

Resume

Payam Hassanzadeh

Date of birth: April 16, 1985. **Previous Name:** Ghanbar
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EDUCATION

2013-Today Amirkabir University of Technology (AUT), Tehran, Iran
Ph.D Student in Petroleum Exploration Engineering

- **GPA:** 18.58*

2007-2009 Amirkabir University of Technology (AUT), Tehran, Iran
M.Sc. in Petroleum Exploration Engineering

- **GPA:** 18.21*

2003-2007 Petroleum University of Technology (PUT), Abadan/Ahwaz, Iran
B.Sc. in Petroleum Exploration Engineering

- **GPA:** 17.26*

2002-2003 "Booali" Educational Institute, Ferydonkenar, Iran
Pre-university diploma in Mathematics & Physics

- **GPA:** 19.63*

1999-2002 "Booali" Educational Institute, Ferydonkenar, Iran
High School diploma in Mathematics & Physics

- **GPA:** 18.94*

*Overall GPA on a 20 Scale

AWARDS AND HONORS

- Ranked 1766th among More Than 450,000 Participants in National Entrance Exam of Universities in the Country, July 2003.
- Awarded the full tuition scholarship for B.Sc. in Petroleum Exploration Engineering from PUT.
- Ranked 3rd among 40 students of Petroleum Exploration Engineering at PUT.
- Ranked 9th among More Than 1000 Participants in National Entrance Exam of Universities in the Country for M.Sc. of Petroleum Exploration Engineering, February, 2007.
- Ranked 1st among the students of Petroleum Exploration Engineering at Amirkabir University of Technology, 2007-2009.

- One of the Three Students Selected by TOTAL Subsidiary in Iran to Attend "TOTAL Summer School 2008" themed " Corporate Education & Social Responsibility", Chantilly, France, 29 June-6 July,2008.

PUBLICATIONS

1. P. Hassanzadeh, "Azadegan Sandstone Reservoir Oils Comparison in North Persian Gulf Oil Fields, Iran" presented in 3rd South Asian Geosciences Conference and Exhibition (GEOINDIA 2015), New Delhi, India, 11-14 January 2015.
2. P. Hassanzadeh, "Lower Jurassic Source Rock Contribution on Tertiary Reservoirs Hydrocarbon Filling of Oil Fields, North West Persian Gulf, Iran" presented in 2013 International Petroleum Technology Conference (IPTC 2013), Doha, Qatar, 24-26 January 2014.
3. A. Ahanjan, M. Khaleghi, P. Hassanzadeh, " Origin and Occurrence of Tar Mat in Permo Triassic Dehram Group in Khayyam Field, Zagros Basin, SW Iran" presented in 2013 International Petroleum Technology Conference (IPTC 2013), Doha, Qatar, 24-26 January 2014.
4. P. Hassanzadeh, "Organic Geochemistry of the Cretaceous Petroleum System of North Persian Gulf, Iran" presented in 9th International Symposium on the Cretaceous System, Ankara, Turkey, 1-5 September 2013.
5. M. Kobraei, P. Hassanzadeh, "Cretaceous Source Rock Investigation, Oil-Source Rock Correlation in Abadan plain, South West Iran" presented in 9th International Symposium on the Cretaceous System, Ankara, Turkey, 1-5 September 2013.
6. A.R. Rabbani, E. Dehyadegari, G. Hassanzadeh, "Effect of CO₂ Injection on Geochemistry of Oil: Case Studies from South of Iran" Presented in 2nd International Conference Alpine-Petrol 2012, Krakow, Poland.
7. P. Hassanzadeh, M. Khaleghi, A. Ahanjan, R. Bagheri, M. Kobraei, "Geochemical Evaluation of Oil Reservoirs in the World's Largest Gas Field from Persian Gulf, Iran" Presented in 2012 Petroleum Geoscience Conference and Exhibition (PGCE 2012), Kuala Lumpur, Malaysia.
8. A.R. Rabbani, G. Hassanzadeh, E. Dehyadegari, "Asphaltene Deposition under CO₂ Injection: Experimental Study of Bangestan Reservoir of Ahwaz Oil Field, SW Iran" Published in *Journal of Petroleum Science and Technology*, 10 February, 2012.
9. G. Hassanzadeh, M. Kobraei, A. Ahanjan, R. Bagheri, M. Rashidi, M. Khaleghi, "Petroleum System Analysis Using Geochemical Studies, 1D Basin Modelling in Hendijan Oil Field, South West Iran" Presented in 2011 International Petroleum Technology Conference (IPTC 2011), Bangkok, Thailand.
10. G. Hassanzadeh, E.Salehi, "Combining Continuous Fluid Typing, Well Tests and Geochemical Measurements: New Approach for an Improved Understanding of Reservoir Architecture" presented in 1st National Oil and Gas Exploration – Productive Production Congress, Ahwaz, 15-16 April, 2009.
11. G. Hassanzadeh, R.Bagheri Tirtashi, "Geochemical Study on the Causes of Asphaltene Precipitation in Kupal Oil Field" presented in 2nd National Iranian Petroleum Engineering Congress, National Iranian South Oil Company, 30-31 January, 2008.
12. G. Hassanzadeh, Z.Mashhadi, "Geochemical Investigation on Source Rock Determination and its Maturity in Kupal and Adjacent Oil Fields" presented in 11th Geological Symposium of Iran, Ferdousi University, Mashhad, 4 -5 September, 2007.
13. G. Hassanzadeh, H.Karami, "New Advancements in Drilling Technology" published in "DOCTOR OIL" magazine in PUT, 2005.

