, No. 8, (2018), pp 1799-1808, ISSN: 2476-3055, (ISI-ESCI Indexed/HEC Y- Category).
26. Mehwish Soomro, Bhai Khan Shar, Ghulam Mustafa Soomro, Muhammad Akram Akhund & **Ali Raza Khoso** "Assessment of Energy Performance of Courtyard in Sustainable Architecture", International Research Journal of Innovations in Engineering and Technology (IRJIET), Volume 2, Issue 6, pp 5-9, August-2018 ISSN (online): 2581-3048.
27. Fida Siddiqui, Muhammad Akram Akhund, Aftab Hameed Memon, **Ali Raza Khoso** and Hafiz Usama Imad "Health and Safety Issues of Industry Workmen". Engineering, Technology & Applied Science Research (2018), 3181-3188, Volume 8, Issue 4 (ISI-ESCI Indexed/HEC Y- Category).

28. Muhammad Akram Akhund, **Ali Raza Khoso**, Ashfaque Ahmed Pathan, Hafiz Usama Imad, Fida Hussain Siddiqui, "Risk Attributes, Influencing the Time and Cost Overrun in Joint Venture Construction Projects of Pakistan". *Engineering Technology & Applied Science Research* (2018),3260-3264, Volume 8, Issue 4 (ISI-ESCI Indexed/HEC Y- Category).
29. **Ali Raza Khoso**, Aftab Hameed Memon, Ashfaque Ahmed Pathan, and Muhammad Akram, "Solid Waste Management Issues of Hyderabad City", *Mehran University Research Journal of Engineering & Technology*, Vol. 37, No. 3, 653-662 July (2018), p-ISSN: 0254-7821, e-ISSN: 2413-7219, (ISI-ESCI Indexed/HEC Y- Category).
30. Muhammad Akram Akhund, Shabir Hussain Khahro, Fida Hussain Siddiqui & **Ali Raza Khoso**, "Adaptability of ISO Quality Standard in Construction Industry", *Journal of Engineering & Applied Sciences*, Vol 13, issue 3, (2018),926-929, ISSN:1816-949X (Scopus indexed).
31. Fida Siddiqui, **Ali Raza Khoso**, Ashfaque Ahmed Pathan, Muhammad Akram Akhund and Shabir Hussain Khahro, "Concept and Willingness to Adopt Zero Energy Buildings", *Indian Journal of Science and Technology*, Vol 11(5), DOI: 10.17485/ijst/2018/v11i5/118639, February (2018). ISSN: 0974-6846. (ISI-ESCI Indexed).
32. **Ali Raza Khoso**, Muhammad Akram Akhund, Aftab Hameed Memon, Fida Siddiqui & Shabir Hussain Khahro, "Health & Safety of Hyderabad Industries" Labor - Causes & Awareness", *Journal of Engineering, Technology & Applied Science Research*, Vol. 7, Issue 6, (2017), 2334-2339, ISSN: 1792-8036. (ISI-ESCI Indexed/HEC Y- Category).
33. Muhammad Akram Akhund, **Ali Raza Khoso**, Ashfaque Ahmed Pathan, Uroosa Memon, Fida Hussain Siddiqui "Influence of Biomass Aggregate on Strength of Foam Concrete", *International Journal of Civil Engineering and Technology (IJCIET)*, 8(8), (2017), pp. 1645–1653, ISSN: 0976-6316 (Scopus Indexed).
34. **Ali Raza Khoso**, Fida Hussain Siddiqui, Shabir Hussain Khahro, Muhammad Akram Akhund "Entrepreneurship in Construction Industry: Motives and Barriers" *International Journal of Civil Engineering and Technology (IJCIET)*, Volume 8, Issue 6, (June 2017), ISSN: 0976-6316 (Scopus Indexed).
35. Muhammad Akram Akhund, **Ali Raza Khoso**, Ashfaque Ahmed Pathan, Fida Siddiqui, Irfan Ahmed Abbasi (2017). "Minimization of Waste Generation at

Construction Sites”. International Journal of Engineering and Technology (IJET), June 2017. e-ISSN: 0975-4024 p-ISSN: 2319-8613.

