



Institute of Environmental Engineering & Management,
Mehran UET, Jamshoro,
Sindh, Pakistan
+92-22-2772250-72 (Ext. 7303), +92-300-3071014
sheerazahmed.memon@faculty.muet.edu.pk

PROF. DR. SHEERAZ AHMED MEMON

EDUCATION

Ph.D.

in Environmental Engineering @ Myongji University, South Korea, 2011-2015

M.S

in Environmental Engineering @ Myongji University, South Korea, 2007-2009

B.E

In Civil Engineering @ Mehran UET, Jamshoro, 1998-2003

EMPLOYMENT HISTORY

PROFESSOR (BPS 21)

December 17th, 2021 – Up to date

@ Institute of Environmental Engineering & Management, Mehran UET, Jamshoro

DIRECTOR

April 20th, 2017- April 19, 2023

@ Institute of Environmental Engineering & Management, Mehran UET, Jamshoro

ASSOCIATE PROFESSOR (BPS 20)

October 27th, 2016 – December 17th, 2021

@ Institute of Environmental Engineering & Management, Mehran UET, Jamshoro

ASSISTANT PROFESSOR (BPS-19)

January 18th, 2010 – October 27th, 2016

@ Institute of Environmental Engineering & Management, Mehran UET, Jamshoro

ASSISTANT PROFESSOR (BPS-19)

April 2nd, 2009 – January 17th, 2010

@ Department of Environmental Engineering, NED University, Karachi

ASSISTANT DIRECTOR (BPS-17)

April 25th, 2005 – December 31st, 2006

@ Agricultural and Water management Department Government of Sindh

JUNIOR CIVIL ENGINEER

March 1st, 2003 – April 24th, 2005

@ Shaheen Corporation Latifabad, Hyderabad, Pakistan

ACADEMIC AND RESEARCH EXPERIENCE

- Deliver lectures at Ph.D., Masters and Undergraduate level.
- Assist the departmental/university authorities in preparing the courses and syllabi, conducting the exams, scheduling for academic years, laboratories, curricular and extra-curricular activities.
- Development of safety procedures and protocols for prescribed laboratory analyses
- Having diversified research interests, which range from Stormwater Engineering to Wastewater Engineering and include analytical, numerical and experimental investigations. My research activities include technical assistance to departmental research groups in the field of Water and Wastewater.

ACHIEVEMENTS & AFFILIATION

- **HEC-Approved Supervisor**
- **Member.** Prospectus Committee, Mehran UET, Jamshoro, 14-06-2023
- **Member,** Board of Studies (BoS), Department of Environmental Science, Aror University of Art, Architecture, Design and Heritage, Sukkur, Sindh, , 25-05-2023.
- **External Expert** for the Panel of Examiner of Ph.D, Dawood University of Engineering & Technology, 20-01-2023.
- **Keynote Speaker,** 5th National Conference on Issues, Trends and Development In The Field of Energy & Environment, Quaid-E-Awam University Of Engineering, Science & Technology Nawabshah, Sindh, Pakistan, 18-20, January, 2023
- **Member,** Advanced Studies and Research Board, Mehran UET, Jamshoro, 10-05-2022.
- **Member,** Mehran UET, for Quality Assurance Agency, HEC, Islamabad 29-11-2021
- **Member,** Times Higher Education World University Ranking, MUET, Jamshoro 11-10-2021.
- **Member** Technical Committee on Competitive Research Programme, Pakistan Science Foundation (PSF), 2021
- **Member/Secretary,** Research Funding Committee, Mehran UET, Jamshoro, 15-06-2021.
- **Convener,** SAR Assessment Team, Mehran UET, Jamshoro, March 05, 2021
- **Member,** Standard of Self-Assessment of QAA, HEC for ME/MS/M.Phil and Ph.D. programs, Mehran UET, Jamshoro 05-03-2021
- **Secretary,** Academic Heads Committee, Mehran UET, Jamshoro, January 14, 2021.
- **Convener,** BOS, Postgraduate Program in IEEM, Mehran UET, Jamshoro 01-2020
- **Member** of Board of Studies, Department of Environmental Engineering, Quaid-e-Awam University of Engineering, Science & Technology, Nawabshah, Sindh, Pakistan, 22-11- 2019
- **Member** of Board of studies, Department of Energy & Environment Engineering, Dawood University of Engineering & Technology, Karachi Sindh, Pakistan 21-11-2019
- **Member,** Provincial Climate Change Policy Implementation Committee, Mehran UET, Jamshoro 31-03- 2017
- **Member/Secretary,** ME/MS/M.Phil. Review Committee, Mehran UET, Jamshoro, November 18, 2020.
- **Member/Secretary** Post Graduate Regulation Review Committee, Mehran UET, Jamshoro, March 03, 2019
- **Member,** DMRC-ORIC, Mehran UET, Jamshoro, 02-09-2019
- **Member,** Procurement Committee, Mehran UET, Jamshoro, 31-05-2019
- **Member/Secretary,** Postgraduate Regulations Revision Committee, Mehran UET, Jamshoro 03-2019
- **Member,** of Board of studies of Centre for Environmental Science, University of Sindh, Jamshoro, Pakistan 19-09-2018
- **Member,** ME/MS/M.Phil and Ph.D. program Internal Review Committee, Mehran UET, Jamshoro, 20-02-2018
- **Member** of National Curriculum Revised Committee in Environmental Engineering by Higher Education Commission Pakistan 2017
- **Member,** Convocation Committee, Mehran UET, Jamshoro,

Ph.D. Produced:

- **DR. ARSHAD MEMON** “Development of Protective Clothing from the Eco-Friendly Materials”-2021

ADMINISTRATIVE RESPONSIBILITIES

- Identifying core competencies of the Institution.
- Responsibility and accountability for setting and advancing the academic strategy of the Institute in line with Faculty and University strategic plans and direction.
- To set high standards of discipline, commitment and involvement in work pattern.
- Development and sustainment of appropriate structures for management, consultation, decision-making and communication with staff and students
- Promotion and representation of the University both internally and externally.
- Administration of Institute relevant tasks including day to day execution of teaching, research and management.
- Maintain the general discipline of the students and staff of the Institute.
- Ensuring that staff performance is managed appropriately and that fair workload allocation processes are in place.

