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Dr. Amr Abdelnasser Ali Khalil

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Education:

2012 - 2016: *PhD degree (Ore deposits & Geochemistry): Geological Engineering department, Faculty of Mines, Istanbul Technical University, İstanbul, Turkey, entitled "Genesis of the gold mineralization at Atud area, Central Eastern Desert of Egypt: Geological, ore mineralogical and geochemical approaches".*

2006-2009: *Master degree of geology (M.Sc.): Faculty of Science, Benha University, Benha, Egypt, entitled "Geology, petrography, geochemistry and petrogenesis of the Pan-African basement rocks in the area around Gabal Hamrat Salma - Wadi Shait terrain, South Eastern Desert, Egypt".*

1999-2003: *Bachelor degree of geology (B.Sc.): Faculty of science, Benha University, Benha, Egypt, with a cumulative grade of "Very good with honor degree"*

Employment Records:

Nov. 2016 – present: *Lecturer at geology department, Faculty of Science, Benha University, Egypt.*

Oct. 2009 – Nov. 2016: *Assistant lecturer at geology department, Faculty of Science, Benha University, Egypt.*

Feb. 2005 - Oct. 2009: *Demonstrator at geology department, Faculty of Science, Benha University, Egypt.*

Research Interests:

“Petrography, Ore microscopy and genesis, Ore deposits, Geochemistry, hydrothermal alteration geochemistry, Petrogenesis, Economic geology, Gold deposits, Massive sulfide deposits, Porphyry Cu-system”

Teaching:

“Teaching assistant of practical courses of Geology (Igneous and metamorphic rocks, Ore microscopy, geochemical analyses, geochemistry and economic geology) to the undergraduate students since 2005 till now”

Language:

Native Language: *Arabic*

Other languages: - *English (Very good (writing, reading and speaking), 6 IELTS)*

- *Turkish (Good (writing, reading and speaking), Score 86)*

Membership:

- 1- Geological Society of Egypt.*
- 2- Mineralogical Society of Egypt.*
- 3- American Association of Petroleum Geologists (AAPG).*
- 4- Arabian Geosciences Union (ArabGU)*

Awards & Grants

Visiting PhD student at Luleå University of Technology (Sweden) was during the period from August to November 2010, at Prof. Dr. Pär Weihed (Head of Department of Chemical Engineering and Geosciences, Luleå University of Technology, Sweden).

Full PhD scholarship at Istanbul Technical University, Turkey offered from the Egyptian Government (Cultural Affairs and Mission Sector) in cooperation with the Turkish Government (YTB, Turkey) during the period from October 2011 to July 2016.

Conferences:

- 1- *The 9th International conference on Geological Arab World (GAW 9), Cairo University, Cairo, Egypt. March, 2008.*
- 2- *The 4th International conference on the Geology of Tethys, Cairo University, Cairo, Egypt. November, 2008.*
- 3- *The 5th International conference on the Geology of Tethys, South Valley University, Qena, Egypt. January, 2010.*
- 4- *Goldschmidt 2014 (Gold2014), Sacramento, California, USA, 8-13 June 2014.*
- 5- *ICESCC 2014: International Conference on Earth Science and Climate Change, Cape Town, South Africa, 06-07 November, 2014.*
- 6- *Geophysical Research Abstracts, EGU2014-10438, 2014, EGU General Assembly 2014.*
- 7- *12th International Congress for Applied Mineralogy (ICAM 2015), Istanbul/Turkey, 10-12 August 2015.*
- 8- *2015 GSA Annual Meeting in Baltimore, Maryland, USA (1-4 November 2015).*
- 9- *EGU General Assembly 2016, Vienna, Austria; 17-22 April 2016.*
- 10- *7th Geochemistry Symposium with International Participation: 16-18 May 2016, Side/Antalya, Turkey.*

Projects

1- Genesis of intrusion-related gold mineralization at Atud area, Central Eastern Desert of Egypt: Geological, ore mineralogical and geochemical approaches (Finished)

Description: *This project that represents a part of my PhD thesis (at Istanbul Technical University, Turkey), is financially supported by the BAP Project (No. 39183) for the graduate students by Istanbul Technical University (ITU), Turkey. It reports on new data of the mineralogy and microchemical characteristics of the gold and associated ore minerals at the Atud gold deposit at the central block of the Eastern Desert of Egypt as well as stable isotope studies to create a clear understanding of the genesis of this gold deposit.*

2- Determination of the rare earth element (REE) potentiality in the residual generations along Southern Tauride-Anatolide Zone (Current).