TECHNICAL TRAINING

- National Iranian South Oil Company (NISOC), Ahwaz, Summer 2005.
 - Geology Department
- National Iranian Drilling Company (NIDC), Ahwaz, Summer 2006.
 - Rig # 83-FATH

- Research Institute of Petroleum Industry (RIPI), Tehran, 12-15 November, 2007.
 - Petrel Software Course
- Research Institute of Petroleum Industry (RIPI), Tehran, 24-27 November, 2007.
 - Geolog Software Course (NMR Module)

WORKING & ACADEMIC EXPERIENCE

- "Applied Geochemistry in Petroleum and Gas Exploration" Conference by **Hossein Alimi, Ph.D., Vice President of Humble Geochemical Services**, Shahid Chamran University, Ahwaz, Fall, 2005.
- Geological Field Trip to Kopet Dag Sedimentary Basin Related to the Course of Geology of Iran under Supervision of **Dr. Mohammad Ghavidel-Syooki**, November 2006.
- Geological Field Trip from Ahwaz to South of Iran (Bandar Abbas) Related to the Course of Geology of Iran under Supervision of **Dr. Mohammad Ghavidel-Syooki**, December 2006.
- Geophysical Field Trip to Kopet Dag Sedimentary Basin under Supervision of National Iranian Oil Company-Exploration Directorate, May 2008.
- "New Applications in Petroleum Geochemistry", **EAGE Middle Eastern Tour** by **Dr. Peter Nederlof, Shell International Exploration and Production**, Amirkabir University of Technology, Tehran, Iran, 24 October, 2008.
- **"HOW THE PETROLEUM SYSTEMS OF THE ZAGROS FOLDBELT OF IRAN AND CONTIGUOUS OFFSHORE EXPLAINS THE CURRENT DISTRIBUTION OF THE OIL AND GAS FIELDS, AND APPLICATION FOR FUTURE EXPLORATION"**, Conference by **M.L. Bordenave**, Tehran, May, 2010.
- **"Organic/Petroleum Geochemistry Office of Exploration Directorate-National Iranian Oil Company"** June 2009 until now.
- Missions to Take Geochemical Samples (Oil, Condensate & Gas) from Toos-1, Sefid-1, Khayyam-1, Madar-1, Farzad A-1 Exploration Wells.
- Contribution in Several Projects as a Geochemist in NIOCEXP such as:
 - "Dry Hole Analysis in Permo-Trias Horizon of West Kish Island-East South Pars Field in Persian Gulf "
 - " Dry Hole Analysis in Cretaceous Horizon of Salar Field in North Persian Gulf "
 - "Study of Hydrocarbon Potential in Jurassic Horizon of North Persian Gulf "
 - "Investigation of Relation Between East Nose of South Pars Filed and Balal Field in Persian Gulf"
 - "Geochemical Investigation of Oil Occurrence in Kangan & Dalan Reservoirs of East Assaluyeh Field"
 - "Geochemical Investigation of Oil Layers Including Mauddud, Upper & Lower Dariyan Reservoirs - South Pars Field, Persian Gulf"
 - "Writing Well Geochemical Reports of 5 Explorations Wells"
 - "Defining Future Strategy of NIOC-EXP about Lower Palaeozoic Hydrocarbon Exploration of Iran "
- Geochemist & Basin Analysis Specialist in Persian Gulf Hydrocarbon Fields.
- Technical Supervisor of **"Geochemical Analysis Project"** in National Exploration Directorate of NIOC.
- Contribution as a Geochemist in Several Geological Field Work.

COMPUTER & LABORATORIAL SKILLS

- Good at Genex
- Good at Temis 1D & 2D
- Good at PetroMod 1D & 2D
- Familiar with Rock-Eval 6.0, GC, GC-MS Apparatuses and Expert in Slim Tube Apparatus
- Good at Temis Flow 1D

- Master in Microsoft Office Package (Word, PowerPoint, Access, Excel, and FrontPage), and Windows Operating System

PROFESSIONAL SOCIETIES

- Society of Petroleum Engineering (SPE), from 2003 until now.
- SPE Vice-President, Chapter of Amirkabir University of Technology, Iran Section, from December 2008 until November 2009.
- European Association of Geoscientist & Engineers (EAGE), from March 2009 until now.
- American Association of Petroleum Geologist (AAPG), from May 2012 until now.