PUBLICATIONS

PUBLICATION(S) AS 1ST AUTHOR

- **Sheeraz Memon**, Ma. Cristina Paule, Sunghoon yoo, Raja Umer, Bum-Yeon Lee, Chinzorig Sukhbaatar, Chang-Hee Lee. 2017. “Trend of storm water runoff pollutants temporal variability from different land use sites in Korea”, *Desalination & Water Treatment*. Vol. 63, pp. 433–441. (Impact Factor: 1.504)
- **Sheeraz Memon**, Ma. Cristina Paule, Bum-Yeon Lee, Raja Umer, Chinzorig Sukhbaatar, Chang-Hee Lee. 2015. “Investigation of turbidity and suspended solids behavior in storm water run-off from different land-use sites in South Korea”, *Desalination and Water Treatment*, Vol. 53, pp. 3088–3095. (Impact Factor: 1.272).
- **Sheeraz Memon**, Ma. Cristina Paule, Shin-Jeong Park, Bum-Yeon Lee, Sunhae Kang, Raja Umer, Chang-Hee Lee (2013), “Monitoring of land use change impact on stormwater runoff and pollutant loading estimation in Yongin watershed, Korea”, *Desalination and Water Treatment*, Vol. 51, pp. 4088–4096. (Impact Factor: 1.173)
- **Sheeraz Memon**, Sunghoon Go, Chang-Hee Lee (2013), “Evaluation of First Flush Phenomenon from Bridge and Parking Lot Sites in the Gyeongan Watershed in Korea”, *Water Environment Research Journal*, Vol. 85, No. 3, pp. 203-210. (Impact Factor: 1.0).

PUBLICATION(S) WITH M.E STUDENTS

- Junaid Kalhoro, **Sheeraz Ahmed Memon**, Pardeep Kumar, Gianchandani, Abdul Khaliq Jhatial, Aijaz Ahmed Babar, June 2022, “Multi-Functional Finishing of Cotton Fabric Nano Fabrics by Sol-Gel Coating”, *Sindh University Research Journal (Science Series)* Vol. 54, Issue No. 02, pp. 83-89, ISSN No. 1813-1743
- Sundus Saeed Qureshi, **Sheeraz Ahmed Memon**, Raf ul Zaman, Nanik Ram, Sumbul Saeed, Nabisab Mujawar Mubarak, Rama Rao Karri, 14 October 2022, “Rapid adsorption of selenium removal using iron manganese-based micro adsorbent”, *Scientific Reports*, pp. 1-13 (Impact Factor: 4.996)
- Love Kumar, Matthew J. Deitch, Imran Aziz Tunio, Avinash Kumar, **Sheraz Ahmed Memon**, Lauren Williams, Uroosa Tagar, Ramna Kumari, Sarosh Basheer, July 2022, “Assessment of physicochemical parameters in groundwater quality of desert area

(Tharparkar) of Pakistan, Case Studies in Chemical and Environmental Engineering and Vol. 6 and pp. 1-10 and ISSN: 2666-0164

- Hamza Baloch, Barkatullah Kandhro, Azizullah Channa, **Sheeraz Ahmed Memon**, Muhammad Yousuf Jat Baloch and Abdul Aziz Chan, February 23, 2022, "Enhancement of Biogas Production from Fixed Dome Biogas Plant through Recycling of Digested Slurry", International Journal of Environmental Sciences & Natural Resources, Vol. 29, Issue 5, pp. 1-(Impact factor: 1.209)
- Riaz Ahmed Soomro, **Sheeraz Ahmed Memon**, Rafi O Zaman Brohi, and Khan Muhammad Brohi, 02 November 2021, "Mn/Ni As Effective Catalyst for Photo degradation of Diclofenac in Aqueous Media", Russian Journal of Physical Chemistry A, Vol. 95, No. 11, pp. 2348–2354. (Impact factor: 0.691)
- Sundus Saeed Qureshi, Azizullah Channa, **Sheeraz Ahmed Memon**, Qamaruzaman Khan, Ghazala Akbar Jamali, Azeem Panhwar, Tawfik A. Saleh, August 2021, "Assessment of physicochemical characteristics in groundwater quality parameters", Environmental Technology & Innovation, Vol. 24, pp. 1-13 (Impact factor: 5.263)
- Imran Nazir Unar, Ghulamullah Maitlo, Sikandar Ali Abbasi, Masroor Abro, Raja Fahad Qureshi, **Sheeraz Ahmed Memon**, Tanveer Hussain, Kashif Hussain Mangi, August 2021, "Modeling and Simulation of Solar Flat Plate Collector for Energy Recovery at Varying Regional Coordinates", Environmental Science and Pollution Research, Vol 28, pp 1-14, (Impact Factor: 4.306).
- Muhammad Saleem Raza, Shabir Hussain Khahro, **Sheeraz Ahmed Memon**, Tauha Hussain Ali, Nafees Ahmed Memon, 5 July 2021, "Global Trends in Research on Carbon Footprint of Buildings During 1971–2021: A Bibliometric Investigation", Environmental Science & Research, Vol. 25, Issue 25, pp. 1-10 (Impact Factor: 4.223).
- Aamir Abbasi, **Sheeraz Ahmed Memon**, Raja Fahad Qureshi, Mujahid Mehdi, Muzamil Khatri, Farooq Ahmed, Zeeshan Khatri and Ick Soo Kim, December 2020, "Adsorptive defluoridation from aqueous solution using a novel blend of eggshell powder and chitosan nanofibers", Materials Research Express, Vol. 7, Issue 12, pp. 1-8 (Impact Factor: 1.620).
- Natesh Kumar, Ali Asghar Mahessar, **Sheeraz Ahmed Memon**, Kamran Ansari, Abdul Latif Qureshi, February 2020, "Impact Assessment of Groundwater Quality using WQI and Geospatial tools: A Case Study of Islamkot, Tharparkar, Pakistan", Engineering, Technology & Applied Science Research, vol. 10, issue No. 1, pp. 5288-5294 ISSN: 2241-4487.
- Ali Akbar Babar, Iqra Panhwar, Sabeen Qureshi, **Sheeraz Memon**, Zuhaib Siddiqui, March 2019, "Utilization of Biomass (Rice Straw) to Produce Activated Charcoal Through Single Stage Pyrolysis Process", Journal of International Environmental Application & Science, Vol. 14, Issue I, pp. 1-6 (ISSN: 2636-7661).
- Mian Jawaduddin, **Sheeraz Ahmed Memon**, Naraindas Bheel, Farhad Ali, Nisar Ahmed, Abdul Wahab Abro, February 2019, "Synthetic Grey Water Treatment Through FeCl₃-Activated Carbon Obtained from Cotton Stalks and River Sand", Civil Engineering Journal, Vol. 5, No. 2, ISSN: 2476-3055.
- Arif Hussain Jauto, **Sheeraz Ahmed Memon**, Azizullah Channa & Asif Hussain Khoja, January 2019, "Efficient removal of cyanide from industrial effluent using acid treated modified surface activated carbon", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, (Impact Factor: 1.184).