36. Muhammad Akram Akhund, **Ali Raza Khoso**, Uroosa Memon, Shabir Hussain Khahro “Time Overrun in Construction Projects of Developing Countries” Imperial Journal of Interdisciplinary Research (IJIR), Volume-3, Issue-4, (May 2017), ISSN: 2454-1362.
37. Shabir Hussain Khahro, Tauha Hussain Ali, Siddiqui, Fida Siddiqui, **Ali Raza Khoso**, “Critical Success Factors Affecting Job Satisfaction in Construction Projects: A Case of Pakistani Workers”, International Journal of Civil Engineering and Technology (IJCIET) Volume 7, Issue 6, November-December (2016), pp. 507–513 (Scopus Indexed).

## **INTERNATIONAL/NATIONAL CONFERENCE PUBLICATIONS**

---

1. Ammara Kaynat, Mazhar Rizvi, Aisha Anis Sakrani, **Ali Raza Khoso**, Developing a Green Building Assessment Criteria System for Construction Industry “Conducting a Study to tackle the issue of plastic shopping bags- A call for Green Environment: A Case study of Hyderabad” In: International Conference on Sustainable Development in Civil Engineering, MUET, Pakistan (December 05-07, 2019).
2. Saeed Ahmed Baloch,, Nafees Ahmed Memon, & **Ali Raza Khoso**, “Developing Conceptual Framework to Improve the Efficiency of Disputes Avoidance in Public Sector Road Projects in Pakistan Construction Industry”, In: International Conference on Sustainable Development in Civil Engineering, MUET, Pakistan (December 05-07, 2019).
3. Uroosa Solangi, **Ali Raza Khoso**, Ashfaq Ahmed Pathan, Fida Siddiqui & Moazzam Ali Mughal, “Recreational Facility as Source of Human Health”, In: International Conference on Sustainable Development in Civil Engineering, MUET, Pakistan (December 05-07, 2019).
4. Ammara Kaynat & Ali Raza Khoso, “Investigation on Clinical Wastage Issues of Hyderabad City”, In: International Conference on Sustainable Development in Civil Engineering, MUET, Pakistan (December 05-07, 2019).
5. Shunaid Ahmed Qureshi, Nafees Ahmed Memon, & **Ali Raza Khoso**, “Developing a Green Building Assessment Criteria System for Construction Industry in Pakistan” In: International Conference on Sustainable Development in Civil Engineering, MUET, Pakistan (December 05-07, 2019).

