

# Razzaq Abdul Manan Durrani

**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

- |                                                                                                                                                 |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>Ph.D.</b> Sedimentology and Petrology of the Triassic-Jurassic, succession of Western Sulaiman Fold- Thrust Belt, Pakistan.                  | May, 2014      |
| <b>M.Phil.</b> Geology, Geochemistry and origin of Dilband Iron Ore, Kalat District, Pakistan.                                                  | October, 2006  |
| <b>M.Sc.</b> 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) | 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. Internee Geologist  | Pakistan Petroleum Ltd (PPL).                                                                        | 10 <sup>th</sup> March to June 2003.                  |
| 5. Lecturer            | University of Balochistan                                                                            | June 2002 to August2002.                              |
| 6. Geologist           | BESROCK (Pvt.) Ltd on Dilband Iron Ore Project.                                                      | February 1999 to March 2000.                          |

## Research Interests

- ❖ Clastic- and Non-Clastic Sedimentology
- ❖ Porphyry Copper deposits

## Courses Teaching (MS/Ph.D.)

Sedimentology  
Geochemistry  
Economic Geology  
Environmental Geology

## Foreign field visit

One-week Sedimentology and Metamorphic Rock studies in Bornholm (Denmark) with foreign supervisor, Professor, Henrik Friis  
June, 2011

### Other Responsibilities

Semester Coordinator MS/Ph.D.  
Students counseling and guiding

March, 2016 onwards

### Professional Association/Membership

Pakistan Association of Petroleum Geologist (PAPG)

October, 2017

Science, Technology, and Development  
Pakistan Council for Science and Technology (*Reviewer*)

June, 2018

### Professional honors/Awards/Fellowship

Higher Education Commission Fellowship  
International Research Support Initiative Programme (IIRSIP), Denmark

December, 2010-2011

### Courses/Training

Courageous Leadership Course at Marriot Hotel Islamabad organized by  
Barrick Gold Company Canada

June, 2007

Short course on Sedimentary Provenance Analysis in Göttingen,  
(**Germany**) organized by the Department of Sedimentology &  
Environmental Geology

September, 2015

### Other Skills/Strength.

acQuire 4.1 (Mining software)  
Arcview 9  
Adobe CS3

September, 2006

June, 2006

August, 2013

Languages (Proficient in oral and written English)

Hobbies (Gardening, Stamp collecting, Hiking)

### List of Published Research Papers

1. *Din, M., Manan, R. A., Kakar, M. I, and Kassi, A. M., 2019.* Petrology and Geochemistry of Dolerite and Lamprophyre Sills in Mesozoic Successions of Khanozai-Muslim Bagh Area, Northwestern Pakistan. **Arabian Journal of Geosciences**, 12:266.
2. *Kasi, A. K., Kassi, A. M., Umar, M., Friis, H., Mohibullah, M., and Manan R. A., 2018.* Paleogeographic and Depositional Model for the Neogene fluvial succession, Pishin Belt Northwest Pakistan: the effect of post collisional tectonics on sedimentation in peripheral foreland setting. **Acta Geologica Sinica** (English Edition), 92, 2, 499–518.
3. *Kasi, A. K., Kassi, A. M., Friis, M. I., and Manan, R. A., 2017.* Petrology and provenance of the Neogene fluvial succession in Pishin Belt (Katawaz Basin) western Pakistan: Implications for sedimentation in peripheral forelands basins. **Geosciences Journal**, 21, 2, 149-166.
4. *Kasi, A. K., Kassi, A. M., Friis, H., Kakar, M. I., and Manan, R. A., 2014.* Clay minerals assemblage in the Neogene fluvial succession of the Pishin Belt, Pakistan: implications for provenance. *Journal of Himalayan Earth Science*, (HEC X-category journal) 47, 63-73.
5. *Kakar, M. I., Kasi, A, K, and Manan, R. A., 2013.* Petrology and geochemistry of gabbros from the Muslim Bagh Ophiolite: implications for their petrogenesis and tectonic setting. *Journal of Himalayan Earth Sciences*, (HEC X-category journal), 46 (1) 19-30.

6. **Manan, R. A.**, *Kassi, A. M. and Kasi, A. K.*, **2012**. Petrology and provenance of the sandstone channel succession within the Jurassic Loralai Formation, Sulaiman Fold-Thrust Belt, Pakistan. *Journal of Himalayan Earth Sciences*, (HEC X-category journal) 45, 1-16.
7. *Kasi, A. K., Kassi, A. M., Umar, M., **Manan, R. A.** and Kakar, M. I.*, **2012**. Revised Lithostratigraphy of the Pishin Belt, northwestern Pakistan. *Journal of Himalayan Earth Sciences*, (HEC X-category journal) 45, 53-65.

### **Conference Proceedings**

- 1) **Manan, R. A.**, *Khan, A. S., Farooqui, M. A., Kasi, A. K.*, **2017**. **Depositional Environment of Dilband Ironstones, Kalat District, Pakistan**. International Conference on Mining and Fuel Industries (CMFI-2017), Karachi. Pakistan.
- 2) **Manan, R. A.**, *Kassi, A. M., Friis, H., Kasi, A. K.*, **2012**. **Geochemistry of the sandstone of Jurassic Loralai Formation, Sulaiman Fold-Thrust Belt, Pakistan: Implications for provenance and source area weathering**. *Journal of Himalayan Earth Sciences*, Proceedings 45, (2), 40.
- 3) *Kasi, A. K., Kassi, A. M., Friis, H., **Manan, R. A.***, **2012**. **Sandstone and conglomerate petrology of the Neogene succession, Pishin Belt, northwestern Pakistan**. *Journal of Himalayan Earth Sciences*, Proceedings 45, (2), 70.

### **Countries visited**

- ◆ England
- ◆ Denmark
- ◆ Sweden
- ◆ Spain
- ◆ Germany

### **References**

- ◆ Professor Emeritus, Henrik Friis,  
Department of Geoscience, Århus University, Denmark.  
[henrik.friis@geo.au.dk](mailto:henrik.friis@geo.au.dk)
- ◆ Professor Emeritus & Dean Research Sciences, Dr. Akhtar Muhammad Kassi,  
University of Balochistan, Quetta, Pakistan  
[amkcem1@gmail.com](mailto:amkcem1@gmail.com)