

CURRICULUM VITAE



- Name: **Prof. Dr. Aneel Kumar**
- Corresponding/Postal Address: Dean,
Faculty of Science,
Technology and Humanities,
Mehran University of Engineering
& Technology, Jamshoro, Pakistan
- Contact Number: +92-333-2777945
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OBJECTIVES:

- To share expertise and knowledge with team members
- To work on innovative concepts
- To serve the nation

POTENTIALS:

- Sound academic background
- Teaching and research skills
- Supervising and handling Civil Engineering Projects

ACADEMIC QUALIFICATIONS:

- 2005-2008 Doctor of Philosophy (Civil Engineering/Geotechnical Engineering)
Tokyo Institute of Technology, Japan
- 2003- 2005 Master of Engineering (Geotechnical and Geoenvironmental Engineering)
Asian Institute of Technology, Thailand
- 1995-1998 Post Graduate Diploma (Civil Engineering)
Mehran University of Engineering and Technology, Pakistan
- 1990-1995 Bachelor of Engineering (Civil Engineering)
Mehran University of Engineering and Technology, Pakistan

FIELD OF SPECIALIZATION:

- Geotechnical Engineering
- Geoenvironmental Engineering
- Field and Laboratory Testing of Soil
- Sub Soil Investigations
- Design of Shallow and Deep Foundations
- Concrete Technology
- Sustainable Construction Material

RESEARCH INTERESTS:

- Conventional Soil Mechanics
- Mechanical and Chemical Soil Stabilization
- Shallow and Deep Foundation Design
- Contamination Migration through Porous Media
- Soil Remediation Techniques
- Sub Soil Investigations
- Geotechnical Numerical Modelling
- Concrete Repairing Materials
- Concrete Technology
- Sustainable Construction Materials

PROFESSIONAL AFFILIATIONS:

- Member Pakistan Engineering Council
- Member Pakistan Geotechnical Society
- Member, Japanese Geotechnical Society

AWARDS/SCHOLARSHIPS/FUNDING:

- MEXT (Japan) Scholarship for doing Ph.D at Tokyo Institute of Technology, Japan
- HEC-AIT Scholarship for doing M.E. at Asian Institute of Technology, Thailand
- Ministry of Education China Funding for Training Program of the Forum of Civil Engineering Education in Universities of Developing Countries at Hunan University, Chang Sha, Hunan, China (September 10 to September 30 2009)
- Advanced Technical Training on Geotechnical Equipment by Asian Center for Soil Improvement and Geosynthetics at Asian Institute of Technology, Thailand. (November 15- December 17 2010)
- HEC Approved Supervisor

EMPLOYMENT HISTORY:

2010 to date Professor, Department of Civil Engineering, Mehran University of Engineering and Technology, Pakistan

Duties: Teaching Postgraduate and Undergraduates Subjects of Civil Engineering and Administrative Assignments

2009 to 2010 Associate Professor, Department of Civil Engineering, Mehran University of Engineering and Technology, Pakistan

Duties: Teaching Postgraduate and Undergraduates Subjects of Civil Engineering and Administrative Assignments

2000 to 2009 Assistant Professor, Department of Civil Engineering, Mehran University of Engineering and Technology, Pakistan

Duties: Teaching Postgraduate and Undergraduates Subjects of Civil Engineering and Administrative assignments

1998 to 2000 Demonstrator, Department of Civil Engineering, Mehran University of Engineering and Technology, Pakistan

Duties: Demonstrating Practical of Soil Mechanics and Concrete Technology, and Assisting the Senior Teachers in Carrying Out Final Year Thesis Projects

1997 to 1998 Project Engineer, M/S Pritam Das & Co.

Duties: Supervision of Pre-Stressed Bridge Projects from Site Investigation to the Pouring of Deck Slab, which Includes Boring, Concreting, Stressing, and Administration at Site

1995 to 1997 Site Engineer, M/S Pritam Das & Co.

