

CURRICULUM VITAE

MUHAMMAD KHAN MEMON

Assistant Professor

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Objective:

Teaching and Research, this aims to provide acquisition of knowledge, the development of conceptual, intellectual and subject-specific skills, the development of understanding and other general intellectual abilities, and the development of generic skills.

Educational Background:

| Degree/Certificate | Institute/University | Year | Division/Grade |
|--|--|------|--|
| PhD (Petroleum Engineering) | Universiti Teknologi PETRONAS, MALAYSIA | 2017 | Thesis Submitted (Waiting for final viva voce) |
| Master of Engineering in Petroleum Engineering | Mehran University of Engineering and Technology, Jamshoro. Sindh PAKISTAN. | 2006 | C.G.P.A. 3.42 |
| Bachelor of Engineering Petroleum & Gas | -do- | 1997 | 1 st Class 83.80% (3 rd Position) |
| Intermediate (Pre-Engg) | Board of Intermediate & Secondary Education, Hyderabad, Sindh PAKISTAN. | 1990 | "A" Grade with 76.72% |
| Matriculation (Science) | -do- | 1988 | "A" Grade with 74.32% |

Academic Experience:

| Designation / Title | Date | | Name of Organization where Working or Worked | Brief Job Description |
|---------------------|------------|------------|--|-----------------------|
| | From | To | | |
| Assistant Professor | 26.07.2004 | To date | Institute of Petroleum & Natural Gas Engg: MUET, Jamshoro, Sindh Pakistan. | Teaching & Research |
| Lecturer | 06.02.2001 | 25.07.2004 | -do- | Teaching & Research |
| Demonstrator | 02.10.1998 | 05.02.2001 | -do- | Teaching & Research |

M.E Research:

Investigation of Reservoir Formation Damage in lower Goru Formation Badin Block.

Training Courses:

1. WellPlan (well Control), WellPlan (Opticem) and WellCat conducted by HALLIBURTON 12-16 March 2012 Univesiti Teknologi PETRONAS Malaysia.
2. Compass, CasingSeat, StressCheck, WellPlan (Torque & Drag) and WellPlan (Hydraulic) conducted by HALLIBURTON 12-16 March 2012 Univesiti Teknologi PETRONAS Malaysia.

Certified Workshops:

1. Bruker X-Ray Diffraction workshop on XRD Data Evaluation 1st September 2015 Univesiti Teknologi PETRONAS Malaysia.
2. Good Laboratory Practices Seminar and Workshops by Mettler-Toledo, 29th April 2014 Univesiti Teknologi PETRONAS Malaysia.
3. Introduction to Digital Library Resources and Their Effective Usage by Higher Education Commission - Digital Library Program. 18th October 2005, Pakistan.

Certificate of Achievement:

“Borehole Survey Seminar” by Baker Hughes 11 –12 June 2002, Karachi Pakistan.

Certificate of Appreciation:

Taking Advantage of a world of opportunity 17th January 2013 Univesiti Teknologi PETRONAS Malaysia.

Certified Courses:

List Attached.

International and National Conferences:

List Attached.

International/National Journal Publications:

List Attached.

Computer Skills:

MS-Word, Excel, PowerPoint & Petroleum related softwares.

Professional Membership:

- Pakistan Engineering Council (PEC)
- Society of Petroleum Engineers (SPE) International.

Interpersonal Competencies:

- Good written and verbal communication skills
- Public presentation skills
- Easily adjusts in new environment
- Ability to work independently
- Decision making, Listening, Multi-tasking.

Personal Biodata:

| | |
|----------------|-------------------------------|
| Father's Name | Abdul Hameed Memon |
| Date of Birth | January 1 st ,1973 |
| Place of Birth | Sehwan Sharif |
| Domicile | Jamshoro, Sindh Pakistan |
| N.I.C. No | 41204-9721505-9 |

List of Attended Certified Courses:

