



Engr. Shah Room

Lecturer

Department of Civil Technology

shahroom@uotnowshera.edu.pk

EDUCATION

M.S. Structural Engineering, 2015
University of South Asia, Lahore Pakistan

B.S. Civil Engineering, 2012
University of Engineering and Technology, Peshawar, Pakistan

AWARDS AND ACHIEVEMENTS

- Got **First Position** in BSc Civil Engineering from UET Peshawar Campus-III; (2008-2012).
- Earned **MSc Fully Funded Scholarship** in Structural Engineering under faculty development program of University of South Asia, Lahore; (2013-2015).
- Got **Young Researcher Award** in “1st International Conference on Emerging Trends in Engineering, Management and Sciences” ICETEMS” 29-30 December, 2014”.
- Received **Best Teacher Award** in City University of Science and Information Technology, Peshawar for the academic year 2017.

TEACHING INTERESTS

Civil Engineering Materials, Concrete Technology, Mechanics of Solids, Survey, Plain and Reinforced Concrete Design.

RESEARCH INTERESTS

Blended Cement Concrete, Green Concrete, Fiber Reinforced Concrete, Microstructural Study of Concrete and Light Weight Concrete.

EXPERIENCE

- **Lecturer, Department of Civil Technology**, April 2018 – Present
University of Technology Nowshera, KPK, Pakistan
- **Lecturer, Department of Civil Engineering**, February 2018 – April 2018
University of Engineering & Technology, **Campus-III**, KPK, Pakistan
- **Lecturer, Department of Civil Engineering**, January 2016 – February 2018
City University of Science & Information Technology, KPK, Pakistan
- **Lecturer, Department of Civil Engineering**, December 2012 – January 2016
University of South Asia, Lahore, Pakistan

SOFTWARE SKILLS

- Sap2000
- ETABS
- AutoCAD
- Google Sketchup
- MS Office

RESEARCH PROJETS

- Assessment of light weight concrete using pumice stone
- Production of concrete using milled waste glass as partial replacement of cement
- Use of class-f fly ash in concrete
- Effect of different size of coarse aggregate on compressive and flexural strength of concrete
- Characterization of recycled aggregate concrete using silica fume as partial replacement of cement
- Partial replacement of cement by dual approach of silica fume and fly ash in concrete
- Comparison between mechanical properties of Margalla and Sargodha aggregate concrete
- Effect of various sizes of specimens on mechanical properties of concrete

RESEARCH PUBLICATIONS

1. Ibrar Ahmad, Fayaz Ahmad, **Shah Room**, Zubair Abdullah, Muhammad Ihsan., *“Compressive Strength of Cement Mortar blended with Coconut Fibers and Human Hair”* Vol. 1 - Issue 4 (October, 25 2016), Advances in Science, Technology and -Engineering Systems Journal (ASTESJ), ISSN: 2415-6698, www.astesj.com
2. **Shah Room**, Muhammad Aleem, Muhammad Ahmad Rana, Umair Anwar Awan, Sajjad Ali., *“Modification of Asphalt by the Use of Crumb Rubber”* Vol. 4 - Issue 12 (December - 2014), International Journal of Engineering Research and Applications (IJERA), ISSN: 2248-9622, www.ijera.com
3. **Shah Room**, Attaullah Shah, Muhammad Ahmad., *“Production of Sustainable Concrete Using Class-F Fly Ash as Binary Cementitious Material”* (9th International Conference on Construction in 21st Century, “CITC9” 5-7 March, 2017)
4. Habil Ahmad, Attaullah Shah, **Shah Room**, Adil Rafiq., *“Use of Low Resolution Satellite Imagery (LRSI) for Development of Building Inventory”* (9th International Conference on Construction in 21st Century, “CITC9” 5-7 March, 2017)
5. **Shah Room**, Habil Ahmad, Ibrar Ahmad., *“Feasibility Analysis of Silica Fume and Recycled Aggregate for Production of Sustainable Concrete”* (2nd International Conference on Emerging Trends in Engineering, Management and Sciences, “ICETEMS” 28-29 December, 2016)
6. Habil Ahmad, Shukat Ali Khan, **Shah Room**, Attullah Shah., *“A Simplified Method to Develop Building Inventories for Earthquake Risk Assessment in Developing Countries Utilizing Low Resolution Satellite Imagery (LRSI)”* (2nd International Conference on Emerging Trends in Engineering, Management and Sciences, “ICETEMS” 28-29 December, 2016)