Duties: Supervision of Pre-Stressed Bridge Projects from Site Investigation to the Pouring of Deck Slab, which Includes Boring, Concreting, Stressing, and Quantity Surveying

TEACHING ASSIGNMENTS:

Subjects Taught at Postgraduate Level (ME + PhD)

- Advanced Soil Mechanics and Laboratory Testing
- Advanced Foundation Engineering
- Ground Improvement Techniques
- Soil Instrumentation and Testing
- Repair, Maintenance and Strengthening of Concrete
- Advanced Civil Engineering Materials
- Analysis and Design of Bridges
- Design and Construction of Structural Foundations
- Geotechnical Site Investigations
- Soil Stabilization Techniques

Subjects Taught at Undergraduate Level (BE)

- Soil Mechanics
- Geotechnical Engineering
- Foundation Engineering
- Concrete Technology
- Civil Engineering Materials
- Strength of Materials
- Theory of Structures

ADMINISTRATIVE ASSIGNMENTS:

August 2020 to Date

Dean, Faculty of Science, Technology and Humanities, Mehran University of Engineering and Technology, Jamshoro, Pakistan

Jan, 2017 to August 2020

Chairman, Department of Civil Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan

July, 2013 to Jan 2017

Co-Chairman, Department of Civil Engineering, Mehran University of Engineering and Technology, Jamshoro, Pakistan

July, 2016 to August 2020

Convener (PATCO), Pre-Admission Test Committee of Mehran University of Engineering and Technology, Jamshoro, Pakistan

Jan, 2012 to April, 2017

Inspector College for Affiliated Colleges of Mehran University of Engineering and Technology, Jamshoro, Pakistan

May, 2010 to November, 2013

Coordinator Employees Welfare Cell of Mehran University of Engineering and Technology, Jamshoro, Pakistan

EXTRA CURRICULAR ACTIVITIES/RESPONSIBILITIES

- Expert Member, Inquiry Team of Prime Minister Inspection Commission (PMIC) for Inspection of National Highway and other Roads Constructed by National Highway Authority (NHA) and Communication and Works (C&W) Department of Sindh, Pakistan (2009-2010)
- Senior Vice President, Mehran University Alumina Association (2018-2019)
- Senior Vice President, Mehran University Alumina Association (2020-2021)
- General Secretary, Mehran University Alumina Association (2010-2011)
- Member Executive Body, Mehran University Alumina Association (2012-2013)
- Member Executive Body, Mehran University Alumina Association (2014-2016)
- Member Executive Body, Mehran University Alumina Association (2017-2018)

- Exchange Scientist Under Core University Program Funded by Japanese Society for the Promotion of Science (JSPS) (2008-2009)
- Conference Chair, International Conference on Sustainable Development in Civil Engineering, 23-25 November 2017, Mehran University of Engineering and Technology, Jamshoro
- Conference Chair, 2nd International Conference on Sustainable Development in Civil Engineering, 05-07 December 2019, Mehran University of Engineering and Technology, Jamshoro
- Event Coordinator, International Seminar and Workshop on Design of Building, 22 November 2017, Jointly Organized by Mehran University of Engineering and Technology Jamshoro and Asian Institute of Technology, Thailand
- Master of Ceremony of International Symposium, Exhibition, and Short Course on Geotechnical and Geosynthetics Engineering: Challenges and Opportunities on Climate Change 7 to 9 December 2010, Bangkok, Thailand
- Member Organizing Committee for Organizing 15th South East Asian Geotechnical Conference, 22-26 November 2004, Bangkok, Thailand

REFERENCE:

- Dr. Jiro Takemura
Associate Professor, Department of Civil Engineering
Tokyo Institute of Technology, Tokyo, Japan
Email: takemura.j.aa@m.titech.ac.jp
- Prof. Dennis. T. Bergado
Geotechnical Specialist, Blue Line Extension Project
Mass Rapid Transit Authority (MRTA), Thailand
Adjunct Professor, Griffith University, Brisbane, Australia
Email: dbergado@gmail.com
- Dr. Ulrich Glawe
Chief Engineering Geologist
Lai Chau Hydroelectric Project
Nam Nhun Town, Nam Nhun District
Lai Chau Province, Vietnam
Email: enggeoconsult@gmail.com

