

## Engr. SAJID HUSSAIN MANGI

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### PERSONAL DATA

Date of Birth	01-01-1993
Nationality	Pakistani
CNIC No.	45101-7392209-9
Passport No.	KU6902092
PEC Registration No.	Environmental/465
Marital Status	Married

### ACADEMIC RECORD

No.	Qualification	Institution	Year	Grade
1.	ME (Energy & Environmental Engineering)	Mehran University, Jamshoro	2015-2018	3.78/4
2.	BE (Environmental Engineering)	Mehran University, Jamshoro	2011-2015	3.90/4 & 86.31%

### EMPLOYMENT HISTORY

- **Lecturer (BPS-18)** December 22, 2017 – till now  
Institute of Environmental Engineering & Management MUET Jamshoro
- **Lab. Supervisor (BPS-16)** March 16<sup>th</sup>, 2016 – December 21, 2017  
Institute of Environmental Engineering & Management MUET Jamshoro

### ACADEMIC AND RESEARCH EXPERIENCE

- **Key roles and responsibilities (Academic):**
  - Deliver lectures at Masters and Undergraduate level

- Assist the departmental activities, conducting the exams, laboratories, curricular and extracurricular activities
- Establish collaborations to promote academic work in practical field
- Courses taught at undergraduate level: Environmental Engineering
  - Water Supply and Wastewater Engineering
  - Principles of Water and Wastewater Treatment
  - GIS & Remote Sensing
  - Hazardous Waste Risk Assessment
  - Environment Health & Safety
  - Air & Noise Pollution Control
  - Environmental Impact Assessment
  - Solid Waste Engineering & Management
  - Energy & Environment in Buildings
- Courses taught at Masters Level:
  - Water & Wastewater Engineering and Treatment
  - Energy & Environment
  - Occupational Health & Safety
  - Advanced EIA & Management
  - Clean Energy Technology
- **Key roles and responsibilities (Research):**
  - My research interest is in the field of Wastewater Engineering, Biofuels Engineering, and Solid Waste Engineering and include analytical, numerical and experimental investigations. My research activities include technical assistance to departmental research groups in above fields.
  - Currently I am supervising undergraduate (3) and postgraduate (3) projects which includes Biogas Production from fish waste, Air quality management techniques, drinking water quality, ground water quality, wastewater treatment and design projects.

### Conferences and Workshops

- 1st National Conference on Environmental Engineering & Management, 13-14th April 2016 at Mehran University of Engineering & Technology, Jamshoro.
- Third International Conference on Energy, Environment & Sustainable Development, 22-24 October 2014; Organized by Mehran University of Engineering & Technology Jamshoro Pakistan.
- Earth day 2013, the face of climate change, 22nd April 2013, organized by IEEM at Mehran University of Engineering & Technology, Jamshoro.
- International Conference on Chemical Engineering, organized by Mehran University of Engineering & Technology Jamshoro Pakistan, held on 29-30 January (ICCE 2018) at Movenpick Hotel, Karachi, Pakistan.
- 1st Young Researchers National Conference on Water and Environment, Organized by USPCAS-W Held on 22nd -23rd May 2017 at Auditorium Hall, MUET Jamshoro, Pakistan.
- Third International Conference on Energy, Environment & Sustainable Development, 22-24 October 2014; Organized by Mehran University of Engineering & Technology Jamshoro Pakistan.
- Second International Conference on Energy, Environment & Sustainable Development, 27-29 February 2012; Organized by Mehran University of Engineering & Technology Jamshoro Pakistan.
- 3<sup>rd</sup> Young Researchers National Conference on Water and Environment, Organized by USPCAS-W Held on 5<sup>th</sup> -6<sup>th</sup> September 2019 at Auditorium Hall, USPCAS-W, MUET Jamshoro, Pakistan.

### Research Publication

- M. Yousif Jat & Sajid H. Mangi 2019, “**Treatment of Synthetic Greywater by Using Banana, Orange and Sapodilla Peels as a Low Cost Activated Carbon**” International Journal of Materials & Environmental Sciences, Page # (966-986), ISSN: 2028-2508.
- Maqbool Ahmed, Khan Muhammad Brohi, Madsar Hameed, Azizullah Channa, Sajid Hussain Mngi & Arsalan Mustafa 2019, “**Reactive dye removal from textile wastewater by using rice starch as a natural coagulant and composition analysis of rice starch**” International Journal of Modern Research in Engineering & Management, Volume-2, Issue-11, Page# (33-44), ISSN: 2581-4540.

### Administrative Responsibilities

- Incharge Water and Soil Testing Laboratory
- Postgraduate Coordinator
- Departmental Internship coordinator

- Departmental Sport Coordinator
- Master Trainer for Occupational Health Safety Trade organized by ORIC, MUET, Jamshoro
- PM Laptop Scheme departmental Focal Person

### Academic Responsibilities

- Teaching major courses of Environmental Engineering Program to undergraduate and post graduate candidates.
- Supervising thesis projects undergraduate, post graduate candidates.

### Awards, Certifications, Professional members

- IOSH Managing Safely UK Certification from Mehran UET Jamshoro.
- Fire Safety training from Mehran UET Jamshoro.
- Permit to Work (PTW).
- Safety of Scaffolding.
- Safety at Confined Space.
- OHSAS 18001.
- ISO 9000 & 14000 Series.
- OSHAC American Certified Safety Course.
- Crane Safety.
- Electrical Safety.
- Safety Management System (SMS).
- Member of Pakistan Engineering Council (Registration No. Environment/465).
- Five Days training on “**Faculty Development Program**” organized by MUET, Jamshoro.
- Three Days training on “**New Faculty Boot Camp**” organized by US Pakistan Center for advanced studies in water with collaboration of University of Utah, Salt Lake, USA.
- Four Years’ experience of Fast Youth Network Development (NGO) as an Event Manager.