

Maryam Mortazavi Mehrizi

Assistant Professor, Department of Geology, Faculty of Sciences,
University of Birjand

Address: Southern Khorasan, Birjand, End of Shahid Avini Avenue, University
of Birjand, Faculty of Sciences, Department of Geology.

Telephone: 00985632202301-2, Internal: 648

Postbox: 97175/615

Email Addresses: mmortazavi@birjand.ac.ir, mrym_mortazavi@yahoo.com



Academic Position

| Certificate / Qualification obtained | Name of School / Institution | Year obtained | Area of Specialization |
|--|--------------------------------------|------------------|--|
| PhD | Ferdowsi University of Mashhad | 2013 | Sedimentology and Sedimentary Petrology |
| MSc | Ferdowsi University of Mashhad | 2007 | Sedimentology and Sedimentary Petrology |
| BSc | Dmghan University | 2003 | Geology |

Research Interests

Siliciclastic Lithofacies, Paleosols, Sedimentary Geochemistry, Sequence Stratigraphy

Published Papers (National & International)

1. Moussavi- Harami, R., Mahboubi, A., Nadjafi, M., Brenner, R.L. and Mortazavi, M., 2009, Mechanism of calcrete formation in the Lower Cretaceous (Neocomian) fluvial deposits, northeastern Iran based on petrographic, geochemical data, *Cretaceous Research* 30, 1146- 1156.
2. Mortazavi, M., Moussavi- Harami, R. and Mahboubi, A., 2013, Detrital mode and geochemistry of the Shurijeh Formation (Late Jurassic- Early Cretaceous) in the central and western parts of the intracontinental Kopet- Dagh basin, NE Iran: implications for provenance, tectonic setting and weathering processes, *Acta Geologica Sinica (English Edition)* 87, 1058- 1080.
3. Mortazavi, M., Moussavi- Harami, R., Brenner, R.L., Mahboubi, A. and Nadjafi, M., 2013, Stable isotope record in pedogenic carbonates in northeast Iran: Implications for Early Cretaceous (Berriasian–Barremian) paleovegetation and paleoatmospheric P(CO₂) levels, *Geoderma* 211- 212, 85- 97.
4. Mortazavi, M., Moussavi- Harami, R., Mahboubi, A. and Nadjafi, M., 2014, Geochemistry of the Late Jurassic–Early Cretaceous shales (Shurijeh Formation) in the intracontinental Kopet-Dagh Basin, northeastern Iran: implication for provenance, source weathering, and paleoenvironments, *Arabian Journal of Geoscience* 7, 5353- 5366.
5. Motamedalshariati, M., Raisossadat, S.N., Moluodi, D. and Mortazavi Mehrizi, M., 2016, Foraminifera biozonation and morphogroups from Nimbolook Section, east margin of Lut block, Iran, *Arabian Journal of Geoscience* 9, 1-11.
6. Sharifi, J., Raisossadat, S.N., Mortazavi Mehrizi, M. and Motamedalshariati, M., 2016, Albian and Cenomanian ammonites of the eastern margin of the Lut block (East Iran), *Carnets de Geologie* 16 (25), 591-613.
7. Mortazavi, M., Moussavi- Harami, R., Mahboubi, A. and Nadjafi, M., 2012, Paleosols, types and characters of Shurijeh Formation (Late Jurassic- Early Cretaceous), Kopet Dagh Basin, NE Iran, *Journal of Stratigraphy and Sedimentology Research* 46, 1-32.
8. Fayazi Broujeni, M., Mortazavi Mehrizi, M. and Khaneh Bad, M., 2017, Sedimentary facies analysis and stacking pattern of sediments in the Molid River (southeast of Qayen), *Journal of Stratigraphy and Sedimentology Research* 66, 101-128.

9. Hasani, Z., Mortazavi Mehrizi, M. and Raisossadat, S.N., 2018, Petrography and geochemistry of Paleocene sandstones North of Birjand, Southern Khorasan: Implication in provenance determination, tectonic setting and paleoweathering conditions, *Journal of Stratigraphy and Sedimentology Research* 71, 69-94.
10. Zareei, H., Raisossadat, S.N., Mortazavi Mehrizi, M. and Yazdi Moghadam, M., 1398, Lower Cretaceous deposits in the Ghoumenjan Section southwest of Qayen, *Iranian Journal of Geology* 13, No. 50, 99-120.