- Ali Akbar Babar, **Sheeraz Ahmed Memon**, Muhammad Faizer Ali, Farooq Ahmed Memon, January 2019, "Comparison of Combined Filter and Activated Carbon on Treatment of Synthetic Greywater by Produced Mgcl₂ Based Activated Carbon from Rice Straw Waste", International Journal of Agriculture, Environment and BioResearch, Vol. 04, Issue iv, pp. 107-120 (Impact Factor: 4.083).
- Mian Jawaduddin, **Sheeraz Ahmed Memon**, Sabzoi Nizamuddin, N.M. Mubarak, Sabeen Qureshi, November 2018, "Synthesis of activated carbon via sulphuric acid and iron chloride and its potential application synthetic grey water in combination with sand bed filter" Eurasian Journal of Analytical Chemistry, Vol. 13, Issue 06, pp. 83-94, ISSN: 1306-3057.
- Inamullah , **Dr. Sheeraz Memon** , Azizullah Channa , Asif Ali, September, 2018, "Assessment & Characterization of Medical Waste in Public & Private Hospitals of Sukkur City" Engineering Science And Technology International Research Journal, Vol.2, No.3, pp. 69-75 (ISSN (p) 2521-5027).
- F. U. R. Abbasi, A. Channa, Z. Siddiqui, **S. Memon**, S. Mangi, A. W. Mahesar, M. A. Kalwar. 2017. "Study of Pre and Post Rainfall Impacts on Ground Water Quality in Taluka Mirpur Sakro, District Thatta." Sindh Univ. Res. Jour. Vol. 49 (2), pp. 415–420.
- Mahessar AA, Qureshi AL, Ursani H, Tunio I, Kandhro B, **Memon SA**, 2017, "Environmental Concerns for Water Consumption from Polluted Water Bodies in Watershed Area of Sindh Province", Journal of Pollution Effects & Control, Vol. 5, Issue 4, pp. 1-7 (Impact Factor: 0.48)

PUBLICATION(S) WITH PH.D. STUDENTS

- Muhammad Ashraf Mallah, Munawar Ali Pinjaro, Sajid Hussain Mangi, **Sheeraz Ahmed Memon**, Ali Akbar Maitlo, March 2021, "Assessment of soil quality parameters for agricultural purpose in the area of Lakhra Coal Field" Engineering Science and Technology International Research Journal (ESTIRJ), Vol.5, No.1, pp. 103-110 ISSN (p) 2521-5027.
- Arshad Hussain Memon, Mazhar Hussain Peerzada, Khan Muhammad Brohi, **Sheeraz Ahmed Memon**, Sajjad Ali Mangi, 13 June 2020, "Performance evaluation of conventional and hybrid woven fabrics for the development of sustainable personal protective clothing", Environmental Science and Pollution Research, Vol. 27, Issue 30, pp. 33835–33847 (Impact Factor 3.306).
- Arshad Hussain Memon, Mazhar Hussain Peerzada, Khan Muhammad, **Sheeraz Ahmed Memon**, Sajjad Ali Mangi, Ghulam Mujtaba, April 2019, "Recent Eco-Friendly Developments in Personal Protective Clothing Materials for Reducing Plastic Pollution: A Review", Engineering, Technology & Applied Science Research, Vol. 9, Issue 02, pp. 4012-4018 (Impact Factor: 0.36).

PUBLICATION(S) WITH WSEL-GROUP

- Ma. Cristina Paule-Mercado, Imran Salim, Raja Umer Sajjad, **Sheeraz Ahmed Memon**, Chinzorig Sukhbaatar, Bum-Yeon Lee, Chang-Hee Lee, May 2022 "Quantifying the effects of land use change and aggregate stormwater management practices on fecal coliform dynamics in a temperate catchment" Science of The Total Environment, Volume 838 and Part 1 and pp. 1-14 (Impact factor: 10.753).
- M. Paule-Mercado, I. Salim, U.S. Raja, **S.A. Memon**, C. Sukhbaatar, B.-Y. Lee C.-H. Lee, 2 May 2022, "Quantifying the effects of land use change and aggregate Stormwater

management practices on fecal coliform dynamics in a temperate catchment” *Science of The Total Environment*, Volume 838, (Impact Factor: 7.963).