6. Muhammad Akram Akhund, Aftab Hameed, Nafees Ahmed Memon, Tauha Hussain Ali & **Ali Raza Khoso**, "Exploring Types of Waste Generated: A Study of Construction Industry of Pakistan" in MATEC Web of Conferences 266(2):05011.
7. Izhar Hussain Bhutto, Nafees Ahmed Memon, **Ali Raza Khoso**, Muhammad Aslam Leghari and Shabir Hussain Khahro, "Factors Affecting Selection of Procurement Method in Public Sector Construction Projects", 10th International Civil Engineering Conference (ICEC-2019), February 23-24, 2019, Karachi, Pakistan.
8. **Ali Raza Khoso**, Muhammad Fahim, Jawad Ahmed, Muhammad Akram Akhund, "Experimental Analysis on Tensile Behavior of ECC using Polypropylene", 9th International Civil Engineering Congress (ICEC-2017), December 22-23, 2017, Karachi, Pakistan.
9. Velaram Menghwar, Nafees Ahmed Memon, Shabir Hussain Khahro, **Ali Raza Khoso**, Muhammad Akram Akhund and Fida Siddiqui, "Main Causes of Accidents during Construction and Operation of Dug Wells: A Case Study of Tharparkar Region", International Conference on Sustainable Development in Civil Engineering 23-25 November, 2017 (ICSDC 2017).
10. Aqsa Hayat, **Ali Raza Khoso**, Muhammad Akram Akhund, Nafees Ahmed Memon, Shabir Hussain Khahro, "Risk Identification in Joint Venturing Projects of Pakistan's Construction Industry", International Conference on Sustainable Development in Civil Engineering 23-25 November, 2017 (ICSDC 2017).
11. Faizullah Memon, **Ali Raza Khoso**, Nafees Ahmed Memon, Fareed Ahmed Memon, Moazzam Ali Mughal, "Causes of Building Failures in Pakistan", International Conference on Sustainable Development in Civil Engineering 23-25 November, 2017 (ICSDC 2017).
12. Imran Ali Jokhio, **Ali Raza Khoso**, Muhammad Akram Akhund, Fida Siddiqui and Shabir Hussain Khahro, "Change Orders in Projects at Different Stages of Construction", International Conference on Sustainable Development in Civil Engineering 23-25 November, 2017 (ICSDC 2017).
13. Jawad Memon, Muhammad Fahim, **Ali Raza Khoso**, Sammar Husaain Rizvi & Fahad Sheikh, "Experimental Analysis on Compressive Behavior of ECC using

Polypropylene Fiber”, International Conference on Sustainable Development in Civil Engineering 23-25 November, 2017 (ICSDC 2017).

14. Ammara Kaynat, **Ali Raza Khoso** and Ashfaque Pathan, “Health & Environmental Issues to Society: A Case Study of Hyderabad Vegetable Markets”, International Conference on Sustainable Development in Civil Engineering 23-25 November, 2017 (ICSDC 2017).
15. Sadaf Tagar, Irfan Ahmed Memon, **Ali Raza Khoso** & Ashfaque Ahmed Pathan, “An Investigation of Present Situations of Burn Care Units in Vicinity of Hyderabad”, International Conference on Sustainable Development in Civil Engineering 23-25 November, 2017 (ICSDC 2017).
16. Rubab Khanzada, Raheela Laghari, **Ali Raza Khoso**, Zuriya Jawaid and Sana Naseer, “Reduction in Climatic Changes through Vegetation: An Empirical Study of Hyderabad Pakistan”, International Conference on Sustainable Development in Civil Engineering 23-25 November, 2017 (ICSDC 2017).
17. **Ali Raza Khoso**, Ammara Kaynat, Shanker Lal Mehgwar, Ashfaque Ahmed Pathan, “Solid Waste Management: Practices and Problems of Hyderabad City”, Proceeding of the Seventh International Conference on Environmentally Sustainable Development ESDev – 2017, 26-28 August 2017.
18. Ammara Kaynat, **Ali Raza Khoso**, Aisha Anis Sakrani, Muhammad Akram Akhund, “Strategies for Solid Waste Management-A Case for Hyderabad City”, Proceeding of the Seventh International Conference on Environmentally Sustainable Development ESDev – 2017, 26-28 August 2017.
19. Fida Siddiqui, Ali Raza Bhagat, Muhammad Akram Akhund, **Ali Raza Khoso**, Faraz Ahmed Lashari, “Willingness to Adopt the Concept of Zero Energy Buildings”, Proceeding of the Seventh International Conference on Environmentally Sustainable Development ESDev – 2017, 26-28 August 2017.
20. **Ali Raza Khoso**, Rubab Khanzada, Muhammad Akram Akhund and Sana Naseer (2017). Reduction of Building Energy Consumption Through Bioclimatic Architecture: Design Guidelines For Hyderabad Sindh. First International Conference on Modern Trends in Science, Engineering & Technology (MTSET-2017): Roadmap for Sustainable and Collaborative Development, Karachi, Pakistan April 27 ~ 28, 2017.
21. Muhammad Akram Akhund, Fida Siddiqui, **Ali Raza Khoso**, Nafees Ahmmed Memon (2017). Implementation & Barriers of ISO quality standards in firms

of Pakistan. First International Conference on Modern Trends in Science, Engineering & Technology (MTSET-2017): Roadmap for Sustainable and Collaborative Development, Karachi, Pakistan April 27~ 28, 2017.