Conference Papers (National & International)

1. Mortazavi, M., Moussavi- Harami, R., Mahboubi, A., Nadjafi, M. and Majidi, M., 2006, Depositional history and tectonic setting of Neocomian (Lower Cretaceous) deposits provenance in the Northeast of Fariman, 25th National Geosciences Congress, Geological Survey of Iran, Tehran.
2. Mortazavi, M., Mahboubi, A., Moussavi- Harami, R. and Nadjafi, M., 2007, Microfacies, depositional environment and sequence stratigraphy of Tirgan Formation in the Sefid Sang area, Northeast of Fariman, 11th Symposium of Geological Society of Iran, Ferdowsi University of Mashhad, 267-274.
3. Moussavi- Harami, R., Mahboubi, A., Nadjafi, M. and Mortazavi, M., 2007, Recognition of calcrete horizons and nodules in the Shurijeh Formation, in Northeast of Fariman, 1st International Applied Geological Congress, Islamic Azad University, Mashhad Branch, 602-605.
4. Mortazavi, M., Moussavi- Harami, R. and Mahboubi, A., 2011, Paleoprecipitation rate record by calcic paleosols of Shurijeh Formation, Kopet Dagb basin, Northeast of Iran, The First Specialized Congress of Sedimentology and Stratigraphy of Iran, Islamic Azad University, Mashhad Branch, p. 81.
5. Mortazavi, M., Moussavi- Harami, R. and Mahboubi, A., 2011, Stable isotope composition of The Shurijeh Formation calcretes (Late Jurassic- Early Cretaceous) northeast of Iran: its implication in prediction of vegetation and mean annual paleotemperature, The First Specialized Congress of Sedimentology and Stratigraphy of Iran, Islamic Azad University, Mashhad Branch, p. 82.
6. Mortazavi, M., Moussavi- Harami, R. and Mahboubi, A., 2013, Stable isotope records in the pedogenic carbonates of Shurijeh Formation, northeast of Iran: implication in paleoatmospheric PCO₂ level reconstruction, The 1st National Conference on Application of Stable Isotopes, Ferdowsi University of Mashhad, 24-31.
7. Sharifi, F., Raisossadat, S.N. and Mortazavi, M., 2013, Paleoecology of The Aitamir Formation Ammonites in the Padeha Section, in East of Kopet Dagb Basin, 7th Symposium of Paleontology Society of Iran, Esfahan University.
8. Zalaghi Zadeh, Z., Raisossadat, S.N., Shokri, M.H. and Mortazavi, M., 2013, Paleoecology of Early

Tertiary Foraminifera in the Fariznuk Section, North of Birjand, 7th Symposium of Paleontology Society of Iran, Esfahan University.

