

CURRICULUM VITAE

HOSSEIN MOSADDEGH (Associate Professor)

FIRST NAME: Hossein

SURNAME: Mosaddegh

CONTACT DETAILS

Kharazmi University, No.49, Sh. Mofatteh Ave., Tehran, IRAN

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FORAMAL EDUCATION

1991- 2000

Ph D - Stratigraphy & Paleontology

Kharazmi (Tarbiat Moallem) University, Tehran, Iran.

THESIS TITLE

-Microfossils, Facies, Sedimentary Environment and Sequence Stratigraphy of Mobarak Formation in Central Alborz.

1988- 1991

M Sc - Stratigraphy & Palaeontology

Kharazmi (Tarbiat Moallem) University, Tehran, Iran.

THESIS TITLE

-Mocrobiostratigraphy and Microfacies of Mobarak Formation in Mobarak -abad Section, (Northeast of Tehran).

1984- 1988

B Sc- Geology

Tehran University, Tehran, Iran.



EMPLOYMENT HISTORY

2002 – 2003

Geologist at National Iranian Oil Company and Research Institute for Petroleum Industry (RIPI)

Over the one years of my employment I worked on the following project:

Well Nowrooz-16 Burgan B Conventional Core Analysis and Reservoir Characterization.

ACADEMIC EXPERIENCE

2013-cont.

Associate Professor

Faculty of Earth Sciences , Kharazmi University of Tehran

2000-2013

Assistant Professor

School of Earth Sciences, Damghan University

2001-2005

Dean of Faculty of Earth Sciences, Damghan University, Damghan, Iran

1992-2000

Instructor in Micropaleontology and Sedimentology:

-Agricultural Sciences & Natural Resources University of Gorgan

-Kharazmi University of Tehran

TEACHING

Geology of Carbonate Reservoir

Petroleum Geology

Sequence Stratigraphy

Advanced Mirofacies

Advanced Sedimentary Environments

SUPERVISED AND ADVISED THESIS

More than 40 post-graduate students in geosciences, reservoir characterization and petroleum geosciences

RESEARCH INTERESTS

-Upper Paleozoic Stratigraphy(Biostratigraphy and Sequence Stratigraphy)

-Devonian/Carboniferous Boundary (Isotope and Geochemical Stratigraphy)

-Sedimentary Environment and Facies

-Magnetic susceptibility/Sea-level Changes

-Reservoir Characterization

SKILL AND QUALIFICATION

-Having good command of English (Reading, Writing, Speaking, and Listening)

Familiarity with Software:

- Geolog

- Petrel

- Rockworks

- Log Plot

- MS office (word, Excel, Power point), Photoshop, Corel draw

PUBLICATION

- 1-Zandkarimi, K., Vachard, D., Cozar,P., Najafian,B., Hamdi,B. and **Mosaddegh, H.**(2016) New data on the late Visean - late Serpukhovian Foraminifers of Northern Alborz, Iran (Biostratigraphic Implications), *Revue de Micropaleontologie*, in press.
- 2- Sharafi, M., Longhitano, S, G., Mahboubi, A., Moussavi-Harami, R. and **Mosaddegh, H.**(2016) Sedimentology of a transgressive mixed-energy (wave/tide-dominated) estuary, Upper Devonian Geirud Formation (Alborz Basin, Northern Iran), *Journal of Proceedings of the Tidalites 2012 Conference*, P.261-292.
- 3-Hadi, M., **Mosaddegh, H.** and Abbasi, N.(2016) Microfacies and biofabric of nummulite accumulations (Bank) from the Eocene deposits of Western Alborz (NW Iran), *Journal of African Earth Sciences*, Vol.124,P.216-233
- 4- Medadi, M. , **Mosaddegh, H.**, Al-e-Ali ,M., Madjidi Fard, M.(2016)Paleobiodiversity of Permian small foraminifera based on Lithostratigraphy and Biostratigraphy in Ab-e-Garm Section, Ghazvin, *Journal of Geosciences, Geological Survey of Iran*, Vol.26, No. 101 , P.127-138.
- 5-Hekmatshoar, M., Hassan-nezhad, A. A., Memarieni, M. and **Mosaddegh, H.** (2016)The Investigation of Hydrocarbon generation potential of Mobarak Formation by the use of Pyrolysis Rock-eval 2 Geochemical Method, *Journal of Petroleum Research*,No.86, p.132-144.
- 6- Hadi , M., **Mosaddegh, H.** and Abbasi, N. (2016) Large benthic foraminifera assemblages and environmental interpretation of Eocene deposits in the Soltanieh Mountains (Western Alborz) ,*Journal of Paleontology*, Vol.3, No.2,P.121-136.
- 7-Sharafi, M., Mahboubi, A., Moussavi- Harami, R. and **Mosaddegh, H.** (2016) The Ichnoassemblages and their environmental Importance in Geirud Formation, Southwest of Shahroud and North of Shahmirzad, Central Alborz, *Journal of Sedimentary Facies*,In Press.
- 8-Hadi, M., **Mosaddegh, H.** and Parandavar, M.(2016) Biostratigraphy of the middle Eocene carbonate sediments of the eastern part of the central Iran (Torbat-e-Jam area), *Journal of Geosciences, Geological Survey of Iran*, Vol.26, No. 102 , P.91-100.
- 9-Sardar Abadi, M., Da Silva, A., **Mosaddegh, H.**, Spassov, S. and Boulvain, F. (2015) Lower Carboniferous ramp sedimentation of the Central Alborz Basin, North Iran: integrated sedimentological and rock–magnetic studies, *Special Publication, Geological Society of London*,414, P. 73-91.
- 10-Dabestani, N., Hassan-nezhad, A. A., Memarieni, M. and **Mosaddegh ,H.**(2015) Comparison of organic geochemical data in Mobarak Formation (Eastern Alborz) in Touye-roudbar, Labnessar and Mighan regions, *Advanced Applied Geology*,No.17,p. 27-37.