- Raja Umer Sajjad, Ma Cristina Paule-Mercado, Imran Salim, **Sheeraz Memon**, Chinzorig Sukhbaatar, Chang-Hee Lee, February 2019, “Temporal variability of suspended solids in construction runoff and evaluation of time-paced sampling strategies”, *Environmental Monitoring and Assessment*, Vol. 191, pp. 191-110. (Impact Factor: 1.959).
- Imran Salim, Raja Umer Sajjad, Ma. Cristina Paule-Mercado, **Sheeraz Ahmed Memon**, Bum-Yeon Lee , Chinzorig Sukhbaatar, Chang-Hee Lee, January, 2019, “Comparison of two receptor models PCA-MLR and PMF for source identification and apportionment of pollution carried by runoff from catchment and sub-watershed areas with mixed land cover in South Korea” *Science of the Total Environment*, Vol. 663, pp. 764-775, (Impact Factor: 6.551).
- Imran Salim, Ma Cristina, Paule-Mercado, **Sheeraz Memon**, Chang-Hee Lee, January 2019 “Trend analysis of rainfall characteristics and its impact on stormwater runoff quality from urban and agricultural catchment”, *Membrane Water Treatment*, Vol. 01, Issue 01, pp. 47-57. (Impact factor: 0.927).
- Ma Cristina A Paule-Mercado, Imran Salim, Bum-Yeon Lee, **Sheeraz Memon**, Raja Umer Sajjad, Chinzorig Sukhbaatar, Chang-Hee Lee, 2018 “Monitoring and quantification of stormwater runoff from mixed land use and land cover catchment in response to land development”, *Ecological Indicators*, Vol. 93, pp 1112-1125. (Impact Factor: 4.229).
- MA Paule-Mercado, BY Lee, **SA Memon**, SR Umer, I Salim, C-H Lee, 2017, “Influence of land development on stormwater runoff from a mixed land use and land cover catchment”, *Science of the Total Environment*, Vol. 599, pp. 2142-2155. (Impact Factor: 4.610).
- Paule-Mercado MA, Ventura JS, **Memon SA**, Jahng D, Kang JH, Lee CH. 2016. “Monitoring and predicting the fecal indicator bacteria concentrations from agricultural, mixed land use and urban stormwater runoff.” *Science of Total Environment*. Vol. 550 (15), pp. 1171–1181. (Impact Factor: 4.610).
- Sajjad, Raja Umer; Kim, Kyoung Jin, **Memon Sheeraz**, Sukhbaatar, Chinzorig; Paule, Ma. Cristina; Lee Bum-Yeon, Lee, Chang-Hee. 2015. “Characterization of Stormwater Runoff from a Light Rail Transit Area”, *Water Environment Research*. Vol. 10, pp. 813–822. (Impact Factor: 1.369).
- Ma. Cristina A. Paule, Jey-R S. Ventura, **Sheeraz Memon**, Bum-Yeon Lee, Deokjin Jahng, Min-Ji Kang, Chang-Hee Lee, 2015. “Fecal contamination in Yongin watershed: association to land use and land cover and stormwater quality”, *Desalination and Water Treatment*, Vol. 53, pp. 3026–3038. (Impact Factor: 1.272).
- M. A. Paule, **S. A. Memon**, B.-Y. Lee, S. R. Umer and C.-H. Lee. 2014. “Stormwater runoff quality in correlation to land use and land cover development in Yongin, South Korea”. *Water Science & Technology*. 70(2), 218-25. (Impact Factor: 1.638).
- Sung-Hun Go, **Sheeraz Memon**, Chang-Hee Lee (2009), “Characterization of Stormwater Pollutants and Estimation of Unit Loads for Road and Parking Lot in Gyeongan Stream Watershed”, *Journal of Korean Society on Water Quality*, Vol. 25, No.5, pp.689-696. ISBN-1229-4144.