PHD THESIS SUPERVISION:

1. Zaffar Suhail (In Progress): Stabilization of Jamshoro Shale with Organic Ashes
2. Muhammad Rehan Hakro (In Progress): The Behavior of Shallow Foundations on Expansive Soil of Jamshoro
3. Raghbir Ali Shah (In Progress): Numerical Analysis of Settlement and Bearing Capacity of Coastal Soils of Sindh

ME THESIS SUPERVISION:

1. Khushik, Imtiaz Ali (2012): Tensile and Flexural Strength of Silica Fume Made Concrete
2. Zaffar Suhail (2012): Strength Variation in Structure Concrete Made with Coarse Aggregate Available in the Vicinity of Karachi
3. Baloch, Muhammad Ashraf (2013): Optimization of Mix Design by Using Water Reducing Admixture (Ultrta Plas 300)
4. Mangi, Waheed (2014): Analysis of a High Rise Building against External Explosion
5. Hazoor, Abrar (2015): Calculation of PCU in Heterogeneous Traffic System in Pakistan
6. Hazoor, Anwar (2015): Estimation of Model Shift of New BRT in Quetta
7. Shah, Syed Raghbir Abbas (2015): Strengthening of RCC Beams by Using Additional Main Bars and Shear Stirrups with Locally Available Bonding Materials
8. Memon, Tarique Ahmed (2016): Effect of Crumb Rubber on Macro Texture of Asphalt Surfacing
9. Korejo, Rahmatullah (2016): Stabilization of Jamshoro Soil with Cement
10. Mastoi, Amir Khan (2016): Numerical Analysis of Silty Soil Blended with Granular Soil for Use in Highway Subgrade
11. Qadir, Naila (2016): Study of Compressive Strength of RCC Beams Damaged by Fire
12. Lashari, Ayaz Ahmed (2016): Study of Rigid Bond Admixture Sprayed Steel on the Strength of RCC Slabs
13. Solangi Bashir Ahmed (2016): Effects of Dampness on Building Structures
14. Memon, Aijaz Hussain (2016): Re-Strengthening of RCC Beams by Using Extra Main Bars with Locally Available Bonding Material
15. Meghwar, Shankar Lal (2016): Human Scalp Hair as Fiber Reinforcement in Cement Concrete
16. Akhtar, Waqas (2017): Performance Evaluation of Control and Modified Asphaltic Course (M-9 Construction)
17. Mehroz, Atta (2017): Travel Response towards Street Crimes and Security Issues on Mode Choice Decisions