- 11- Hadi, M., **Mosaddegh, H.** and Abbassi, N.(2015) Biostratigraphic interpretation and systematics of some Alveolina species assemblages in the Ziarat Formation from Soltanieh Mountains (Western Alborz), Journal of Geosciences, Geological Survey of Iran, No.24, P.39-44.
- 12-Babazadeh, S.A., Ghasemiyan, S., **Mosaddegh, H.** and Shakeri, A.(2014)Biostratigraphy and Lithostratigraphy Qom Formation from Shahanjarin Section in Garmab City, Zanjan, Journal of Paleontology, University of Payam-e-noor, Vol.1, No.1,P.31-39
- 13-Shahinfar, S., Shakeri, A. and **Mosaddegh, H.**(2014) Sequence Stratigraphy and diagenetic Asmari and Jahrum formation in South-East Shiraz(Tang-e-Zanjiran), Journal of Paleontology, University of Payamenoor, Vol.1, No.1,P.11-29.
- 14-Sharafi , M. , Mahboubi, A., Moussavi- Harami, R. , **Mosaddegh, H.** and Gharaie, M.H.M. (2014)Trace fossils analysis of fluvial to open marine transitional sediments: Example from the Upper Devonian (Geirud Formation), Central Alborz, Iran, palaeoworld, Elsevier, V.23,P. 50–68.
- 15-Mohammadi, K., Taghipour, N. and **Mosaddegh, H.**(2013) Geochemical changing of the Devonian-Carboniferous cross in the Labnesar section (North of Damghan), Journal of Geosciences, Geological Survey of Iran, Vol.24, No.94,P.217-228.
- 16- Sadeghzadeh, M., **Mosaddegh, H.** and Hosseini nejad, M. (2013)Sedimentary facies of a Distally steepened ramp with special sight on the turbidite deposits of the Lower Carboniferous deposits of Mighan area, The Eastern Alborz,Stratigraphy and Sedimentology researches, University of Isfahan, ,No.1, P.79-102.
- 17- Barari. A.,Hamdi, B. and **Mosaddegh, H.**(2012)The Paleontological Changes in Carboniferous System in Simeh–kuh Section(Northeast of Damghan): Introducing of 4 Conodont Zones, Journal of Geosciences, Geological Survey of Iran, Vol.2,No. 84 , P.37-42.
- 18-Fathi, S. and **Mosaddegh, H.** (2012) The investigation of effect of diagenetic processes on the Jurassic dolomitized carbonate rocks hosting of the Ahvanu Pb-Zn deposit, North of Damghan, Iran, Journal of Petrology, University of Isfahan, Vol.2,No. 8 , P.85-98.
- 19- Ghasemi-Nejad, E., Sabbaghiyan, H. and **Mosaddegh, H.**(2012) Palaeobiogeographic implications of Late Bajocian-Late Callovian (Middle Jurassic) dinoflagellate cysts from the Central Alborz Mountains, Northern Iran, Journal of Asian Earth Sciences, Volume 43, Issue 1, p. 1-10.
- 20- Shafaii Moghadam, H., **Mosaddegh, H.** and Santosh, M.(2012) Geochemistry and petrogenesis of the Late Cretaceous Haji-Abad ophiolite (Outer Zagros Ophiolite Belt, Iran): implications for geodynamics of the Bitlis–Zagros suture zone, Geological Journal, England,
- 21-Falahatgar,M., **Mosaddegh, H.** and Pavaneh N. Shirazi, M. (2012) Foraminiferal Biostratigraphy of the Mobarak Formation (Lower Carboniferous)from the Kiyasar area, SE Sari, Northern Iran, Acta Geologica Sinica, No.86,P.801-813.