PUBLICATION(S) WITH COLLEAGUES S & FELLOWS

- Zuhaib Siddiqui, Dharmappa Hagare, Min-Hang Liu, Orousa Panatta, Tanveer Hussain, **Sheeraz Memon**, Amber Noorani. and Zhong-Hua Chen, 07 February 2023, “A Food Waste-Derived Organic Liquid Fertiliser for Sustainable Hydroponic Cultivation of Lettuce, Cucumber and Cherry Tomato” *Foods: MPDI*, Vol. 12, Issue 04, pp. 1-12 (Impact Factor: 5.561)
- Muhammad Saud Baig, Siraj Ahmed, Ghulam Mujtaba, Muhammad Rizwan, Naveed Ahmed and **Sheeraz Ahmed**, 2022, “Chapter: Integrated Processes for Removal of Emerging Water Pollutants” *Book: Emerging Water Pollutants: Concerns and Remediation Technologies*, pp. 326-345 (20), Vol. 1, ISBN. No. 978-981-5040-74-6.
- Ghulam Mujtaba, Muhammad Rizwan, Sheraz Ahmed Memon, Haresh Kumar, Jessica Lawrence, *Wastewater, 2020, Treatment Using Microalgae Bacterial Consortium, Algae and Sustainable Technologies*, 1st Edition, eBook ISBN 9781003001911.
- Muhammad Rizwan, Ghulam Mujtaba, **Sheeraz Ahmed Memon** & Kisay Lee, June 2020, “ Influence of salinity and nitrogen in dark on *Dunaliella tertiolecta*'s lipid and carbohydrate productivity Influence of salinity and nitrogen in dark on *Dunaliella tertiolecta*'s lipid and carbohydrate productivity”, *Biofuels*, Vol. 11, issue 1, pp. 1-8, (X-Category).
- Sajjad Ali Mangi, Norwati Binti Jamaluddin, Zuhaib Siddiqui, **Sheeraz Ahmed Memon**, and Mohd Haziman Bin Wan Ibrahim, March 2019 “Utilization of Sawdust in Concrete Masonry Blocks: A Review”, *Mehran University Research Journal of Engineering & Technology*, Vol. 38, No. 2, pp. 487-494.
- Sajjad Ali Mangi, Mohd Haziman Wan Ibrahim, Norwati Jamaluddin, Mohd Fadzil Arshad, **Sheeraz Ahmed Memon**, Shahiron Shahidan, February 2019, “Effects of Grinding Process on the Properties of the Coal Bottom Ash and Cement Paste”, *Journal of Engineering and Technological Sciences*, Vol. 51 No. 01, pp. 1-13, ISSN: 2338-5502.
- Korai Muhammad Safar, Mahar Rasool Bux, Uqaili Muhammad Aslam, Brohi Khan Muhammad, **Memon Sheeraz Ahmed**, October 2018, “Analysis of the feasibility of fruit and vegetable wastes for methane yield using different substrate to inoculum ratios at Hyderabad, Sindh, Pakistan” *Journal of Material Cycles and Waste Management*, Vol. 21, Issues 60, pp 1–10 (Impact Factor: 1.974).
- Sajjad Ali Mangi, Mohd Haziman Wan Ibrahim, Norwati Jamaluddin, Shahiron Shahidan, Mohd Fadzil Arshad, **Sheeraz Ahmed Memon**, Ramadhansyah Putra Jaya, Sri Wiwoho Mudjanarko, Muhammad Ikhsan Setiawan, 2018, “Influence of Ground Coal Bottom Ash on the Properties of Concrete”, *International Journal of Sustainable Construction Engineering & Technology*, Vol. 9, No 2, , pp. 26-34. (ISSN: 2180--3242).
- Muhammad Rizwan, Ghulam Mujtaba, **Sheeraz Ahmed Memon**, Kisay Lee, Naim Rashid, 2018, “Exploring the potential of microalgae for new biotechnology applications and beyond: A review”, *Renewable and Sustainable Energy Reviews*, Vol. 92, pp. 394-404. (Impact Factor: 12.110).
- Sabeen Qureshi, Javeria Manzoor Shaikh, **Sheeraz Ahmed Memon**, July 2018, “Residents’s Subjective Assessment of Walkability Attributes in Objectively Assessed Neighbourhoods” *Mehran University Research Journal of Engineering & Technology*, Vol. 37, Issue 3, pp. 673-680.

- M. Ur-Rehman, M. Sh. Khurram, S. Rafiq, **Sh. A. Memon**, M. Ghauri, F. Jamil, M. H. Jaffery, M. Gh. Doggar, 2018, "Modeling of organic Rankine cycle for suitable working fluid in HYSYS for power generation in Pakistan", Bulgarian Chemical Communications, Volume 50, Issue 2, pp. 254 – 264. (Impact Factor: 0.238).
- Laghari, Z.H., Mahesar, S.A., Sherazi, S.T.H., **S.A. Memon**, Sirajuddin, Mugheri, G.A., Shah, S.N. Panhwar, T. and ,Chang, A.S. 2018/06, "Quality evaluation of pomegranate waste and extracted oil" International Food Research Journal. Vol. 25 Issue 3, p1295-1299. (Impact Factor: 0.662).
- M Shahzad Khurram, Jeong-Hoo Choi, Ishaq Ahmad, **Sheeraz Ahmed Memon**, Khurram Shahzad, Moinuddin Ghauri, Sikandar Rafiq, Mujtaba Hussain Jaffery, Muhammad Ghaffar Doggar, 2018/1, "Correlation for predicting solid holdup in the circulating fluidized beds riser", Journal of Engineering Technology, Vol. 6, Issue. 01, pp. 283-292. (Impact factor: 1.25).
- Abid Farooq, M Shahzad Khurram, Sikander Rafiq, **Sheeraz Ahmed Memon**, Moinuddin Ghauri, Khurram Shahzad, Mujtaba Jaffery, M Ghaffar Doggar, Nawshad Muhammad, 2017, "Biomass gasification for energy generation: parametric investigation on continuous updraft Gasifier", Journal of Engineering Technology, Vol. 6, pp. 352-367 (Impact factor: 1.95).
- Z. Siddiqui. **S. A. Memon**, K. M. Brohi, 2017, "Biohydrogen Production Function of Operating pH and Seed Pre-Treatment, Sindh University Research Journal, Vol. 49, Issue 004, pp. 699-704S. Bhatti, Z. Siddiqui, S. Memon, I. Kandhir, M. A. Memon, A. W. Mahesar, 2017, "Analysis and Treatment Wash off Water from Vehicular Service Station in Hyderabad, Sindh University Research Journal, Vol. 49, Issue 3, pp. 473-478.
- Zuhaib Siddiqui, Nigel. J Horan, Abdul R Sahito, Jamila Abdulkadir & **Sheeraz A Memon**. 2014. "Optimising the production of energy from coblended food waste and biosolids using batch reactor studies". Water Science. Water and Environment Journal 28 (483–48970).
- Naim Rashid, Muhammad Saif Ur Rehman, **Sheeraz Memon**, Zia Ur Rehman, Kisay Lee, Jonh-In Han (2013), "Current barriers and developments in biohydrogen production by microalgae", Renewable and Sustainable Energy Reviews Journal, Vol. 22, pp. 571-579. (Impact Factor: 5.51).

