

# Curriculum Vitae

Baban Mustafa Yousef  
30 Zanko Village, Duhok, Iraq  
[baban.yousef@gmail.com](mailto:baban.yousef@gmail.com)  
Mobile: +964(0)7503316790  
Skype ID: babanatrushi

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## EDUCATION

- 2012-2016 University of Leeds  
**PhD Geophysics**
- 2006-2009 University of Tehran (Accredited by the institute of Geophysics)  
**MSc Geophysics (Exploration Seismology)**
- 2001-2005 University of Qom  
**BSc Physics**
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## RELEVANT WORK EXPERIENCE

### Head of Department

**September 2019- Present Head of the department of Geology, College of science, University of Duhok, Iraq.**

The position is mainly focused on developing quality of teaching has delivered by academic staffs. Also, encourage academic staffs conduct research activity individually or through collaboration with another Institute.

### Coordinator:

**September 2017- September 2019 Coordinator of quality assurance of Spatial Planning and Applied Science department, University of Duhok, Iraq.**

The position is mainly focused on the monitoring and evaluation of the quality of teaching and the development progress of academic staffs. The job includes the assessing the Portfolio of academic staffs at the end of each academic year (i.e., June).

### Supervisory:

**April 2017- November 2017 Supervisor of Vocational Training Programme at ZSVP NGO**

The project was mainly conducting vocational training for 705 suitable beneficiaries from three different categories based on the labour market assessment was accomplished in Duhok province.

- **Key Projects:**

- Conducting a survey of labour market assessment to realise the market skill in demand.
- Collecting the beneficiaries from the host community, IDPs and refugees and selecting the suitable for the relevant course.
- Ensure that all data is properly inserted in the designated database.
- Preparing the report and statistical information every month for UNDP and GIZ.
- Expanding the project in training centres that suffering from assets.

### Geophysicist:

**July 2012- August 2012 Land 3D seismic data acquisition and processing**

General Exploration Partners (GEP) Company, Atrush Block-Duhok-Iraqi Kurdistan

- The work was including participation and primarily was focused on doing processing of 3D reflection seismic data using Vista software.

- **Key Projects:**
  - accordance with the survey design performing the operation which its S/N ratio was acceptable.
  - Conducting a refraction test to evaluate the LVL in order to drill the holes of dynamite source.
  - Implementing both vibroseis and dynamite source depend on the complexity to carry driller or being close to the residential region.

**January 2008- February 2008      Land 3D Seismic Data Acquisition**

Oil Exploration Operation Company, Participate in on the Pazanan block - Ahwaz, Iran

- The work was my MSc internship, which I initiated observation the job of all crews such as survey, drilling, HSE and QC.

**Teaching: Assistant Lecturer    (University of Salahaddin, Erbil-Iraqi Kurdistan Region)**  
**Geophysics (December 2009 – January 2012):**

- Delivering lectures in 3rd year practical geophysics module. This role involved setting and marking of exam questions.

**Lecturer (University of Duhok, Duhok-Iraqi Kurdistan Region)**

- Geophysics (October 2017- present): Delivering lectures in 4<sup>th</sup> year theory and practical modules.
- Computer (October 2018- present): Delivering lectures in 1<sup>st</sup> year theory and practical modules.
- Well logging (October 2018-present): Delivering lectures in 3<sup>rd</sup> year theory and practical modules.

**Skills Profile**

**Contribute to a good working environment**

- As part of my MSc study, I supervised a group of students carrying out a small-scale data refraction aquition to extract the campus' underground layers and their properties.
- Being Captain of my handball team at Institute of Geophysics of University of Tehran has honed my leadership and team engagement skills which has seen my team go through the season and winning our second trophy against other departments.

**Strong communication and ability to work with different cultures**

- Working with other crews at GEP company with different culture, I ensured we worked harmoniously as a team, conducting operation on that short time bas on report of head team manager.
- Conducting a series of seminars in my PhD study, requiring communication and inviting researchers to show their final results. That brought lots of insights into current executing research with addition of making new scientific/industrial connections.

**SOFTWARE SKILLS**

- Familiar with both PC and Macintosh environments
- Programming: MATLAB®, Fortran
- Geophysical Software/Packages: VISTA®, Hampson-Russell®, PickWin®, WAVE, Sheba (Shear-wave splitting), Matisse (seismic Anisotropy Tomography)

**CERTIFICATES**

2015    Understanding Seismic Anisotropy in Exploration and Exploitation: Hands On

Dr. Leon Thomsen (Delta Geophysics)  
EAGE (European Association of Geoscientists and Engineering)  
31May -1 June 2015- Madrid, Spain.