18. Murtaza, Ali (2017): Correlations between California Bearing Ratio and Index Properties of Jamshoro Soil
19. Kumar, Ashok (2017): Stabilization of Jamshoro Soil with Lime and Cement
20. Ali, Asghar (2018): Design of Wearing Course Using SBS Modified Bitumen
21. Ghanghro, Shabana (2018): Date Palm Fiber as Geo Reinforcement For Shale
22. Channa, Ahsan (2018): Effect of Organic Waste on Soil Permeability
23. Almani Saqib (2018): Repair of Structural Concrete in Tension by Using Expanmortar
24. Memon, Raqeeb (2018): Conventional Characteristics of Bitumen Before and After Short Term Aging
25. Abbasi, Suhai Ahmed (2018): Utilization of Waster Glass and Silica Fume in Concrete
26. Jatoi, Masroor Ali (2018): Study of R.C.C Slab Made with Lakhra Fly Ash while Replacing Cement
27. Memon, Razaque (2018): Effect of Jute Fiber on the Strength of A-4 Soils
28. Siddiqui, Anees Raja (2018): Strength Behavior of Bentonite Clay Reinforced with Bagasse Fiber
29. Unar, Waqar Ahmed (2018): Effect of Jute Fiber on Strength and Swelling Behavior of Bentonite
30. Sahito Izat Ali (2018): Estimation of Shear Strength parameters of Compacted soil by Dynamic Cone Penetrometer (DCP)
31. Kumar, Manoj (2018): Effect of Stabilizers Applying Technique on the Strength Characteristics of the Soils
32. Marwari, Lalchand (2018): Evaluation of Compaction Characteristics of Soils Using Dynamic Cone Penetrometer
33. Karira Hemu (2019): Correlation between Chemical and Index Properties of Soils of Hyderabad Region
34. Malik, Nadia (2019): strength characterization of Soorh modified cement mortar
35. Ali, Nizakat (2019): Effect of Soil Stabilizers on Consolidation Characteristics of Remolded Clay
36. Zaman, Gul (2019): Geotechnical Properties of Soil-Crete with Shale
37. Das, Vishan (2019): Effect of Soil Stabilizers on Strength Characteristics of Bricks
38. Shah, Tajik Mustafa (2019): Experimental and Numerical Investigations into the Behavior of Local Brick Masonry
39. Dayo, Ali Aizaz (2019): Mechanical Properties of Concrete Due to Partial Replacement of Sand with Sugarcane Baggase Ash
40. Noor, Ammar (2019): Strength Behavior of Clay Soil Reinforced with Waste Plastic Bottles Strips
41. Shah, Jazeb Qadir (2019): Design and Evaluation of Hot Mix Asphalt Using Brick Dust and Fly Ash as a Mineral Filler Replacement
42. Hussain, Umair (2019): An Evaluation of Corn Cob Ash on the Strength Parameters of Bentonite Clay

43. Abro, Sarfraz Ali (2019): Performance of Mechanically Stabilized Earth (MSE) Wall Reinforced with Crumb True Rubber
44. Fatima, Ghulam Saba (2020): Buckling Behavior of Piles Reinforced With Fiber Reinforced Soilcrete in Liquefiable Soil
45. Khalid Khawar (2020): Performance of Mechanically Stabilized Earth Embankment Reinforced with Crumb Tire Rubber
46. Zohra, Chhanve (2020): Correlations between Relative Density and Compaction Test Parameter
47. Laila, Prih (2020): Effect of Date Palm Fiber on the Engineering Properties of Expansive Jamshoro Shale
48. Ali, Moiz (2020): Geotechnical Properties of Silty Sand Reinforced with Poly Propylene Woven Bags
49. Kumar, Sandeep (2021): The effect of Water Quality on Fresh and Hardened Properties of Concrete
50. Ali Sabir (2021): Properties of Concrete Using Sugarcane Bagasse Ash and Metakaolin as Partial Replacement of Cement
51. Ahmed, Israr (2021): Effect of Fly Ash and Silica Fume on Mechanical Properties of Roller Compacted Concrete
52. Ali, Mohsin (2021): Effect of Polyester Fiber on High Strength Concrete
53. Shaikh, Zubair Ahmed (2021): Investigation on Selected Properties of Concrete Blended with Maize Cob Ash
54. Ahmed, Shabir (2021): Comparison Between Compressive Strength of Self Curing Concrete Using PEG-400 with Conventional Concrete
55. Ahmed, Farhan (2021): Alkali-Silica Reactivity of Aggregates in Hyderabad-Jamshoro Region
56. Abro, Abdul Wahab (2021): Investigation on Mechanical Properties of Concrete Blended with Groundnut Shell Ash
57. Memon Nazim Nizar (2021): Effect of Saline Water on CBR and Swelling Characteristics of Soil

PUBLICATIONS:

1. Naraindas Bheel, Montasir Osman Ahmed Ali, Mehmet Serkan Kirgiz, Andre Gustavo de Sousa Galdino and **Aneel Kumar**: Fresh and Mechanical Properties of Concrete Made of Binary Substitution of Millet Husk Ash and Wheat Straw Ash for Cement and Fine Aggregate, Journal of Materials Research and Technology (**Elsevier**), Vol. 13, pp. 872–893, Jul–Aug, 2021 [**Impact Factor 5.289; HJRS Category W**] [<https://doi.org/10.1016/j.jmrt.2021.04.095>]
2. Rabinder Kumar, Nasir Shafiq, **Aneel Kumar** and Ashfaque Ahmed Jhatial: Investigating embodied carbon, mechanical properties, and durability of high-performance concrete using ternary and quaternary blends of metakaolin, nano-silica,

and fly ash, *Environmental Science and Pollution Research* (**Springer**), Published online April 30, 2021 [<https://doi.org/10.1007/s11356-021-13918-2>]
[Impact Factor 3.056; HJRS Category W]

3. Ashfaque Ahmed Jhatial, Wan Inn Goh, Touqeer Ali Rind and **Aneel Kumar**: Thermal Performance Simulation of Eco-Friendly Lightweight Foamed Concrete Incorporating Palm Oil Fuel ash and Eggshell Powder Using ABAQUS, Silicon, (**Springer**), Published online January 11, 2021 [<https://doi.org/10.1007/s12633-020-00907-2>] [Impact Factor 1.499; HJRS Category X]
4. Naraindas Bheel, Manthar Ali Keerio, **Aneel Kumar**, Jam Shahzaib, Zohaib Ali, Mouzzam Ali and Samiullah Sohu: An Investigation on Fresh and Hardened Properties of Concrete Blended with Rice Husk Ash as Cementitious Ingredient and Coal Bottom Ash as Sand Replacement Material, Silicon (**Springer**), Published online January 03, 2021 [<https://doi.org/10.1007/s12633-020-00906-3>]
[Impact Factor 1.499; HJRS Category X]
5. Israr Ahmed, **Aneel Kumar**, Samar Hussain Rizvi, Mohsin Ali, Sabir Ali: Effect of Silica Fume as Partial Replacement of Cement on Compressive Strength of Roller Compacting Concrete, *Quest Research Journal*, Vol. 18, No. 2, pp. 145–149, Jul–Dec, 2020 [HJRS Category Y]
6. Mohsin Ali , **Aneel Kumar**, Samar Hussain Rizvi, Sabir Ali, Israr Ahmed: Effect of Polyester Fiber on Workability Property of High Strength Concrete, *Quest Research Journal*, Vol. 18, No. 2, pp. 102–108, Jul–Dec, 2020 [HJRS Category Y]
7. Sabir Ali, **Aneel Kumar**, Samar Hussain Rizvi, Mohsin Ali, Israr Ahmed: Effect of Sugarcane Bagasse Ash as Partial Cement Replacement on the Compressive Strength of Concrete, *Quest Research Journal*, Vol. 18, No. 2, pp. 44–49, Jul–Dec, 2020 [HJRS Category Y]
8. Manthar Ali Keerio, Suhail Ahmed Abbasi, **Aneel Kumar** , Naraindas Bheel, Khalil ur Rehman and Muhammad Tashfeen: Effect of Silica Fume as Cementitious Material and Waste Glass as Fine Aggregate Replacement Constituent on Selected Properties of Concrete, Silicon (**Springer**), Published online November 06, 2020
Impact Factor 1.499; HJRS Category X]
[<https://doi.org/10.1007/s12633-020-00806-6>]
9. Shanker Lal Meghwar, Ghous Bux Khaskheli and **Aneel Kumar**: Human Scalp Hair as Fiber Reinforcement in Cement Concrete, *Mehran University Research Journal of Engineering and Technology*, Vol. 39, No.2, pp. 443-452, April, 2020
[HJRS Category X]
10. Faisal Iqbal , Kareem Khan , **Aneel Kumar** , Fahad ul Rehman , Sarang Jokhio , Aquib Qadir Tunio: Risks, Challenges, Benefits and Opportunities Associated With Bot Projects in Pakistan: A Case Study on M-9 Motorway Project, 2nd International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 02, pp. 80-88, December, 2019

