

# Dr. Razaq Abdul Manan

**Designation:** Assistant Professor  
**Department:** Centre of Excellence in Mineralogy  
University of Balochistan, Quetta  
**E-mail:** [razzaqam@yahoo.com](mailto:razzaqam@yahoo.com)  
**Telephone:** +92- 81-9211285  
**Fax:** +92- 81-9211323



## Education

- Ph.D.** Sedimentology and Petrology of the Triassic-Jurassic, succession of Western Sulaiman Fold- Thrust Belt, Pakistan May, 2014
- M.Phil.** Geology, Geochemistry and origin of Dilband Iron Ore, Kalat District, Pakistan October, 2006
- M.Sc.** Geology (*Second position, 1<sup>st</sup> division*) University of Balochistan Major: Geology (Special paper Sedimentary Petrology) December, 1998

## Professional Work Experience

- |                        |   | <u>Year</u>  |
|------------------------|---|--|
| 1. Assistant Professor | Centre of Excellence in Mineralogy, University of Balochistan, Quetta   | 25 <sup>th</sup> July, 2007-present                  |
| 2. Geologist           | Tethyan Copper Company (TCC), A joint venture of Barrick Gold (Canada) & Antofagasta (South America, Chile)                       | May 16 <sup>th</sup> 2004 to July, 2007              |
| 3. Lecturer            | University of Balochistan   | Sep15 <sup>th</sup> 2003 to May15 <sup>th</sup> 2004 |
| 4. Geologist           | Pakistan Petroleum Ltd (PPL)  | 10 <sup>th</sup> March to June 2003                  |
| 5. Geologist           | BESROCK (Pvt.) Ltd on Dilband Iron Ore Project<br>In collaboration with Geologist & Metallurgist of Pakistan Steel Mills, Karachi | February 1999 to March 2000                          |

## ❖ Specialization/Expertise

- Sedimentological section measurement of Clastic- & non-Clastic Rocks in the field & cores
- Preparation of Sedimentological logs & cross-sections on computer
- Interpretation of the area based on field observations, drill data & laboratory examinations
- Wide range of sample collection for the purpose of biostratigraphy, source, reservoir, petrography channel, trench and bulk sampling sampling for geochemical analysis.
- Geological logging & mineral concentration identification in chips & Core on drilling site and core shed (RC & Diamond drilling).
- Geotechnical logging i.e. Core measurement, RQD, Alpha angle, point load test, Tilt test, and Roughness.
- Geological mapping on various scales using aerial photographs, toposheets and satellite imageries.