- 2015 Seismic Imaging: A Review of the Techniques, their Principles, Merits and Limitations  
Mr Etienne Robein, ERT - Pau, France  
EAGE (European Association of Geoscientists and Engineering)  
2-3 March 2015- London, UK.
- 2014 Full Waveform Inversion: Where are the Anisotropic Parameters hiding?  
EAGE (European Association of Geoscientists and Engineering)  
June 2014- London, UK.
- 2013 Seismic Fracture Characterization: concepts and Practical applications (EET 8)  
EAGE (European Association of Geoscientists and Engineering)  
June 2013- London, UK.
- 2009 Land Data Acquisition and Processing  
EAGE (European Association of Geoscientists and Engineering)  
May 2009-Shiraz, Iran.

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#### **PUBLICATIONS AND PRESENTATIONS**

**Yousef, B. M.**, and Angus, D. A. (2017). Analysis of fracture induced scattering of microseismic shear-waves. *Studia Geophysica et Geodaetica*, 61, 1-26.

**Yousef, B.M.**, Almarzooq, H., Angus, D.A. & Hildyard, M.W. (2017). Fracture parameter inversion from passive seismic shear-wave splitting: A validation study using full-waveform numerical synthetics, *Tectonophysics* ([10.1016/j.tecto.2017.06.034](https://doi.org/10.1016/j.tecto.2017.06.034)).

**Yousef, B.**, and Angus, D. (2016). When do fractured media become seismically anisotropic? some implications on quantifying fracture properties. *Earth and Planetary Science Letters*, 444, 150–159.

**Yousef, B.M.**, Angus, D.A., Hildyard, M.W., Verdon, J.P., Perry, M., 2014. “Measuring shear-wave splitting using seismic anisotropy”. 76th EAGE, 16-19 June, Amsterdam, Netherlands.

**Yousef, B.**, Angus, D., Hildyard, M., Verdon, J. and Perry, M. 2013. “Full waveform model validation of microseismic shear-wave splitting fracture parameter inversion”. In: Second EAGE Workshop on Naturally Fractured Reservoirs.

**Yousef, B. M.**, Javaherian, A., Shini Kimassi, H. and Moslemi, A., 2009, “Application of nonstretch NMO in seismic reflection data processing”, EAGE Shiraz, May 4-6, Iran.

**Yousef, B. M.**, Javaherian, A. and Shini Kimasi, H., 2008, “Nonstretch NMO correction in seismic processing”, SEGJ 119th Meeting, Invitation, Tokyo, September, Japan.

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#### **LANGUAGES**

- Mother tongue: Kurdish
- Other Languages: English and Persian

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#### **RESEARCH INTERESTS**

- Seismic data processing
  - Modelling discrete fractured medium
  - Inverting fracture properties of fractured media
  - Study transition behaviour between scattering and effective medium of fractured media
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#### **ORGANAZATION AFFILIATIONS**

2006-present Society of Exploration Geophysicist: SEG  
2006-present European Association of Geoscientists & Engineers: EAGE  
2006-present American Association of Petroleum Geologists: AAPG

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#### **REFERENCES**

##### **Dr. Doug Angus (PhD Supervisor)**

Associate Professor: Seismic Geomechanics; Director Institute for Applied Geosciences,  
University of Leeds, Leeds, UK.

Email: [d.angus@leeds.ac.uk](mailto:d.angus@leeds.ac.uk)

<http://www.see.leeds.ac.uk/people/d.angus>

##### **Prof. Abdolrahim Javaherian (MSc Supervisor)**

Full Professor of Geophysics, Institute of Geophysics, University of Tehran, Tehran, Iran.

Email: [javaherian@aut.ac.ir](mailto:javaherian@aut.ac.ir)

##### **Dr. Ehsan Zabihi Naeini**

Senior Research Advisor -Ikon Science

Email: [enaeni@ikonscience.com](mailto:enaeni@ikonscience.com)

##### **Dr. Abid Ali Hasan**

Directorate of ZSVP non-government NGO

Duhok, Iraq

Email: [zsvp@yahoo.com](mailto:zsvp@yahoo.com)