THESIS

- **B.Sc. Dissertation:** "Geochemical Investigation on the Causes of H₂S Presence and Asphaltene Precipitation in Bangestan Reservoir of Marun Oil Field, SW Iran" under supervision of Dr. Bahram Alizadeh.
- **M.Sc Dissertation:** "[Geochemical and Reservoir Studies of Asphaltene Precipitation due to CO₂ Injection in Hydrocarbon Reservoirs: Case Studies from South of Iran](#)" under supervision of Dr. A.R Rabbani.

CERTIFICATES

- "Petroleum Geology & Geophysics", **TOTAL Professors Association: TPA** Course by **Christian Chomat and J. Mouillac**, Amirkabir University of Technology, Tehran, Iran, 23-27 May, 2009.
- [Beicip-Franlab, Mahmoudabad, IRAN, 25-29 September, 2010.](#)
 - TEMIS 1D/2D Software
- [Prof. Malvin Bjorøy, Institute of Petroleum Engineering, Tehran University, IRAN, 1-6 October, 2011.](#)
 - Seminar in Petroleum Geochemistry
- [Beicip-Franlab, Mahmoudabad, IRAN, 16-20 June, 2012.](#)
 - GENEX & Temis Flow Software
- [University of Lorraine, Nancy, France, 1-12 July, 2012.](#)
 - Practical Petroleum Geochemistry Methods and Analysis
- [Hossam Ali Mohamed \(StratoChem Services, Egypt\), Shiraz, IRAN, 13-17 October, 2012.](#)
 - The Application of Basin Modeling to Resource Plays
- [Beicip-Franlab and Petrosar, Tehran, IRAN, 23-27 February, 2013.](#)
 - Exploration Systems Modeling with TemisFlow 2012 Software

RESEARCH INTERESTS

- Organic and Petroleum Geochemistry
- CO₂ Sequestration
- CO₂ Enhanced Oil Recovery
- Reservoir Geochemistry
- Gas Geochemistry & Gas-Gas Correlations
- Source Rock Evaluation & Oil-Oil and Oil-Source Rock Correlation
- Basin Modelling, Thermal history, Petroleum Generation and Migration

- Petroleum Geology
- Petroleum Exploration

LANGUAGE PROFICIENCY

- Fluent in English:
 - One- Month Intensive English Courses held by PUT, fall 2004.
 - [Studying all Courses in English at Petroleum University of Technology for Four Years.](#)
 - TOEFL (Test of English as a Foreign Language) (iBT) (at November 13, 2009):
 - Reading: 27 out of 30
 - Listening: 20 out of 30
 - Speaking: 19 out of 30
 - Writing: 20 out of 30
 - Total Score: 86 out of 120
- Basically in French

MAJOR COURSES TAKEN in B.Sc.

General Geology, Structural Geology, Structural Geology Lab., Fundamental of Petroleum Engineering, Palaeontology, Mineralogy, Mineralogy Lab., Subsurface Geology, Geophysics 1, Petroleum Geology, Sedimentology, Sedimentary Petrology, Sedimentary Petrology Lab., Micropalaeontology, Stratigraphy, Geophysics 2, Organic Geochemistry, Reservoir Engineering, Geology of IRAN and Adjacent Regions, Petrophysics, Sequence Stratigraphy, Well Logging, Enhanced Oil Recovery, Marine Petroleum Geology, Sedimentary Environments

MAJOR COURSES TAKEN in M.Sc.

Advanced Engineering Mathematics, Advanced Organic Geochemistry, Petrophysics, Sedimentary Basin Analysis, Subsurface Geology, Special Topics in Petroleum Exploration (Biomarker Studies), Advanced Geophysics, Seismic Data Acquisition

HOBBIES

- Visiting New Places
- Hiking & Camping
- Playing Football & Table Tennis
- Studying

PERSONAL

- Hard-Working, Energetic, Interested in Team-Work, Initiative and I Have a Sense of Humour as Well

REFERENCES

1. Dr. Mohammad Ghavidel-syooki, Professor of Several Courses in Undergraduate Study, Petroleum University of Technology, Iran, m_ghavidelsyooki@yahoo.com
2. Dr. A.R Rabbani, Professor of Petroleum Department at Amirkabir University of Technology, My Supervisor in M.Sc. Project Course, Tehran, Iran, rabbani@aut.ac.ir

3. Dr. B. Alizadeh, Professor of Science Department at Shahid Chamran University, My Supervisor in B.Sc. Project Course Ahwaz, Iran, alizadeh@scu.ac.ir