- 22 -Falihatgar, M. and **Mosaddegh, H.** (2012) Microfacies analysis and paleoenvironments of the lower Carboniferous Mobarak Formation from the kiyasar section, Northern Iran, Boletín del Instituto de Fisiografía y Geología, Argentina, No.82, P.9-20.
- 23-Aharipour , R., Moussavi, M. R. , **Mosaddegh ,H.** and Mistiaen ,B. (2011) Evolution of the Khoshyeilagh formation platform during the middle to upper Devonian in Esatern Albroz Mountain, NE Iran: Facies Analysis, Paleoenvironment, and Sequence Stratigraphy ,Journal of Stratigraphy and Sedimentology researches, University of Isfahan, Vol.40, No.3, P.53-84.
- 24- Fallah. A., Hamdi, B. and **Mosaddegh, H.** (2011) Biostratigraphy of Mobarak Formation in Kiasar Section, based on Conodonts , Journal of Geosciences, Geological Survey of Iran, Vol.20, No. 78 , P.117-122.
- 25- **Mosaddegh, H.** and Lankarani, M. (2010) Calcareous Algae of the Permian Deposits in Central Alborz: An Environmental and Sequence Stratigraphic Approach, Journal of Geosciences, Geological Survey of Iran, Vol.19, No. 76 , P.79-84.
- 26-Lankarani, M., Amini, A. and **Mosaddegh, H.** (2009) Facies Analysis and Depositional Environment of the Permian Siliciclastic-Carbonate Transition, Central Alborz, Iran, JDUBS, P.25-36.
- 27-Aharipour , R., Moussavi, M. R. , **Mosaddegh ,H.** and Mistiaen ,B. (2009) Facies features and paleoenvironmental reconstruction of the Early to Middle Devonian syn -rift volcano-sedimentary succession (Padeha Formation) in the Eastern-Alborz Mountains ,NE Iran, Facies, No.56, P.279-294.
- 28-Daneshian, J., **Mosaddegh, H.**, Khalaj, H. and Ghasemi. A. (2008) Sequence Stratigraphy of Qum Formation Deposits (Kuh-e-Bichareh), Journal of Science, University of Isfahan, Vol.34, No.5, P.19-54.
- 29-Lasemi, Y. and **Mosaddegh, H.** (2005) Depositional Environment and Sequence Stratigraphy of the Mud mound in the Lower Mobarak Formation (Northeast of Shahmirzad), Journal of Science, University of Tehran, Vol.31, No.1, P.303-314.

SELECTED CONFERENCE PAPER

In English

- 1- **Mosaddegh, H.**, Hassannezhad, A. K., Memariani, M., Dabestani, N., and Dabestani, H. (2011) Organic Geochemical Investigation on Lower Carboniferous Organic Rich Sediments (Mobarak Formation) in Eastern Alborz, Iran, TSOP, Halifax, Canada, Vol. 28, No. 2.
- 2-Ogar,V., Falahatgar, M. and **Mosaddegh, H.** (2011)Visean corals of the Kiyasar area (North of Iran), 11th Symposium on Fossil Cnidaria and Sponges, Abstract book, Liège, Kölner Forum Geol. Paläont., P.123-124.
- 3- Sardarabadi, M., da Silva, A.C., Boulvain, F. and **Mosaddegh, H.** (2011) Sedimentology and magnetic susceptibility of Mobarak Formation (Lower Carboniferous in central and eastern Alborz Mountains, North of Iran), Miroslav Krs Conference: Time, Magnetism, records, systems and solutions, Abstract book, Prague, 48 pp.
- 4-Falahatgar, M., **Mosaddegh, H.** and Parvaneh N. Shirazi, M. (2011) Dating Calcareous Algae of the Mobarak Formation (Mississippian), Sari, North of Iran , 10th International Symposium on Fossil Algae, Sueur, I. I., Sasaran, E. (eds) Cluj-Napoca, Romania, Abstracts, 22 PP.
- 5- **Mosaddegh, H.**, Sardarabadi, M. and Kashfi, A. (2010) Review and modifying of previous microfossils studies in Mobarak Formation, Alborz Basin, North of Iran, Strata 2010, 4th French Congress on Stratigraphy,176 pp.
- 6- **Mosaddegh, H.** and Lankarani, M. (2009) Bioconstructors of the Lower Carboniferous Carbonate Mounds of Mobarak Formation, Central and Eastern Alborz , Iran, IAS, Italy.
- 7-**Mosaddegh, H.** (2008)Visean Calcareous Algae from Zanuz and Abnak Sections of Mobarak Formation , Central Alborz, Iran, 33th IGC, Oslo, Norway.
- 8-Lankarani,M., Amini, A.,and **Mosaddegh, H.**(2007) Application of Calcareous Algae to Depositional Environment and Sequence Stratigraphy: An Example from Permian Deposits In Central Alborz, Iran, 13th Bathurst Meeting of Carbonate Sedimentologists , England, 86 PP.
- 9-**Mosaddegh, H.** (2007) Distribution of Calcareous Algae in Carbonate Platform Facies (Mobarak Formation, Early to Middle Carboniferous), Alborz, Iran, 13th Bathurst Meeting of Carbonate Sedimentologists , England, 85 PP.
- 10-**Mosaddegh, H.** , Rahimi, B., and Aharipour, R. (2006) Sequence Stratigraphy and Depositional Environments of the Lower to Middle Carboniferous Strata (Mobarak and Ghesel-Ghal'eh Formations) in Central and Eastern Alborz, North of Iran, CCC2006 Absrtact Book, Cologne, Germany,P.89-90.
- 11-**Mosaddegh, H.** (2003) Microbiostratigraphy of Mississippian Strata (Mobarak Formation) in Central Alborz , North of Iran, XVth ICCP Absrtact Book, Netherlands, P.360-361.

