

# Curriculum Vitae

## Javed Iqbal

Geotechnical Engineering and Geohazards (PhD Scholar)  
Institute of Geology and Geophysics,  
Chinese Academy of Sciences, Beijing China



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Date of Birth: April 01, 1984  
Marital status: Single  
Nationality: Pakistani

## Present Position

Research Fellow / PhD Scholar at Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing 100029, China

## Selected SCI/ISI Publications

### 2012

1. Ling Xu, Xiaojuan Qiao, Caixia Wu, **Javed Iqbal**, Fuchu Dai (2012). Causes of landslide recurrence in a loess platform with respect to hydrological processes. *Natural Hazards*, Volume 64, Issue 2, pp 1657-1670 (**IF = 1.529**)

### 2013

2. Jan-qi Zhuang, Peng Cui, Jian-bing Peng, Kai-heng Hu, **Javed Iqbal**. Initiation processes of debris flow on different slopes due to surface flow, and post-earthquake mitigation strategies for old Beichuan County, China. *Environ Earth Sci*, DOI 10.1007/s12665-012-1837-2 (**IF = 1.059**)
3. Ling Xu, Fuchu Dai, Jian Chen, **Javed Iqbal**, Yongxin Qu. Analysis of a progressive slope failure in the Xiangjiaba reservoir area, Southwest China. *Landslides*, DOI 10.1007/s10346-012-0373-1 (**IF = 2.216**)
4. L. Xu, F.C. Dai, X.B. Tu, **I. Javed**, M.J. Woodard, Y.L. Jin, L.G. Tham. Occurrence of landsliding on slopes where flowsliding had previously occurred: An investigation in loess platform, North-west China. *Catena*, DOI 10.1016/j.catena.2012.11.010 (**IF = 1.889**)
5. C. Xu, Xiwei Xu, Hamid Reza Pourghasemi, Biswajeet Pradhan, **Javed Iqbal**. Volume, Gravitational potential Energy Reduction, and Regional Centroid position Change in the wake of Landslides triggered by the April 14, 2010, Yushu Earthquake. *Arabian Journal of Geosciences*, 2013. doi: 10.1007/s12517-013-1020-4 (SCI, **IF = 0.740**)
6. Ling Xu, Fuchu Dai, Xinbin Tu, Leslie George Tham, Yufeng Zhou, **Javed Iqbal**. Landslides in a Loess Platform, North-west China. *Landslides*, (SCI, **IF = 2.093**) (under 2<sup>nd</sup> review)
7. Zhuang Jianqi, Peng Jianbing, Liu Tieming, **Javed Iqbal**. Probability prediction model for landslide occurrences in Xi'an, Shaanxi, China. *Journal of Mountain Science*, (SCI, **IF = 0.664**) (under 2<sup>nd</sup> review)
8. Wei Hou-zhen, Xu Xiao-feng, **Javed Iqbal**, Meng Qing-shan, Wei Chang-fu, Chen Pan. Dilatant behavior of intensely weathered coarse-grained soils: a comparative study in the wake of diverse controlling factors. *Arabian Journal of Geosciences*, (SCI, **IF = 0.740**) (under 1<sup>st</sup> review)
9. Amin H Malik, **Javed Iqbal**. Seismicity of the Hazara Division with reference to Abbottabad Region, Lower Himalayas, North Pakistan. *Natural hazards*, (SCI, **IF = 1.639**) (under 1<sup>st</sup> review)
10. **Javed Iqbal**, Irfan Faisal, Ibrahim Fahad, Gohr Rehman. Descriptive study of structural styles and mapping of Shaker Khail Area, Kohat Plateau, Pakistan. *China Petroleum Processing & Petrochemical Technology* (SCI, **IF=0.083**) (under 1<sup>st</sup> review)

11. **Javed Iqbal**, Dai Fuchu, Min Hong. Active landslides in red-soils and their prevention: A case study from southwest China. **To be submitted to**; Natural hazards, (SCI, **IF = 1.639**)
12. **Javed Iqbal**, Dai Fuchu, Min Hong. Investigation and analysis of active landslides in red-soils: A case study from southwest China. **To be submitted to**; Engineering geology, (SCI, **IF = 1.403**)
13. **Javed Iqbal**, Dai Fuchu, Min Hong. Failure mechanism of active landslides in southwest china based on microstructure analysis from failure surface. **To be submitted to**; Landslides, (SCI, **IF = 2.093**)

#### **International Conference Papers**

14. **Javed Iqbal**, Fuchu Dai, Ling Xu, and Tu Xinbin (2013). Characteristics of large-sized landslide dams around the World. Geophysical Research Abstracts, Vol. 15, EGU2013-256
15. **Javed Iqbal**, Dai Duchu, Xu Ling, Xinbin Tu. Statistical characteristics and stability (SI) index of large-sized landslide dams around the world. 5<sup>th</sup> International conference on Environmentally Sustainable Development (ESDev 2013), August 25-27, 2013, CIIT Abbottabad, Pakistan.
16. **Javed Iqbal**, Dai Duchu, Min Hong, Xu Ling, Hu wei. Characteristic and analysis of red-soils landslides in Southwest China. 5<sup>th</sup> International conference on Environmentally Sustainable Development (ESDev 2013), August 25-27, 2013, CIIT Abbottabad, Pakistan.