7. Nayab Zahra, Arfa Iqbal, Ayesha Kiran, **Shah Room.**, “*Hydraulic and Water Quality Modeling of a Water Supply Scheme Using EPA.NET Software*” (2nd International Conference on Emerging Trends in Engineering, Management and Sciences, “ICETEMS” 28-29 December, 2016)
8. Ayesha Kiran, Arfa Iqbal, Nayab Zahra, **Shah Room.**, “*Evaluation of Drinking Water Quality of Different Areas of Lahore, Pakistan*” (2nd International Conference on Emerging Trends in Engineering, Management and Sciences, “ICETEMS” 28-29 December, 2016)
9. **Shah Room**, Attaullah Shah, Muhammad Zahid Ghani, Muhammad Mohsan., “*Characterization of Recycled Aggregate Concrete Using Silica Fume as Partial Replacement of Cement*” (3rd International Multidisciplinary Research Conference, Global Prosperity through Research & Innovation September 27-28, 2016 | Peshawar-Pakistan)
10. **Shah Room**, Attaullah Shah, Umar Mustafa, Habil Ahmad., “*Concrete The Greatest Source of Depletion (A Step Towards Economical and Sustainable Construction)*” (International Conference on Earth Science Pakistan 2016 Baragali Summer Campus, University of Peshawar July 15-17, 2016)
11. Umar Mustafa, **Shah Room.**, “*To observe the Trend of Glaciers in Gilgit by Using the Moderate Resolution Image Spectrometry (MODIS) Data*” (International Conference on Earth Science Pakistan 2016 Baragali Summer Campus, University of Peshawar July 15-17, 2016)
12. **Shah Room**, Muhammad Ahmad Rana, Sajjad Ali, Akhtar Gul, Muhammad Aleem., “*Doze Optimization of Class-F Fly Ash Incorporated in Green Concrete.* (1st International Conference on Emerging Trends in Engineering, Management and Sciences” ICETEMS” 29-30 December, 2014)
13. **Shah Room**, Mohsin Azam, Sajjad Ali, Akhtar Gul, Muhammad Ahmad Rana., “*Analysis of Cost Effective Construction of Reinforced Concrete Slabs (A Step Towards Economical Construction)*” (1st International Conference on Emerging Trends in Engineering, Management and Sciences, “ICETEMS” 29-30 December, 2014)
14. **Shah Room**, Muhammad Ahmad Rana, Yusra Akram, Raffia Firdous, Muhammad Aleem., “*Assessment of Mechanical Properties of Bagasse Ash Incorporated Concrete*” (1st International Conference on Emerging Trends in Engineering, Management and Sciences, “ICETEMS” 29-30 December, 2014)
15. **Shah Room**, Zohaib Ali, Muhammad Aleem, Umair Anwar Awan, Muhammad Ahmad Rana., “*Effect of Binder Content on Volumetric Properties of Asphalt mix*” (1st International Conference on Emerging Trends in Engineering, Management and Sciences, “ICETEMS” 29-30 December, 2014)
16. **Shah Room**, Muhammad Aleem, Umair Anwar Awan, Muhammad Ahmad Rana, Yusra Akram., “*Modification of Asphalt by Rubber Crumbs.* (1st International Conference on Emerging Trends in Engineering, Management and Sciences, “ICETEMS” 29-30 December, 2014)
17. Nadeem Ullah, **Shah Room**, Muhammad Ahmad Rana, Umair Anwar Awan, Muhammad Aleem., “*Study of Traffic Problems and Suggested Solutions of Thokar Niaz Baiz Intersection*” (1st International Conference on Emerging Trends in Engineering, Management and Sciences, “ICETEMS” 29-30 December, 2014)
18. Sajjad Ali, Zia Ur Rehman, Qasim Khan, **Shah Room**, Ziad Khan., “*Performance of Evaluation of Recycled Aggregate Concrete*” (1st International Conference on Emerging Trends in Engineering, Management and Sciences, “ICETEMS” 29-30 December, 2014)

19. Aashan Ijaz, **Shah Room**, Muhammad Ahmad Rana, Sajjad Ali, Muhammad Aleem., “*Effect of Air and Oven Drying Methods on Soil Plasticity*” (1st International Conference on Emerging Trends in Engineering, Management and Sciences, “ICETEMS” 29-30 December, 2014)
 20. Sajjad Ali, Muhammad Tahir, Mahmood Ahmad, Waheedur Rehman, **Shah Room.**, “*Establishment of Flood Plain Map in Urban Area of Swat*” (1st International Conference on Emerging Trends in Engineering, Management and Sciences. “ICETEMS” 29-30 December, 2014)
 21. Tariq Ali, Mehran Khan, **Shah Room**, Muhammad Ahmad Rana, Amjad Ali, Waqar Mehmood., *Performance of New Concrete Incorporating with Recycled Over Burnt Ballast Aggregate.* (1st Young Engineers Convention, “FEIIC-IYEC” 18-20 April, 2014)
 22. Tariq Ali, Nouman Iqbal, Asfandyar, **Shah Room**, Ziad, Maryam Adnan., “*Analysis of Compressive Strength of Concrete Using Over Burnt Brick Ballast Aggregate*” (Fifth World Engineering Congress at Nust Islamabad, 23-25 September, 2013)
-