9. Moloudi, D., Motamedalshariati, M., Raisossadat, S.N. and Mortazavi, M., 2014, Paleocology of Cretaceous sedimentary deposits (Albian- Cenomanian?) in the northwest of Qayen based on foraminifera, 8th Symposium of Paleontology Society of Iran, Zanjan University.
10. Zareei, H., Raisossadat, S.N., Yazdi Moghadam, M. and Mortazavi, M., 2014, Paleocology of Lower Cretaceous deposits in the Ghoumenjan Section, Southwest of Qayen, based on benthic foraminifera study, 8th Symposium of Paleontology Society of Iran, Zanjan University.
11. Raisossadat, S.N., Asadi, Sh., Zareei, H., Khazaei, A., Mortazavi, M., Motamedalshariati, M., Moussavi Nia, U., Moloudi, D. and Yazdi Moghadam., 2014, Stratigraphy, Paleocology and Paleobiogeography of the Cretaceous deposits in the East of Lut Block (Qayen Area), 18th Symposium of Geological Society of Iran, Tarbiat Modaress University of Tehran, 600-609.
12. Sharifi, J., Raisossadat, S.N., Mortazavi Mehrizi, M. and Motamedalshariati, M., 2014, Introduction of Albian- Cenomanian Sediments Ammonites in the Kerch Section, Southwest of Qayen, 18th Symposium of Geological Society of Iran, Tarbiat Modaress University of Tehran, 785- 792.
13. Karimi, N., Mortazavi Mehrizi, M. and Khaneh Bad, M., 2014, Lithofacies and depositional model of Afin River in the southeast of Qayen, 18th Symposium of Geological Society of Iran, Tarbiat Modaress University of Tehran, 801-808.
14. Fayazi, M., Mortazavi Mehrizi, M. and Khaneh Bad, M., 2014, facies, architectural elements and depositional model of Molid river Haji Abad Dam drainage basin, 18th Symposium of Geological Society of Iran, Tarbiat Modaress University of Tehran.
15. Sharifi, J., Mortazavi Mehrizi, M., Raisossadat, S.N. and Motamedalshariati, M., 2014, Lithofacies and depositional environment of Early Cretaceous siliciclastic deposits in the Kerch Section, Southwest of Qayen, 33th National Geosciences Congress, Geological Survey of Iran, Tehran.
16. Ahmad Pour, A., Mirab Shabestary, Gh., Mortazavi Mehrizi, M. and Khazaei, A., 2015, Petrography and diagenetic history of Paleogene dolomite in the West of Birjand, Workshops and the 34th National and 2nd International Geosciences Congress, Tehran.
17. Karimi, N., Mortazavi Mehrizi, M. and Khaneh Bad, M., 2015, Estimated annual erosion In the Afin River catchment by using the EPM model (Southeastern Qayen), Workshops and the 34th National and 2nd International Geosciences Congress, Tehran.
18. Raisossadat, S.N., Wang, P.L., Mortazavi, M., Motamedalshariati, M. and Sharifi, J., 2015, Biostratigraphy and chemostratigraphy of Upper Albian- Lower Cenomanian deposits in southwest Qayen area of eastern Iran, 2nd International Congress on Stratigraphy, Austria.
19. Raisossadat, S.N., Zareie, H., Mortazavi Mehrizi, M. and Yazdi Moghadam, M., 2016, Oregonian Facies in the southwest of Qayen, 10th Symposium of Paleontology Society of Iran, Mashhad.
20. Fayazi Broujeni, M., Mortazavi Mehrizi, M. and Khaneh Bad, M., 2016, Estimated erosion and sediment yield in the Molid River drainage basin, southeast of Qayen, Southern Khorasan by using the EPM model, 2th Symposium of Sedimentology Society of Iran, Mashhad.

21. Mortazavi Mehrizi, M. and Moussavi- Harami, R., 2016, Overlap of pedogenic processes and meteoric diagenesis in the pedogenic and non pedogenic calcretes of the Shurijeh Formation, Kopt Dagb basin, Northeast of Iran, 2th Symposium of Sedimentology Society of Iran, Mashhad.
22. Mortazavi Mehrizi, M. and Mahboubi, A., 2016, The sediments of floodplain closed systems (temporary salt lake) in the depositional sequence of the Shurijeh Formation, western and central parts of Kopet Dagb basin, Northeast of Iran, 2th Symposium of Sedimentology Society of Iran, Mashhad.
23. Fouladi Talari, H., Mortazavi Mehrizi, M. and Raisossadat, S.N., 2017, The provenance tectonic setting of Eocene siliciclastic deposits of north of Birjand based on petrographic data, 3th Symposium of Sedimentology Society of Iran, Tehran.
24. Hasani, Z., Mortazavi Mehrizi, M. and Raisossadat, S.N., 2017, Facies and Depositional environment of Paleocene deposits of Birjand, 3th Symposium of Sedimentology Society of Iran, Tehran.
25. Alborz, A., Mortazavi Mehrizi, M. and Shaban Mesk, H., 2018, Sedimentary facies, structural elements and sedimentary model of the Quaternary deposits in Birjand, First International & 3rd National Congress of Iranian Quaternary Association, Tehran.
26. Molaei Cha Hoz, F., Mortazavi Mehrizi, M. and Moetamedalshariati, M., 2018, Lithofacies and depositional environment of Lower Cretaceous siliciclastic deposits northwest of Qayen, 4th Symposium of Sedimentology Society of Iran, Zanjan.
27. Alborz, A., Mortazavi Mehrizi, M. and Raisossadat, S.N., 2018, Petrography and diagenesis of Middle Eocene siliciclastic rocks, Kalat-e-No Section, North of Birjand, 4th Symposium of Sedimentology Society of Iran, Zanjan.
28. Alborz, A., Mortazavi Mehrizi, M. and Raisossadat, S.N., 2018, Lithofacies and depositional environment of Middle Eocene siliciclastic deposits, north of Birjand, 4th Symposium of Sedimentology Society of Iran, Zanjan.
29. Moradi, F., Barani, H., Ghorbani, H.R., Sharifi, M. And Mortazavi Mehrizi, M., 1398. Analysis of Barveh Sardasht hill pottery using laboratory, microscopic and spectroscopic methods. 4th National Conference on Iranian Archeology, November 2009, Birjand University.
30. Yousefi, M., Ghorbani, H.R., Barani, H., Sharifi, M. And Mortazavi Mehrizi, M., 1398. Texture Structuralism and determination of pigment type of Qeshlaq Hill potteries of copper and rock age by using petrographic and spectroscopic methods. 4th National Conference on Iranian Archeology, November 2009, Birjand University.