#### **Reviewer of SCI / ISI Journals**

- **Landslides (Impact Factor = 2.093)**
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#### **Academic Qualifications**

2006: B.Sc (hon's) in Geology

2008: M.Sc in Applied Geology

2011 onward: PhD scholar of Geotechnical Engineering and Geohazards, Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing 100029, China

#### **Employment Record**

##### **COMSATS Abbottabad, Pakistan (April 2008 to present)**

Lecturer at COMSATS Institute of Information Technology (Department of Earth Sciences / Environmental Sciences) Abbottabad, Pakistan

##### **Halliburton Middle-east (December 2008 to July 2010 (on leave from COMSATS IIT))**

Surface Data Logging Engineer (SDL-Engineer) with Halliburton in Saudi Arabia and Bahrain

#### **Major Research Area and Interests**

##### **(1) Landslide/rock avalanche mechanism and landslide hazard and risk assessment**

Earthquake triggered landslides and rock avalanches, cosmogenic nuclide dating of rock avalanches. Landslide hazard and risk mapping, triggering mechanism, frequency-magnitude relationships, runout behavior of landslide debris, hydrological process of hill-slopes prone to landsliding,

**Field sites:** China (Shaanxi province, Henan province, Sichuan province, Yunnan province)

**Techniques:** Geomorphological mapping, remote sensing, GIS analysis, statistical assessment, stress path testing, analysis of historic records, pore pressure and rainfall monitoring, OSL and <sup>10</sup>Be dating

##### **(2) Real-time warning of landslides**

Automatic slope instrumentation, hill-slope hydrological response to rainfall

**Techniques:** Geomorphological mapping, fully automatic geotechnical instrumentation, bore-hole logging and correlation, geotechnical laboratory testing, microstructure analysis, Numerical modeling

## Computer and software skills

GIS & Remote Sensing, Geostudio/Geo-slope, FLAC, Grapher, INSITE, CorelDraw, Auto CAD

## International Conferences Attended

- **September 13-16, 2012 (Beijing, China)**  
The Sino-Germany Workshop (GZ849) “Monitoring and Early Warning of Geohazards under Global Climate Changes”
- **September 20-23, 2012 (Xinjiang, China)**  
“International Symposium on Earth Observation for Arid and Semi-Arid Environments”
- **April 7-12, 2013 (Vienna, Austria)**  
European Geosciences Union General Assembly 2013
- **August 25-27, 2013 (CIIT Abbottabad, Pakistan)**  
5<sup>th</sup> International conference on Environmentally Sustainable Development (ESDev 2013)

## Trainings, Workshops and Certificates

- Geotechnical engineering and soil mechanics laboratory tests training, April-July **2013**. Institute of Rock and Soil Mechanics, Chinese Academy of Sciences, **Wuhan China**.
- Numerical modeling training for potentially unstable slopes, April-July **2013**. Institute of Rock and Soil Mechanics, Chinese Academy of Sciences, **Wuhan China**.
- 3 months training for <sup>10</sup>Be, <sup>26</sup>Al, <sup>36</sup>Cl from rock and sand samples in lab, Institute of Geology and Geophysics, Chinese Academy of Sciences, **Beijing China (2012)**.
- 3 months training for OSL and <sup>14</sup>C dating methods, Institute of Geology and Geophysics, Chinese Academy of Sciences, **Beijing China (2012)**.
- Chinese Language course, Fall semester **2011-2012**, Graduate University of Chinese Academy of Sciences, **Beijing China**.
- **IELTS** certificate (International English language test) with high Band Score (**2010**)
- H<sub>2</sub>S Safety and Self Contained Breathing Apparatus (SCBA) course, January **2010**, from SRS, **Dammam Saudi Arabia**.
- Halliburton online courses (**2009-2010**).
- H<sub>2</sub>S Safety and Self Contained Breathing Apparatus (SCBA) course, January **2009**, from SRS, **Dammam Saudi Arabia**.
- One week Faculty Development Workshop (**FDW\_2008**), COMSATS Institute of Information Technology **Abbottabad Pakistan**.
- Two weeks Training with OGDCL in August **2006** in Sindh, **Ghotki Pakistan**.

## References

**Prof. Dr. Dai Fuchu** (My PhD Supervisor)

Research professor (Tethys research centre)

Institute of Geology and Geophysics,

Chinese Academy of Sciences, Beijing China

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**Prof. Dr. Iftikhar A Raja**

Foreign Professor

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CIIT Abbottabad, Pakistan

Email: iaraja@ciit.net.pk