Dr. Muhammad Jawad Munawar

Assistant Professor

Sedimentology, Mineralogy, Petrology

Research Interests

Geothermal gradient evaluations, Critical minerals, Mineralogic studies, petrological studies, tectonic reconstruction, aggregate studies, facies analyses and modeling

Qualifications

- Ph.D. (stratigraphy, sedimentology), 2018, China University of Petroleum, East China)
- Ph.D. (exchange student), 2015, Ghent University
- M.Sc. Applied Geology (Micropaleontology/ stratigraphy), 2009, Institute of Geology, University of the Punjab
- B.Sc. (Hons) Applied Geology, 2008, Institute of Geology, University of the Punjab

Experience

- Assistant Professor at Institute of Geology, University of the Punjab, Lahore (2018–till date)
- Research Assistant, Petroleum Institute, Abu Dhabi (Oct 2016 – Jan 2017)
- Geologist at Alishar Contracting Corporation, Saudi Arabia (June 2012 – July 2013)
- Internee Geologist at Oil and Gas Development Company Limited, Pakistan (June 2010 – June 2011)
- Internee at Petroleum Exploration Limited, Pakistan (June 2008 – August 2008)

Teaching

Sedimentology, Sedimentary Petrology, Remote Sensing and GIS, Nuclear Geology, Petroleum Geology, Economic Geology

Research Projects/ Funding

Awards and Honors

Performance Based increment (PBI) awards

Conferences

- Architecture and Reservoir Qality of Low-Permeability Eocene Lacustrine Turbidite Sandstone from Dongying Depression, East China.
- Muhammad Jawad Munawar, Lin Chengyan, Dong Chunmei, Jone Gluyas, Zhang Xianguo, Muhammad Aleem Zahid, Ma Cunfei (2018). AAPG annnual convention and exhibition (ACE), Salt Lake City
- Petrographic characterization of low-permeable to tight turbidite sandstone from Eocene Shahejie Formation using micro-CT.
- Muhammad Jawad Munawar, Veerle Cnudde, Lin Chengyan, Tom Bultreys, Chunmei Dong,
- Zhang Xianguo, Wesley De boever, Muhammad Aleem Zahid, Yuqi Wu (2018). InterPore 2018, New Orleans
- Characterization of minerals and pore space using the data-constrained modeling in shale.
- Yuqi wu, Lin Chengyan, Yang Sam, Ren Lihua, Muhammad Jawad Munawar (2018). InterPore 2018, New Orleans
- Microstructures characterization of sandstone based on the data-constrained modeling. Yuqi wu, Lin Chengyan, Yang Sam, Ren Lihua, Muhammad Jawad Munawar (2018). InterPore 2018, New Orleans
- Pore Size Distribution and Reservoir Characterization: Evaluation for the Eocene Beach-Bar Sequence, Dongying Depression, China.
- Muhammad Aleem Zahid, Dong Chunmei, Alexandra N. Golab, Chengyan Lin, Xianguo Zhang, Xinmin Ge, Wu Songtao, Muhammad Jawad Munawar, Cunfei Ma (2017). CGS/SEG International Geophysical Conference. Qingdao. http://library.seg.org/doi/pdf/10.1190/IGC2017-308
- Characterization of Petrographic and Petrophysical Properties from 3D Digital Rock Images: A Case Study on Beach-bar Sandstone of Boxing Sag, East China.
- Muhammad Aleem Zahid, Dong Chunmei, Alexandra N. Golab, Chengyan Lin, Xianguo Zhang, Muhammad Jawad Munawar, Cunfei Ma, Lydia Knuefing (2017). CGS/SEG International Geophysical Conference. Qingdao. http://library.seg.org/doi/pdf/10.1190/IGC2017-306
- Characterization of grain and Pore sizes of Es3 turbidites sandstone from Eocene Shahejie Formation with 3D tomographic micro-CT images.
- Muhammad Jawad Munawar, Lin Chengyan, Veerle Cnudde, Wesley De Boever, Dong Chunmei, Muhammad Aleem Zahid (2016). EAGE China – International Symposium on Digital Rock Physics and Applications. Beijing: EAGE-SCA.