In Persian

- 1- Daneshian, J., **Mosaddegh, H.** and Abdolahipoor, H.(2016) Biostratigraphy of the Qom Formation according to Foraminifera in the north of the Qom, Mohamadabad, The 34th International Geosciences Congress, Geological Survey of Iran, Tehran, Iran.
- 2- Daneshian, J., **Mosaddegh, H.** Moallemi, S.A . and Shivaie Karkaj, A.(2016) Depositional environment of the Guri Member in South Gashu Anticline, Northwest of Bandar Abbas, The 34th International Geosciences Congress, Geological Survey of Iran, Tehran, Iran.
- 3-Hadi, M. and **Mosaddegh, H.** (2013) Paleobathymetry and Paleogeography of Eocene Sea ,Based on Large Benthic Foraminifera , 17th Symposium of Geological Society of Iran, Shahid Beheshti University, Tehran, Iran.
- 4- Flihatgar, M. and **Mosaddegh, H.**(2009)Introducing of Mobarak Formation Calcareous Algae(Lower Carboniferous) in Kiasar Region, Southeast of Sari, Proceedings of the 3th Symposium of Paleontological Society of Iran, Ferdowsi University of Mashad.
- 5–**Mosaddegh, H.** and Kashfi, A.(2009) The Study of Late Carboniferous Foraminifera in Eastern Alborz: New insight to Doroud Formation Age, Proceedings of the 3th Symposium of Paleontological Society of Iran, Ferdowsi University of Mashad.
- 6-Barari, A., **Mosaddegh, H.** and Lankarani,M.(2009) Facies and Paleontological Variations within Devonian- Carboniferous Transition in Eastern Alborz, Proceeding of 26th Symposium of Geological Survey of Iran and 13th Symposium of Geological Society of Iran, Geological Survey of Iran.
- 7-Kashfi, A. and **Mosaddegh, H.** (2009) The study of Lower Carboniferous Rocks in the Base of Foraminifera in Gaduk Section(Central Alborz) , Proceeding of 27th Symposium of Geological Survey of Iran and 13th Symposium of Geological Society of Iran, Tehran, Iran.
- 8-Sabbaghiyan,H., Ghasemi nejad, E. and **Mosaddegh, H.** (2009) Lithostratigraphy and Biostratigraphy of Dallichai Formation based on Ammonites, South of Mahdishahr (Central Alborz), Proceeding of 27th Symposium of Geological Survey of Iran and 13th Symposium of Geological Society of Iran,Tehran, Tehran, Iran.
- 9-Yazdan tabar, A., Rahimi,B. and **Mosaddegh, H.** (2009) Structural Analysis of Siahkhani Thrust Sheet(Northern Damghan), Proceeding of 27th Symposium of Geological Survey of Iran and 13th Symposium of Geological Society of Iran, Tehran, Iran.
- 10-Lankarani, M. and **Mosaddegh, H.** (2008) The Calcareous Algae of Permian Deposits of Central Alborz: Biozonation and Facies Index, Proceedings of the 2th Symposium of Paleontological of Iran, Azad University, Isfahan.