CONFERENCES AND WORKSHOPS

- Hajra Kharala , **Sheeraz Ahmed Memon** , Sajid Hussain Mangi ,Rafi uz zaman Brohi , Abdul Aziz Chan, Arsalan Ali Bughio, January. 17- 19, 2022, "Bioremediation of Arsenic(As) and lead(pb) by Aspergillus Niger isolated from soil", 6th International Conference on Energy, Environment and Sustainable Development 2022 (EESD 2022), Vol. 1, Issue. II, pp. 1-6, p-ISSN: 0254-7821
- Javed Haider, Khan Muhammad Brohi, Rafi O Zaman Brohi, **Sheeraz Ahmed Memon**, Abdul Aziz Chan, January. 17- 19, 2022, "Effect of Chlorpyrifos Pesticide on Nitrogen Fixing Bacteria in Soil", 6th International Conference on Energy, Environment and Sustainable Development 2022 (EESD 2022), Vol. 1, Issue. II, pp. 1-6, p-ISSN: 0254-7821
- Mehwish Soomro, **Dr. Sheeraz Ahmed Memon**, Irfan Ahmed Memon, July 2019, "Techno-Economic Study of Renewable Energy in Pakistan: The Case of Solar Energy",

AIP Conference Proceedings of 5th International Conference on Energy, Environment and Sustainable Development (EESD-2018), Vol. 2119, Issue 1, pp. 0200181 (1-10).

- Muhammad Ishaque, **Sheeraz Ahmed Memon**, Suhail Ahmed Soomro and Atif Hussain, July 2019, “Evaluation of behavioral constraints by using statistical tool and their mitigation at Hala Gas processing plant PPL, Sindh”, AIP Conference Proceedings of 5th International Conference on Energy, Environment and Sustainable Development (EESD-2018), Vol. 2119, Issue 1, pp. 020006 (1-8)
- Majid Ali Soomro, **Sheeraz Ahmed Memon**, Muhammad Mujtaba Shaikh and Azizullah Channa, July 2019, “Indoor Air CO₂ Assessment of Classrooms of Educational Institutes of Hyderabad City and Its Comparison with Other Countries” AIP Conference Proceedings of 5th International Conference on Energy, Environment and Sustainable Development (EESD-2018), Vol. 2119, Issue 1, pp. 020014 (1-10).
- Sajjad Ali Mangi, Mohd Haziman Wan Ibrahim, Norwati Jamaluddin, Mohd Fadzil Arshad, **Sheeraz Ahmed Memon**, Shahiron Shahidan and Ramadhansyah Putra Jaya, July 2019, “Coal Bottom Ash as a Sustainable Supplementary Cementitious Material for the Concrete Exposed to Seawater”, AIP Conference Proceedings of 5th International Conference on Energy, Environment and Sustainable Development (EESD-2018), Vol. 2119, Issue 1, pp. 020002 (1-8)
- **SA Memon**, OS Raja, B Kandhro, I Salim, CH Lee, 2017/11/1-3 “Stormwater Management in Urban Areas of South Korea”, IOP Conference Series: Earth and Environmental Science, Vol. 127, Issue. 1, pp. 012-014.
- **Sheeraz Memon**, Ma. Cristina A. Paule, Chang-Hee Lee, Ghulam Mujtaba. Microbial Study of Stormwater Runoff from Urban Monitoring Site Korea. 1st National Conference on Recent trends in Microbiology held on December 19-21, 2016 at Abbottabad University of Science & Technology Pakistan.
- Ghulam Mujtaba, KisayLee, **Sheeraz Memon**. Treatment of municipal wastewater using mixed culture system of microalgae and activated sludge. 1st National Conference on Recent trends in Microbiology held on December 19-21, 2016 at Abbottabad University of Science & Technology Pakistan.
- **Sheeraz Memon**, Shazia Rehman, Ghulam Mujtaba, Zuhaib Siddiqui, Muhammad Rizwan, Gordhan Valasai. Impacts of Vulnerable Weather Pattern in Sindh Province, Pakistan. 4th International Conference on Energy, Environment and Sustainable Development 2016 (EESD 2016) at Mehran University of Engineering & Technology, Jamshoro Pakistan.
- Shazia Rehman, **Sheeraz Memon**, Ghulam Mujtaba, Muhammad Rizwan. Biohydrogen through Electrohydrogenesis –A boon to the green economy. 4th International Conference on Energy, Environment and Sustainable Development 2016 (EESD 2016) at Mehran University of Engineering & Technology, Jamshoro Pakistan.
- Fida Abbasi, Azizullah Channa, **Sheeraz Memon**, Zuhaib Siddiqui, Gordhan Valasai. Rainfall impact on Ground Water Quality in Mirpur Sakro, District Thatta. 4th International Conference on Energy, Environment and Sustainable Development 2016 (EESD 2016) at Mehran University of Engineering & Technology, Jamshoro Pakistan.
- Ahmeduddin Jamali, **Sheeraz Memon**, Rasool B Mahar. Effects of septic tank discharge on ground water. 4th International Conference on Energy, Environment and Sustainable

Development 2016 (EESD 2016) at Mehran University of Engineering & Technology, Jamshoro Pakistan.