22. Rubab Khanzada, **Ali Raza Khoso**, Zuriya Jawed, Nafees Ahmed Memon “Assessment of Critical Factors Affecting Start of Personal Construction Business”, First International Conference on Industrial Engineering And Management Applications, February 20-22, 2017, MUET, Jamshoro, ISBN: 978-969-7710-01-0.
23. Aziz Mahar, **Ali Raza Khoso**, Fida Siddiqui, Shabir Hussain Khahro, “Health & Safety Concerns Of Manufacturing Industry Workforce”, First International Conference on Industrial Engineering And Management Applications, February 20-22, 2017, MUET, Jamshoro, ISBN: 978-969-7710-01-0.
24. Ammara Kaynat, **Ali Raza Khoso**, Aisha Sakrani, Ashfaque Ahmed Pathan, “Towards Implementation of Slaughter House As Industrial Sector In Pakistan”, First International Conference on Industrial Engineering And Management Applications, February 20-22, 2017, MUET, Jamshoro, ISBN: 978-969-7710-01-0.
25. Ali Raza Bhaagat, Fida Siddiqui, Shabir Hussain Khahro, **Ali Raza Khoso**, Tauha Hussain Ali, “Health Issues of Flour Milling Industry Workmen”, First International Conference On Industrial Engineering And Management Applications, February 20-22, 2017, MUET, Jamshoro, ISBN: 978-969-7710-01-0.
26. **Ali Raza Khoso**, Nafees Ahmed Memon, Pervez Shaikh, Shabir Hussain Khahro, Tauha Hussain Ali, “Assessment of Critical Factors for Prequalification of Contractors in Construction Industry of Pakistan”, 8th International Civil Engineering Congress (ICEC-2016), December 23-24, 2016, Karachi, Pakistan.
27. Rubab Khanzada, Raheela Laghari, **Ali Raza Khoso**, Fida Hussain Siddiqui, “Bioclimatic House Design Approaches In Rural Area of Mirpurkhas Sindh”, 4th International Conference on Energy, Environment And Sustainable Development Nov, 2016 (EESD 2016), MUET Jamshoro. ISBN 978-969-7710-00-3
28. Ammara Kaynat, Irfan Ahmed Memon, **Ali Raza Khoso**, Ashfaque Ahhmed Pathan, “Health & Environmental Impacts of Slaughter Houses’ Condition on Society – A Case Study of Hyderabad City”, 4th International Conference on

Energy, Environment and Sustainable Development Nov, 2016 (EESD 2016)  
MUET Jamshoro ISBN 978-969-7710-00-3.

29. Muhammad Akram, Nafees Ahmed Memon, Shabir Hussain Khahro, Uroosa Iqbal, **Ali Raza Khoso**, "Time Overrun in Public Sector Construction Projects of Developing Countries: Case Study of Pakistan", 2nd International Conference on Emerging issue in Management & Economics BUITEMS, QUETTA (Unpublished Proceeding).

## **PROJECT FUNDINGS/GRANTS**

---

- ✓ Sindh Lab Strengthening Program from Sindh HEC (Applied)
- ✓ Awarded Best Final Year Design Project from PEC cost Rs. 100,000/- in 2022