11. Ali Aizaz Dayo, **Aneel Kumar**, Anees Raja, Naraindas Bheel, Abdul Wahab Abro and Zubair Hussain Shaikh: Effect of Sugarcane Bagasse Ash as Fine Aggregates on the Flexural Strength of Concrete, 2nd International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 130-133, December, 2019
12. Mirza Adil Ahmed Mughal, Arshman Ahmed Memon, Doulat Ram Kolhi, Sagar Dodai, Waleed Ahmed Arain, **Aneel Kumar** and Anees Raja: Effects of Sugarcane Bagasse Ash on the Strength Characteristics of Bentonite Clay, 2nd International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 330-334, December, 2019
13. Prih Laila, **Aneel Kumar** and Rizwan Ali Memon: Effect of Date Palm Fiber on the Engineering Properties of Expansive Jamshoro Shale, 2nd International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 335-337, December, 2019
14. Nizakat Ali Bahalkani, **Aneel Kumar**, and Agha Faisal Habib Pathan: Effect of Fly Ash on Consolidation Characteristics of Compacted Clay, 2nd International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 338-343, December, 2019
15. Sarfaraz Ali Abro, Shahbaz Sangrasi, Khawar Latif, **Aneel Kumar** and Zaheer Almani: Effect of Surcharge Load on MSE Wall Reinforced with Tire-Derived Aggregate, 2nd International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 344-349, December, 2019
16. Ashok Kumar, **Aneel Kumar** and Ghous Bux Khaskheli: Utilization of Cement content for Stabilization of Jamshoro Soil, 2nd International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 354-358, December, 2019
17. Ammaar Noor Memon, **Aneel Kumar**, Noor Ahmed Memon, Mutahar Ali Amur, and Umair Hussain Memon: Potential of Waste Plastic (PET) Bottles Strips as Reinforcement Material for Clayey Soil, 2nd International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 359-361, December, 2019
18. Lal Chand Marwari, **Aneel Kumar**, Naeem Aziz Memon, Shankar Lal Meghwar Anees Raja Siddiqui and Anees Ahmed Vighio: Evaluation of Compaction Characteristics of A-7-5 Soil Using Dynamic Cone Penetrometer, 2nd International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 362-364, December, 2019
19. Moiz Ali1, Zaheer Almani, **Aneel Kumar** and Umair Hussain Memon and Nazim Nisar Memon1 Geotechnical Properties of Silty Sand Reinforced with Polypropylene Woven Bags, 2nd International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 370-373, December, 2019
20. Aqsa Murad, Muhammad Hassan and **Aneel Kumar**: Seismic Analysis of a High-Rise Building A Case Study, 2nd International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 584-388, December, 2019