- Ghulam Mujtaba, Muhammad Rizwana, Shazia Rehman, **Sheeraz Memon**. Towards Microalgae-Based Biodiesel Production: A Review. 4th International Conference on Energy, Environment and Sustainable Development 2016 (EESD 2016) at Mehran University of Engineering & Technology, Jamshoro Pakistan.
- Muhammad Rizwan, Ghulam Mujtaba, Alia Naz, Abdullah Khan, **Sheeraz Memon**, Shazia Rehman. Microalga as a Tool for Heavy Metal Bioremediation. 4th International Conference on Energy, Environment and Sustainable Development 2016 (EESD 2016) at Mehran University of Engineering & Technology, Jamshoro Pakistan.
- Shoaib Bhatti, Muhammad Ali Memon, Imdad Kandhir, Gordhan Valasai Zuhaib Siddiqui, **Sheeraz Memon**. Analysis and Treatment of Wash off Water from Vehicular Service Centers in Hyderabad. 4th International Conference on Energy, Environment and Sustainable Development 2016 (EESD 2016) at Mehran University of Engineering & Technology, Jamshoro Pakistan.
- **Sheeraz Memon** (2016), “Raining Resilience City”, Workshop on Waste Management for Resilient Cities, organized by UNITAR CIFAL Jeju/JITC, held on 5~8 September 2016, Gunsan Saemangum Convention Center, Gunsan-si, Jeollabuk-do, Korea. **Sheeraz Memon** (2016), “Weather Vulnerability Impact on Sindh Province”, 1st International Conference on Environmental Engineering & Management, organized by NED University, held on 4th June, Karachi.
- Muhammad Babar, Deepak Kumar, Abdul Razaque Sahito, **Sheeraz Ahmed Memon**, Khan Muhammad Brohi. Potential of Solar Thermal Energy Utilization in Electrical Generation in Pakistan. 1st National Conference on Environmental Engineering & Management, held on 13-14th April, 2016 at Mehran University of Engineering & Technology, Jamshoro Pakistan. pp. 13.
- **Sheeraz Memon**, Ma. Cristina Paule, Bum-Yeon Lee, Sajjad umer, ChangHee Lee (2014), “Trend of storm water runoff pollutants temporal variability from different land use sites in Korea”, DIPCON Asian Regional Conference, Kyoto Japan,; 3 ~ 4 September 2014.
- Ma. Cristina A. Paule, **Sheeraz Memon**, Bum-Yeon Lee, Umer S. Raja, Chinzorig Sukhbaatar, Jey-R S. Ventura, Deokjin Jahng, Joo-Hyon Kang, and Chang-Hee Lee. 2014. “Statistical Evaluation of Intra-event Variability of Fecal Indicator in Stormwater Runoff from Different Land uses. In: Ames, D.P., Quinn, N.W.T., Rizzoli, A.E. (Eds.), Proceedings of the 7th International Congress on Environmental Modelling and Software, June 15-19, 2014, San Diego, California, USA. ISBN: 978-88-9035-744-2.
- Ma. Cristina A. Paule, **Sheeraz Memon**, Seung-hoon Yu, Bum-Yeon Lee, Umer S. Raja, Chinzorig Sukhbaatar and Chang-Hee Lee (2014), “Calibration of a SWMM applied to mixed land use in Yongin, South Korea”, DIPCON Asian Regional Conference, Kyoto Japan,; 3 ~ 4 September 2014.
- Paule, M. A., Ventura, J. S., **Memon, S.A.**, Lee, B-Y, Sajjad, U. R., Lee, C-H., and Jahng, D. 2013. Fecal Contamination in Yongin Watershed – Association to Land Use and Land Cover and Stormwater Quality. International Water Association: The 16th International Conference on Diffuse Pollution and Eutrophication. Friendship Hotel, Beijing, China, August 18-23, 2013 (presenter) – submitted in Desalination and Water Treatment.
- Paule, M. A., **Memon, S.A.**, Lee, B-Y, Sajjad, U. R., and Lee, C-H. 2013. Impacts of land use and land cover modification and Hydrological Characteristics on Stormwater Quality in

Yongin Watershed, South Korea. International Water Association: The 5th IWA-ASPIRE Conference and Exhibition. Daejon Convention Center, Daejon, Korea, September 08-12, 2013 (presenter). – submitted in Water Science and Technology.

- Paule, M. A., **Memon, S.A.**, and Lee, C-H. 2013. Intra-event variability of Escherichia coli in stormwater runoff from different land use sites in South Korea. International Water Association: The 5th IWA-ASPIRE Conference and Exhibition: Workshop 4 Scientific and Technological Approaches on Non-Point Sources in Asia. Daejon Convention Center, Daejon, Korea, September 08-12, 2013.
- **Sheeraz Memon**, Ma. Cristina Paule, Bum-Yeon Lee, Sajjad Umer, ChangHee Lee (2013), “Stormwater runoff sampling characterization from construction and mix landuse areas Korea,” The 16th International Conference on Diffuse Pollution and Eutrophication 2013, Beijing China,: 18 ~ 23 August 2013.
- Ma. Cristina Paule, **Sheeraz Memon**, Bum-Yeon Lee, ChangHee Lee, (2013), “Modeling the land use changes on construction site stormwater runoff using GIS and SWMM,” The 16th International Conference on Diffuse Pollution and Eutrophication 2013, Beijing China,: 18 ~ 23 August 2013.
- Ma. Cristina Paule, **Sheeraz Memon**, Bum-Yeon Lee, ChangHee Lee, (2013), “Fecal Contamination in Yongin Watershed- Association to Land Use and Land Conver and Stormwater Quality,” The 16th International Conference on Diffuse Pollution and Eutrophication 2013, Beijing China, 18 ~ 23 August 2013.
- Ma. Cristina Paule, **Sheeraz Memon**, Bum-Yeon Lee, ChangHee Lee, Hor Gil Hul (2012), “Escherichia coli contamination and its relation to stormwater quality in Yongin Watershed, South Korea,” The 4th IWA Asia-Pacific Young Water Professionals Conference 2012, Tokyo Japan,: 7 ~ 10 December 2012.
- **Sheeraz Memon**, Ma. Cristina Paule, Bum-Yeon Lee, Nadmitov Bulat, ChangHee Lee (2012), “Land development modification impact on efficiency of stormwater treatment facility,” The 4th IWA Asia-Pacific Young Water Professionals Conference 2012, Tokyo Japan,: 7 ~ 10 December 2012.
- **Sheeraz Memon**, Ma. Cristina Paule, Shin-Jeong Park, Bum-Yeon Lee, Sunhae Kang, Chang-Hee Lee (2012), “Initial Assessment of Land use Change Impact on Stormwater Runoff and Pollutant Loading Estimation in Yongin Watershed Korea” The 3rd International Conference on RainWater Harvesting & Management, Goseong, Korea: 20 ~ 24 May 2012.
- Ma. Cristina Paule, **Sheeraz Memon**, Shin-Jeong Park, Bum-Yeon Lee, Sunhae Kang, Nadmitov Bulat, Yoo Seonghun ChangHee Lee (2012), “Comparison of stormwater pollution impacts in Yongin watershed, Korea”, Korea Water Congress 2012, KINTEX Korea,: 21 ~ 22 March 2012.
- Kyoung Jin Kim, **Sheeraz Memon**, Ma. Cristina Paule, ChangHee Lee, Kyung-Sok Min, Lee-Hyung Kim, Joon Ha Kim (2011), “Characterization of stormwater quality and comparison of surrounding landuse effects of roadways runoff in Korea”, LESS NPS project workshop, organized by Kyungpook National University, Gwangju Korea,: 27 ~ 28 October 2011.
- **Sheeraz Memon**, Chang-hee Lee, Sunghoon Go, Bumyeon Lee, Kyoung Jin Kim (2011), “Influence of stormwater characteristics on first flush phenomenon at bridge and