Supervisor of Student Thesis

1. Fayazi Broujeni, M., 2015, The study of sedimentology, geomorphology and geochemistry of the Molid River sediments in the Haji Abad Dam drainage basin, Southeast of Qayen, MSc Thesis, University of Birjand, 187 p.
2. Sharifi, J., 2015, The Stratigraphy and paleoecology of the Cretaceous deposits in the Nimblook and Kerch Sections (West of Qayen) based on Ammonite fauna, MSc Thesis, University of Birjand, 135 p.
3. Karimi, N., 2015, Geomorphology, sedimentology and geochemistry of Afin River sediments, the Haji Abad Dam drainage basin, Southeast of Qayen, MSc Thesis, University of Birjand, 150 p.
4. Ahmad Pour, A., 2016, Petrography, depositional environment and geochemistry of depositional sequence (Paleocene- Eocene) Moli Section, West of Birjand, MSc Thesis, University of Birjand, 187 p.
5. Amini, H., 2017, Sedimentology, Geomorphology and geochemistry of Petergan Playa, East of Zirkouh, Southern Khorasan, MSc Thesis, University of Birjand, 116 p.
6. Fouladi Talari, 2017, Investigation of lithofacies, depositional and post depositional history Eocene siliciclastic deposits, Dareh Gazan Section, North of Birjand, MSc Thesis, University of Birjand, 155 p.
7. Hasani, Z., 2017, Investigation of lithofacies, petrography and geochemistry of Paleocene siliciclastic deposits, Fariznok Section, North of Birjand, MSc Thesis, University of Birjand, 126 p.
8. Alborz, A., 2018, Investigation of depositional environment, geochemistry and sequence stratigraphy of Eocene siliciclastic deposits, Kalat-e-No Sectio, North of Birjand, MSc Thesis, University of Birjand, 192 p.
9. Molaei Cha Hoz, F., 2018, Investigation of depositional environment, geochemistry and sequence stratigraphy of Early Cretaceous siliciclastic deposits, Malek Abad Section, southwest of Khezri, northwest of Qayen, MSc Thesis, University of Birjand, 135 p.
10. Malek Mohammadi Faradenbeh, F., 1398. Lithofacies analysis and sedimentation conditions of Eocene siliciclastic sequence in Ark section, northwest of Birjand.

Advisor of Students Thesis

1. Zalaghi Zadeh, Z., 2013, Biostratigraphy and lithostratigraphy of Early Tertiary deposits based on foraminifera in North of Birjand, East of Iran, MSc Thesis, University of Birjand.
2. Sharifi, F., 2013, Ammonites of Aitamir Formation in the Padeha Section, East of Kopet Dagb basin, Northeast of Iran, MSc Thesis, University of Birjand.
3. Agha Pour, M., 2014, Facies analysis, depositional environment and diagenetic history of Ilam Formation in the well number 2 of Jofeir Oil Field, southwest of Iran, MSc Thesis, University of Birjand.
4. Zareei, H., 2014, Sequence stratigraphy and microfacies of Cretaceous deposits in southwest of Qayen, Ghoumenjan Section, MSc Thesis, University of Birjand.
5. Moloudi, D., 2014, Stratigraphy of Cretaceous deposits based on foraminifera in the Nimblook (northwest of Qayen) and Ghoumenjan (southwest of Qayen) Sections, MSc Thesis, University of Birjand.