1. “Outcome Based Education (OBE) For Technologist and Graduate Assistant” 19th December 2014 Univesiti Teknologi PETRONAS Malaysia.
2. “Oil and Gas Project Management” 19-22 November 2013 Conducted by TOTAL at Univesiti Teknologi PETRONAS Malaysia.
3. “Fractured Reservoirs and Enhanced Oil Recovery” 20-23 March 2012 conducted by TOTAL at Univesiti Teknologi PETRONAS Malaysia.
4. Research Methodology Course 8-12 November 2011 conducted by Univesiti Teknologi PETRONAS Malaysia.
5. “Positive displacement compressor Optimization” 7th March 2006 by Mr Allah Bux Reliability Engineer British Petroleum Pakistan.
6. “Eclipse office” 8-9th Sept.2005 by Schlumberger Pakistan.
7. “Wireline Logging & Interpretation” February 2nd, 2005 by Masatoshi Nishi, Country Manager, Schlumberger Pakistan.
8. “The Art of Mud logging” August 20 –21, 2003 by Riaz- Ur Rehman Directional Driller Baker Hughes Inteq.
9. “Directional Drilling Techniques” January 8- 9, 2003 by Mr. Riaz Qureshi Directional Driller Baker Hughes.
10. “Practical Aspects of Reservoir Engineering” March 14 –15, 2000 by Dr: Obaid Ur Rehman Chief Reservoir Engineer OGDCL Pakistan.
11. “Effective Management & Communication Skills” 12 –13 March 2000 by Khalid M. Khan, Chief Management Counselor Pakistan Institute of Management.
12. “Well logging Interpretation Techniques” 12 –13 November. 1999 by Dr: Wasim Paracha Senior Geoscientist Denmark.
13. “Material Balance Methods in oil & gas Reservoirs”, 6 – 7 March 1999 by Mr: Kamal Malik. Union Texas Pakistan.

List of Conferences:

1. **M. K. Memon**, K. A. Elraies, and M. I. Al-Mossawy, "Controlling Gas Mobility in Water Alternating Gas Injection by Surfactant Blend Formulations," *Presented at International Conference on Integrated Petroleum Engineering and Geosciences, Kuala Lumpur, Malaysia, 15-17 August 2016.*
2. **M. K. Memon**, and K. A. Elraies, "Experimental Study on New Surfactant Blend Formulations for Improving Gas Mobility," *36th Science and Engineering Design Exhibition (SEDEX36) Universiti Teknologi PETRONAS, 15-16 December 2015.*
3. G. Abbas, S. Irawan, **M. K. Memon**, S. A. Kalwar, and S. Kumar, "Hydroxypropylmethylcellulose as a Free Water and Settling Control Agent in Oil Well Cement Slurry," *Presented at International Conference on Integrated Petroleum Engineering and Geosciences, Kuala Lumpur, Malaysia, 03-05 June 2014.*
4. **M. K. Memon**, M. T. Shuker, and K. A. Elraies, "Stability of Foam Surfactant Blend for Residual Oil Recovery," *Presented at International Conference on Integrated Petroleum Engineering and Geosciences, Kuala Lumpur, Malaysia, 03-05 June 2014.*
5. S. A. Kalwar, K. A. Elraies, **M. K. Memon**, S. Kumar, G. Abbas, and A. H. Mithani, "A New Approach to ASP Flooding in High Saline and Hard Carbonate Reservoirs," (IPTC-17801-MS). *Presented at International Petroleum Technology Conference, Kuala Lumpur, Malaysia, 10-12 December 2014.*
6. **M. K. Memon**, M. T. Shuker, and K. A. Elraies, "Solubility of Foam Surfactants in High Divalent Ions at High Temperature," *Presented at International Oil and Gas Symposium and Exhibition Sabah, Malaysia, 09-11 October 2013.*
7. A. Ahmed, M. T. Shuker, K. Rehman, H. Bahrami, and **M. K. Memon**, "Reducing Mechanical Formation Damage by Minimizing Interfacial Tension and Capillary Pressure in Tight Gas," *IOP Conf. Series: Materials Science and Engineering* 50 (2013) doi:10.1088/1757899X/50/1/012019, December 2013.
8. **M. K. Memon**, M. T. Shuker, "Oil recovery by WAG injection process: An overview," *Presented at International Conference on Integrated Petroleum Engineering and Geosciences, Kuala Lumpur, Malaysia, 12-14 June 2012.*

List of Journal Publications:

1. **M. K. Memon**, M. T. Shuker, and K. A. Elraies, " Study of Blended Surfactants to Generate Stable Foam in Presence of Crude Oil for Gas mobility Control," *Journal of Petroleum Exploration and Production Technology*, DOI 10.1007/s13202-016-0243-9, Vol. 7(1): pp 77-85, March 2017.
2. **M. K. Memon**, K. A. Elraies and M. I. Al-Mossawy "Impact Of New Foam Surfactant Blend With Water Alternating Gas Injection On Residual Oil Recovery" *Journal of Petroleum Exploration and Production Technology*, DOI 10.1007/s13202-016-0303-1, December 2016.
3. H. Hematpour, S.M. Mahmood, **M. K. Memon**, A. M. Mongy "Study of Unsteady State Behavior of Foam in Surfactant-Alternating-Gas Process" *Indian Journal of Science and Technology*, Vol 9(28), DOI: 10.17485/ijst/2016/v9i28/91056, July 2016.
4. **M. K. Memon**, K. A. Elraies, and M. T. Shuker, "Effects of Surfactant Blend Formulation on Crude Oil-Brine Interaction and Wettability: An Experimental Study" *Research Journal of Applied Sciences, Engineering and Technology*, DOI:10.19026/rjaset.12.2681, Vol. 12(5):537-543, March 2016.
5. **M. K. Memon**, M. T. Shuker, and K. A. Elraies, "Solubility of Foam Surfactants in High Divalent Ions at High Temperature," *Journal of Applied Sciences*, vol. 14(23), pp. 3339-3343, November 2014.
6. **M. K. Memon**, S. Q. Tunio, K. R. Memon and A. A. Lashari, "A Comparative Study of Liquefied Natural Gas: An Overview," *Research Journal of Applied Sciences, Engineering and Technology*, vol. 7(17) pp. 3522-3528, May 2014.
7. K. R. Memon, M. T. Shuker, **M. K. Memon**, "Durability and Rheological Evaluation of cement Slurries from Atmospheric to High Thermal Condition," *Journal of Applied Sciences*, ISSN 1812-5654/DOI: 10.3923/jas.2014. vol. 14(11), pp. 1204-1209, 2014.
8. M. T. Shuker, K. R. Memon, S.Q. Tunio, **M. K. Memon**, "Laboratory Investigation on Performance of Cement Using Different Additives Schemes To Improve Early Age Compressive Strength," *Research Journal of Applied Sciences, Engineering and Technology*, ISSN: 2040-7459; e-ISSN: 2040-7467 vol. 7(11) pp. 2298-2305, March 2014.
9. S. Q. Tunio, T. A. Chandio and **M. K. Memon**, "Comparative Study of FAWAG and SWAG as an Effective EOR Technique for a Malaysian Field", *Research Journal of Applied Sciences, Engineering and Technology*, Vol. 4(06): 645-648, March 2012.
10. A. H. Tunio, **M.K.Memon**, R.A.Kazi, "Effects of Pressure on Forward Combustion by Injecting Air into Light Oil Reservoir", *Mehran University Research Journal of Engineering and Technology*; [ISSN 0254-7821](https://doi.org/10.1007/s13202-016-0243-9), Vol. 28(01), pp-81-92, January 2009.

11. A. H. Tunio, **M. K. Memon**, and H. U. R. Memon, "Oxidation of Light Crude Oil in Porous Media", *Mehran University Research Journal of Engineering and Technology*; [ISSN 0254-7821](#), Vol, 27(3), pp307-318, July 2008.
12. **M. K. Memon**, A. H. Tunio, A. Leghari, "Petrographic Study from Core Plugs of Lower Goru Sandstones", *Mehran University Research Journal of Engineering and Technology*; [ISSN 0254-7821](#), Volume 27(03), pp-319-330, July 2008.
13. **M. K. Memon**, A. H. Tunio, R.A.Kazi, "Permeability Response After Matrix Acidizing on Core Plugs of Lower Goru Formation", *Mehran University Research Journal of Engineering and Technology*; [ISSN 0254-7821](#), Volume 27(04), pp-451- 462, October 2008.

List of Proceedings:

1. **M. K. Memon**, K. A. Elraies, and M. I. Al-Mossawy, "Controlling Gas Mobility in Water Alternating Gas Injection by Surfactant Blend Formulations," in *ICIPEG 2016*, ed: Springer Singapore DOI: 10.1007/978-981-10-3650-7_16 pp 195-203, March 2017.
2. G. Abbas, S. Irawan, **M. K. Memon**, S. A. Kalwar, and S. Kumar, "Hydroxypropylmethylcellulose as a Free Water and Settling Control Agent in Oil Well Cement Slurry," in *ICIPEG 2014*, ed: Springer Singapore, DOI: 10.1007/978-981-287-368-2_11 pp. 121-128, 2015.