parking lot sites in Gyeongan watershed Korea” IWA Diffuse Pollution and Eutrophication Conference Rotorua, New Zealand: 18 - 23 September 2011.

- Kyoung Jin Kim, ChangHee Lee, Shingjung Park, Nadmitov Bulat , **Sheeraz Memon** (2011), “Characteristics and Statistical Analysis of Stormwater from The South Korea Yong-in Light rail” IWA Diffuse Pollution and Eutrophication Conference Rotorua, New Zealand: 18 - 23 September 2011.
- **Sheeraz Memon**, H. Ursani, I.Tunio, A. W. Kandhir, Kandhir (2010), “ Sustainable Management of Indus Water By identifying Water Conservation Corridors”, International Conference on Sustainable Water Management (SWM2010) Pakistan.
- H. Ursani, **Sheeraz Memon**, I.Tunio, A. W. Kandhir (2010), “ Sustainable Flood Management By using RS & GIS Modeling For Indus River Basin”, International Conference on Sustainable Water Management (SWM2010) Pakistan.
- **Sheeraz Memon**, Sunghoon Go, Chang Hee Lee (2008). Characterization of first flush from urban storm water catchments in Kyongan stream. Pan-Korea grand waterway and Impact assessment watershed management conference Seoul National University Korea 2008-4-18.
- Sunghoon Go, **Sheeraz Memon**, Chang Hee Lee (2008). Characteristics of storm water pollutants and estimation of unit loads for road & Parking lot in Kyongan stream: A Conference on Water Renaissance 2008, Korea National University Seoul Korea, 2008-4-25.
- **Sheeraz Memon**, Sunghoon Go, Chang Hee Lee (2008). Characterization of non-point source pollution and correlation between water quality parameters in urban land use: International Conference 2008 for sustainable environmental technology and sanitation for tropical region. Surabaya Indonesia 2008-11-18.

ACADEMIC PROJECTS

DURATION: 2019-2021

Title: "Design, fabrication and optimization of fixed dome biogas plant and digest separator for underprivileged communities living at lower Indus region of Pakistan."

Higher Education Commission (HEC), Islamabad, Pakistan

DURATION: 2011 TO 2015

Next Generation Eco Innovation Project by Korea Environmental Technology and Industrial Institute (Ph.D.)

Title: Characterization of Stormwater Quality and Prediction of Runoff Pollutants from Various Land use Sites

Advisor: Prof: Lee Chang Hee.

DURATION: MAY 2007 TO APRIL 2008

Title: Characterization of Non-Point Source Pollution and First Flush Phenomenon from Keyongan Watershed

Advisor: Prof: Lee Chang Hee

DURATION: APRIL 2002 TO DEC 2002

Title: Study of sea water intrusion and its environmental impacts on Ghorabari Taluka, District Thatta (B.E), ***Advisor:*** Prof. Dr. Rasool Bux Mahar

**EVENTS
ORGANIZED**

- Conference Secretary, **2nd International Conference on Sustainable Development in Civil Engineering-2019 (ICSDC-2019)**, *December 05 to 07, 2019, Mehran UET, Jamshoro, Sindh.*
- Conference Secretary, **5th International Conference on Energy, Environment, & Sustainable Development (EESD'18)**, *November, 14-16, 2018, Mehran UET, Jamshoro, Sindh Pakistan.*

**AWARDS,
CERTIFICATES,
PROFESSIONAL
MEMBER**

- Training/Workshop on **SAR Review** on *15-Mar-2021*
- Training-cum-Consultation Workshop on draft IWRM Implementation guidelines for **Pakistan** on *10-Feb-2021*
- Technical Member, Procurement Committee for Installation of **Disinfection System**. *May 31, 2019*
- UNITAR CIFAL Jeju Workshop on Waste Management for Resilient Cities, *5~8 September 2016, Gunsan, Jeollabuk-do, Korea*
- 2-Day International Workshop on Outcome Based Education, organized by **Department of Civil Engineering, NED, Karachi** on *27-28 October, 2015*
- Received full scholarship for Ph.D. from **Myongji University Korea** in *2011*.
- Received International Student scholarship during all academic semesters from **Myongji University**.
- Received full scholarship for Masters from **Higher Education Commission, Pakistan** in *January 2007*
- Mehran University Alumni Association
- Member of Pakistan Engineering Council (Registration No. CIVIL/23305).

**COMPUTER
SOFTWARE**

- Sigma plot
- SPSS
- Mat lab
- QUAL2E

**PERSONAL
INFORMATION**

Date of Birth:	Nationality:	C.N.I.C No.
15-02-1980	Pakistani	41305-0953414-9
Passport No.	PEC Registration No.	Marital Status:
AE0204143	Civil/23305	Married