- 11-Falahatgar,M., **Mosaddegh, H.** and Parvaneh N. Shirazi, M.(2008)The Introducing of giant Solitary corals in Kiasar Region, Southeast of Sari, Proceedings of the 2th Symposium of Paleontological Society of Iran Azad University, Isfahan.
- 12-Lankarani,M., Amini, A. and **Mosaddegh, H.** (2007) Permian Rocks in Gaduk Region (Central Alborz) : The North Margin of Gondwana, Proceeding of 25th Symposium of Geological Survey of Iran, 308 PP.
- 13-Talebloo, M.,Moameni,A.,**Mosaddegh, H.** and Shabaniyan, R. (2007) Stratigraphy of Permian Formations in South of Damghan, Labnessar Section(Eastern Alborz), Proceedings of the 11th Symposium of Geological Society of Iran, Ferdowsi University of Mashad,P.1890-1898.
- 14-**Mosaddegh, H.**, Talebloo,M. and Aharipour,R. (2007) Microfacies and Sedimentary of Permian Formation in Northeast of Damghan(Eastern Alborz), Proceedings of the 11th Symposium of Geological Society of Iran, Ferdowsi University of Mashad, P.2270-2283.
- 15- **Mosaddegh, H.** (2007) The Calcareous Algae of Mobarak Formation: Biozonation and Facies Index, Proceedings of the 1th Symposium of Paleontological Society of Iran, p. 49-54.
- 16-Lankarani, M., Amini, A. and **Mosaddegh, H.** (2007) Sequence Stratigraphy of Permian Deposits in Labnesar Area (Eastern Alborz), Proceeding of 26th Symposium of Geological Survey of Iran.
- 17- Lankarani,M., Amini,A. and **Mosaddegh,H.** (2007)Role of Fossil Content in Reconstruction of Environmental Characteristic of the Permian Deposits,Gaduk Area(Central Alborz) ,Proceeding of 26th Symposium of Geological Survey of Iran.
- 18-Lankarani,M., Amini, A. and **Mosaddegh, H.** (2006) Sequence Stratigraphy of Permian Deposits (Middle Abzaroka Supersequence) in Central Alborz, Proceedings of the 11th Symposium of Geological Society of Iran, Ferdowsi University of Mashad,P.2094-2102.
- 19-**Mosaddegh,H.**,Aharipour,R, and Lankarani,M.(2006) Facies Analysis and Sedimentary Environment of Permian Rocks in North of Damghan, Eastern Alborz, Proceedings of the 10th Symposium of Geological Society of Iran, Tarbiat Modarres University, p.1907-1915.
- 19-**Mosaddegh,H.** and Kalantari, M.(2006) Biostartigraphy of Early Carboniferous deposit (Mobarak Formation in Labnessar Section(North of Damghan, Eastern Alborz), Proceedings of the 10th Symposium of Geological Society of Iran, Tarbiat Modarres University, p. 1426-1434.
- 20-Kalantari,M. ,Moameni, A, **Mosaddegh, H.** and Aharipour, R. (2005) Microbiostratigraphy of Mobarak Formation in Northwest of Damghan(Balast Quarry Section-Eastern Alborz), Proceeding of 9th Symposium of Geological Society of Iran,Tarbiat Moallem University,P.705.
- 21-**Mosaddegh, H.**, Kebriaee Zadeh, M. R. and Hosseini-Nezhad, S. M. (2005) Biostratigraphy and Sedimentology Characteristics of Devonian-Carboniferous Cross (Geirud and Mobarak

Formations) in the Eastern Alborz: Hangenberg Bioevent Identification, Proceedings of the 9th Symposium of Geological Society of Iran, Tehran Teacher Training University, p. 294-294.

22-Lasemi, Y. and **Mosaddegh, H.** (2000) Depositional Environment and Sequence Stratigraphy of Mobarak Formation (Lower Carboniferous) in Central Alborz (Paleotethys Sedimentary Basin), Proceeding of 4th Symposium of Geological Society of Iran, Tabriz University, P. 206-209.

23-**Mosaddegh, H.** and Meisami, A. (2000) The Mobarak Formation Foraminifera: Biozonation and Facies Relation, Proceeding of 4th Symposium of Geological Society of Iran, Tabriz University, P. 134-136

24-Lasemi, Y. and **Mosaddegh, H.** (1999) Microfacies and Depositional Environment of Mobarak Formation in central Alborz: Introducing of Waulsortian Mound in deep ramp sedimentary Basin, Proceeding of 3th Symposium of Geological Society of Iran, Shiraz University, P. 546-548.