21. Tajik Mustafa Shah, **Aneel Kumar**, Syed Naveed Raza Shah, Ashfaque Ahmed Jhatial, Mudasar Hussain Janwery: Evaluation of the Mechanical Behavior of Local Brick Masonry in Pakistan, Engineering, Technology and Applied Science Research Journal, **ISI Indexed**, Volume. 09, No. 03, pp. 4298-4300, 2019
[HJRS Category: Y]
22. Ammaar Noor Memon,, **Aneel Kumar**, Noor Ahmed Memon, Abdul Hafeez Memon, and Mutahar Ali Amur: Stabilization and Reinforcing of Soft Soils with Various Materials Including PET Strips – A Review, International Journal of Modern Research in Engineering & Management Volume. 02. No. 9, pp. 01-04, September 2019
23. Sarfaraz Ali Abro, Zaheer Almani, **Aneel Kumar**, Khawar Khalid and Shahbaz Sangrasi: Performance of MSE Wall Reinforced with Crumb Tire Rubber, Engineering Science and Technology International Research Journal, Volume.03, No.2, pp. 21-254, June 2019
24. Umair Hussain Memon, **Aneel Kumar**, Zaheer Almani, Nazim Nisar Memon and Ammaar Noor Memon: An Evaluation of the Influence of Corn Cob Ash (CCA) on the Strength Parameters of Bentonite Clay, International Journal of Modern Research in Engineering & Management Volume. 02. No. 4, pp. 33-38, April 2019
25. Nizakat Ali, **Aneel Kumar** and Agha Faisal Habib Pathan: Effect of Soil Stabilizers on Consolidation Characteristics of Compacted Clay, Engineering Science and Technology International Research Journal, Volume. 03, No.1, pp. 25-28, March 2019
26. Zubair Hussain Shaikh, **Aneel Kumar**, Manthar Ali Kerio, Naraindas Bheel, Ali Aizaz Dayo and Abdul Wahab Abro: Investigation on Selected Properties of Concrete Blended With Maize Cob Ash, 10th International International Civil Engineering Conference (ICEC-2019) “Technological Transformation of Civil Engineering” Karachi, Pakistan, February 23-24, 2019.
27. **Aneel Kumar**, Tauha Hussain Ali and Agha Faisal Habib: Impact of vertical stresses on geotechnical properties of sand, 1st Global Civil Engineering Conference, Kuala Lumpur Malaysia, July 25-28, 2017, [Published In Pradhan B. (eds) GCEC 2017. GCEC 2017. Lecture Notes in Civil Engineering, Vol 9. **Springer**, Singapore, PP. 1177-1183, 2019] https://doi.org/10.1007/978-981-10-8016-6_82
28. Hemu, **Aneel Kumar**, Anees Raja and Ali Murtaza Phull: Correlations Between Chemical and Index Properties of Hyderabad Region, Civil Engineering Journal, **ISI Indexed**, Volume. 04, No. 12, pp. 2821-2839, December 2018
<http://dx.doi.org/10.28991/cej-03091201> **[HJRS Category: Y]**
29. Gul Zaman, Zaheer Ahmed Almani, and **Aneel Kumar**: The Geotechnical Properties of Jamshoro Soil (Shale) With Cement, International Journal of Modern Research in Engineering and Management, Volume. 01, No. 10., pp. 08-13, November 2018
30. **Aneel Kumar**, Tauha Hussain Ali and Agha Faisal Habib: Effect of Length of Steel Fibers on Splitting Tensile Strength of Concrete, International Conference on

Advances on Civil and Environmental Engineering, Indonesia, Paper ID 24, October 24-25, 2018

31. Manoj Kumar, **Aneel Kumar**, Naeem Aziz Memon: Effect of Stabilizer Applying Technique on Strength Characteristics of Soil, Engineering Science and Technology International Research Journal, Volume.02, No. 3, pp. 147-150, September, 2018
32. **Aneel Kumar**, Faisal Iqbal, Rizwan Ali Memon and Agha Faisal Pathan,: Tensile and Flexural Strength of Cement Silica Fume Concrete, International Journal of Civil Engineering and Technology (IJCIET), **Scopus Indexed**, Vol. 9, No. 7, pp.390–402, July 2018
33. Anees Raja and **Aneel Kumar**: Use of Bagasse as Natural Fiber for Soil Reinforcement, International Journal of Science Research & Sustainability, Vol.1, No. 1, pp-13 17, 2018
34. Faisal Iqbal, **Aneel Kumar** and Ali Murtaza.: Co-Relationship between California Bearing Ratio and Index Properties of Jamshoro Soil, Mehran University Research Journal of Engineering and Technology, Vol. 37, No.1, pp. 177-190, January, 2018 **[HJRS Category X]**
35. Izat Ali Sahito, **Aneel Kumar**, Ali Murtaza and Naeem Aziz Memon: Estimation of Shear Strength Parameters of A-4 Soil by Dynamic Cone Penetrometer (DCP), 9th International Civil Engineering Conference (ICEC-2017), “Striving Towards Resilient Built Environment”, Karachi, Pakistan December 22-23, 2017
36. Nadia Malik and **Aneel Kumar**: Development of an Empirical Co-Relationship between Dynamic Cone Penetrometer (DCP) and Maximum Dry Density (γ_{max}) of Different Soils, International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 02, pp. 01-08, November, 2017
37. Shabana Ghanghro, **Aneel Kumar** and Zaheer Almani: Date Palm Fiber as Geo Reinforcement Material for Shale, International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 08-11, November, 2017
38. Ashok Kumar, **Aneel Kumar** and Ghous Bux Khaskheli: Stabilization of Jamshoro Soil with Lime, International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 17-22, November, 2017
39. Waqas Akhtar, Naeem Aziz Memon, **Aneel Kumar**, Gohar Nadeem and Shakeel Baloch: Comparison of Control and Crumb Rubber Modified Asphalt for Rutting Potential (M.9 Construction), International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 126-130, November, 2017