## **Member Editorial/Review Committee**

---

- ✓ Member of Review Committee of various journals of MDPI such as Sustainability, Energies, Buildings and Civil Engineering.
- ✓ Member of Editorial Board, International Conference on Sustainable Development in Civil Engineering Since 2017.
- ✓ Member of Review Committee, Engineering, Construction & Architectural Management, Emerald Publishing, ISI Indexed, Web of Science, Since September 2021.
- ✓ Member of Review Committee, Soft Computing Journal, Springer Nature Publishing, ISI Indexed, Web of Science, Since April 2021.
- ✓ Member of Review Committee, Kybernetes Journal, Emerald Insight Publication, ISI Indexed, Web of Science, Since April 2021.
- ✓ Member of Scientific & Technical Committee, International conference on "Civil Engineering & Design", Munich, Germany, held in July 2021.
- ✓ Member of Review Committee, World Journal of Civil Engineering & Construction Technology (WJCECT), Since 2020.
- ✓ Member of Review Committee, Engineering, Technology & Applied Science Research Journal (ETSAR), ISI Indexed, Web of Science, Since 2019.
- ✓ Member of Review Committee, Indian Journal of Science & Technology Journal (IJST), ISI Indexed, Web of Science, Since 2019.
- ✓ Member of Editorial & Review Board of Conference- International Scientific Technical Committee in "International Conference on Civil, Architecture & Environmental Engineering (ICCAEE 2019), Auckland, New Zealand, Since 2019.

- ✓ Member of Editorial & Review Board of Conference Proceedings Book on “International Conference on Sustainable Development in Civil Engineering 23-25 November 2017 (ICSDC 2017), MUET, Jamshoro.

## **SKILLS**

---

### **Professional**

- ✓ AUTOCAD 2D
- ✓ ETABS & SAFE
- ✓ GRASP
- ✓ PRIMAVERA P6
- ✓ Mendeley & EndNote
- ✓ MS Visio

### **Computer**

- ✓ MS Windows 2000/XP/2007/Vista
- ✓ MS- office (Word, Power Point, Excel)
- ✓ Hands on Internet

## **WORKSHOPS & SEMINARS ATTENDED**

---

- ✓ Attended 1 day CPD Seminar on “Role of Engineering/Maintenance in Aviation Industry” at Civil Aviation Training Institute, Hyderabad on 21<sup>st</sup> July, 2022
- ✓ Attended 1 day seminar on “HOW TO PUBLISH IN HIGH IMPACT JOURNALS” held on 25<sup>th</sup> April, 2019, UTM, Johor Bahru, Malaysia
- ✓ Attended 1 day International Workshop on “Mendeley” held on 11<sup>th</sup> April 2019 at UTM, Johor Bahru, Malaysia
- ✓ Attended 1 day International Workshop on “MATLAN PROGRAMMING” held on 6<sup>th</sup> Sep, 2019 at UTM, Johor Bahru, Malaysia
- ✓ Attended 2 days International seminar on “HOW TO PUBLISH HIGH IMPACT PUBLICATIONS” held on 19<sup>th</sup> & 20<sup>th</sup> Dec, 2018, UTM, Johor Bahru, Malaysia
- ✓ Attended 1 day International Workshop on “DESIGN OF TALL BUILDINGS: TRENDS AND ADVANCEMENT FOR STRUCTURAL PERFORMANCE” held on 25<sup>th</sup> April 2017 at NUST Islamabad (1 CPD)
- ✓ Attended 1 day International seminar on “DESIGN OF TALL BUILDINGS: TRENDS AND ADVANCEMENT FOR STRUCTURAL PERFORMANCE” held on 24<sup>th</sup> April 2017 at NUST Islamabad (1 CPD)
- ✓ Attended 1 day Training Program on ENTREPRENEUSHIP & BASIC SUPERVISION OF CONSTRUCTION PROJECTS held on 16 March, 2016 at Mehran U.E.T. Jamshoro. (1 CPD)
- ✓ Attended 2-days workshop on CONSTRUCTION COST ENGINEERING & CONTROL, 26-27 Feb, 2016, held on 26-27 Feb, 2016, at N.E.D UET Karachi. (1 CPD)
- ✓ Attended 1-day international workshop on “LEADERSHIP DEVELOPMENT FOR ENGINEERS AND TECHNICAL MANAGERS” on 19<sup>th</sup> Sep, 2015 at N.E.D UET Karachi.