40. Chhanve Zohra, Preh Laila and **Aneel Kumar**: Correlations between Relative Density and Compaction Test Parameters, International Conference on Sustainable Development in Civil Engineering, Pakistan, Vol. 01, pp. 219-223, November, 2017
41. **Aneel Kumar**, Khasheli, G. B. and Korejo, R.: Improving CBR Value and Swelling Potential of Jamshoro Soil by Cement, Proc. of the 7th Regional Symposium on Infrastructure Development, Bangkok, Thailand, Vol 20 No. 7, pp. 158-162, November, 2015
42. **Aneel Kumar.**, Takemura, J. and Pathan, A. F. H: Influence of Acoustic Excitation on Effluent Concentration of Zinc from Clayey Soil, International Journal of Innovative and Exploring Engineering (IJITEE) Vol. 3, No. 3, pp. 20-23, August 2013
43. Salahuddin, Marri, A., **Aneel Kumar.**: Isotropic Compression Behavior of Fiber Reinforced Cemented Sand, Mehran University Research Journal of Engineering and Technology, Vol. 32, No.3, pp. 381-390, July, 2013 [**HJRS Category X**]
44. **Aneel Kumar**, Khaskheli, G.B, and Phul A. M.: Effect of Marble Powder on Various Geotechnical Properties of Jamshoro Soil, Proc. Third International Conference on Construction in Developing Countries (ICCIDC-III), Bangkok, Thailand, pp. 695-700, July, 2012
45. **Aneel Kumar** and Khaskheli, G.B: Effect of Cement Content on Unconfined Compressive Strength of Jamshoro Soil, Proc. International Symposium on Sustainable Geosynthetics and Green Technology for Climate Change (SGCC), Bangkok, Thailand, pp. 169-175, June, 2012
46. S. Artidteang, Bergado, D.T., Saowapakpiboon, J., Teerachaikulpanich, N. and **Aneel Kumar**: Enhancement of Efficiency of Prefabricated Vertical Drains Using Surcharge, Vacuum and Heat Preloading, Geosynthetics International, (**ICE Virtual Library**), Vol. 18, No.1, pp. 35-47, February 2011
[\[https://doi.org/10.1680/gein.2011.18.1.35\]](https://doi.org/10.1680/gein.2011.18.1.35)
[Impact Factor 1.474; HJRS Category W]
47. **Aneel Kumar**, Koide, T. and Takemura, J.: Influence of Acoustic Excitation on Sorption and Desorption of Zinc from Clayey Soils, Proc. the 14th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, Hong Kong, China, Paper No. 302, May 2011
48. **Aneel Kumar.**, Khaskheli, G. B. and Sanjrani, A. L.: Silica Fume Made Concrete in Tension, Mehran University Research Journal of Engineering and Technology, Vol. 29, No.3, pp. 507-514, July, 2010 [**HJRS Category X**]

49. **Aneel Kumar** and Takemura, J: Effects of Acoustics on Desorption of Zinc from Illite and Silica, Proc. International Conference Environmental Science and Technology, Bangkok, Thailand, pp. 99-103, April, 2010
50. Khaskheli, G. B., **Aneel Kumar** and Sanjrani, A. L.: Silica Fume Concrete in Flexure, Mehran University Research Journal of Engineering and Technology, Vol. 29, No.3, pp. 499-506, July, 2010 [**HJRS Category X**]
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