## **ORGANIZER AT UNIVERSITY LEVEL**

---

- ✓ Teacher coordinator for Mehran University Civil Engineers' Society (MUCES) since 2022
- ✓ Teacher coordinator for ASPIRE'22
- ✓ Teacher coordinator for ASPIRE'18
- ✓ Teacher coordinator for Job fair 2017, MUET Jamshoro
- ✓ Teacher coordinator for ASPIRE'16
- ✓ Teacher coordinator for MUET Sports Gala 2016

## **KEY ROLES IN DEPARTMENT**

---

- ✓ Conference Secretary, 3<sup>rd</sup> International Conference on Sustainable Development in Civil Engineering, ICSDC 2023.
- ✓ Member OBE CQI Committee, Civil Engineering Department, MUET, Jamshoro since 7<sup>th</sup> January, 2022.
- ✓ Ex. Secretary of Centre for Internships, Trainings & Employment (CITE), Civil Engg. Deptt, MUET, Jamshoro.
- ✓ Ex. Deputy Coordinator, Internships at Civil Engineering Dept., MUET, Jamshoro, Pakistan.
- ✓ National Coordinator of ReGCoM (A research group) (Since 2017).
- ✓ Teacher coordinator of Mehran University Civil Engineers' Society MUCES (Since 2015).
- ✓ Course Trainer for AUTOCAD 2D, Civil Engineering Deptt: MUET, Jamshoro, April-May 2018.
- ✓ Course Trainer for AUTOCAD 2D, Civil Engineering Deptt: MUET, Jamshoro, Feb-2017.

## **RESEARCH ACHIEVEMENTS**

---

- ✓ Cumulative Impact Factor 2020: **25.908**
- ✓ HEC Approved Supervisor
- ✓ "Best Reviewer Award" in International Scientific Technical Committee in "International Conference on Civil, Architecture & Environmental Engineering (ICCAEE 2019), Auckland, New Zealand
- ✓ 303 citation, h-index-10 and i10 Index-12
- ✓ Official Mendeley Community Advisor Since 11<sup>th</sup>- September-2020

## **RESEARCH INTEREST**

---

- ✓ Procurement in Construction
- ✓ Tendering and Contracting
- ✓ Multi-Criteria Decision Analysis

- ✓ Prequalification of Contractors
- ✓ Group Decision Making
- ✓ Sustainability
- ✓ Building Information Modeling (BIM)
- ✓ Construction Economics
- ✓ Entrepreneurship in Construction
- ✓ Construction Waste Management
- ✓ Decision Making Systems
- ✓ Concrete Technology

## **BOARD MEMBER**

---

- ✓ Member Board of Studies (BOS) and Industrial Advisory Board (IAB) Committee in Department of Civil Engineering, Ziauddin University, Karachi Since 05-10-2022

## **ACADEMIC ACHIEVEMENTS**

---

- ✓ 4.00 out of 4.00 CGPA in Master of Engineering
- ✓ "GOLD MEDALIST" in Bachelors of Engineering
- ✓ "SILVER MEDALIST" in Bachelors of Engineering
- ✓ "Double Honor Award" in Bachelors of Engineering
- ✓ "Best Graduate" in Bachelors of Engineering

## **RESEARCH AFFILIATIONS**

---

**Google Scholar Citation** <https://scholar.google.co.in/citations?user=QpLtxmgAAAAJ&hl=en>

**Research Gate** [https://www.researchgate.net/profile/Ali\\_Khoso2](https://www.researchgate.net/profile/Ali_Khoso2)

**ORCiD** <https://orcid.org/0000-0001-8558-5842>

**Publons** <https://publons.com/researcher/3636817/ali-raza-khoso/>

## **LANUGAUGES**

---

**English** Good in reading, writing, speaking

**Urdu** National Language

**Sindhi** Mother tongue