Description: *This project reports the potentiality and the enrichment of Rare Earth Elements (REEs) in the southern part of the Tauride-Anatolide zone, South Turkey. It is financially supported by TUBITAK (1001 Project), Turkey.*

List of publication

Journal Publications

1. **Mustafa Kumral, Amr Abdelnasser, Murat Budakoglu:** Geochemistry of Hydrothermal Alteration Associated with Cenozoic Intrusion-Hosted Cu-Pb-Zn Mineralization at Tavşanlı Area, Kütahya, NW Turkey. 02/2016; 6(1: 13):1-23. DOI:10.3390/min6010013
2. **Amr Abdelnasser, Mustafa Kumral:** Mineral chemistry and geochemical behavior of hydrothermal alterations associated with mafic intrusive-related Au deposits at the Atud area, Central Eastern Desert, Egypt. Ore Geology Reviews 01/2016; 77:1-24. DOI:10.1016/j.oregeorev.2016.01.011
3. **Murat Budakoglu, Amr Abdelnasser, Muhittin Karaman, Mustafa Kumral:** The rare earth element geochemistry on surface sediments, shallow cores and lithological units of Lake Acıgöl basin, Denizli, Turkey. Journal of Asian Earth Sciences 06/2015; 111. DOI:10.1016/j.jseaes.2015.05.016
4. **Nedal Qaoud, Amr Abdelnasser:** Geochemistry and petrogenesis of El-Fringa metagabbro-diorite rocks, Wadi Sa'al area, south Sinai, Egypt. Journal of Al Azhar University-Gaza (Natural Sciences), 2012, 14: 111-138.

Conference Proceedings

1. **Amr Abdelnasser, Mustafa Kumral:** Rare earth elements geochemistry of the hydrothermal alterations associated with the intrusion related gold deposits at Atud area, Egypt. 7th Geochemistry Symposium with International Participation: 16-18 May 2016, Side/Antalya, Turkey.
2. **Amr Abdelnasser, Demet Kiran Yildirim, Zeynep Doner, Mustafa Kumral:** Geochemical element mobility during the hydrothermal alteration in the Tepeoba porphyry Cu-Mo-Au deposits at Balıkesir, NW Turkey. EGU General Assembly 2016, Vienna, Austria; 04/2016.

3. **Mustafa Kumral, Amr Abdelnasser, Muhittin Karaman, Murat Budakoglu:** Using the concentration–volume (C–V) fractal model in the delineation of gold mineralized zones within the Tepeoba porphyry Cu-Mo-Au, Balıkesir, NW Turkey. EGU General Assembly 2016, Vienna, Austria; 04/2016.
4. **Demet Kiran Yildirim, Amr Abdelnasser, Zeynep Doner, Mustafa Kumral:** Mass change calculations of hydrothermal alterations within the volcanogenic metasediments hosted Cu-Pb (-Zn) mineralization at Halılar area, NW Turkey. EGU General Assembly 2016, Vienna, Austria; 04/2016.
5. **Zeynep Doner, Amr Abdelnasser, Demet Kiran Yildirim, Mustafa Kumral:** Geochemical behavior of rare earth elements of the hydrothermal alterations within the Tepeoba porphyry Cu-Mo-Au deposits at Balıkesir, NW Turkey. EGU General Assembly 2016, Vienna, Austria; 04/2016.
6. **Cihan Yalçın, Nurullah Hanılçı, Mustafa Kumral, Amr Abdelnasser:** Geology of the Göçükdibi Cu-Pb-Zn Mineralization, Gökçedogan, Çorum (Turkey): Preliminary Findings on Its Formation. EGU General Assembly 2016, Vienna, Austria; 04/2016
7. **Sercan Ozturk, Lokman Gumus, Amr Abdelnasser, Cihan Yalçın, Mustafa Kumral, Nurullah Hanılçı:** Alteration geochemistry of the volcanic-hosted Dedeninyurdu, Yergen and Fındıklıyar Cu-Fe mineralization, Northern part of Gökçedogan Village, Çorum-Kargi Region, Turkey: Implications for the rare earth elements geochemical characteristics. EGU General Assembly 2016, Vienna, Austria; 04/2016
8. **Lokman Gumus, Sercan Öztürk, Cihan Yalçın, Amr Abdelnasser, Nurullah Hanılçı, Mustafa Kumral:** Alteration geochemistry of the volcanic-hosted Dedeninyurdu, Yergen and Fındıklıyar Fe-Cu mineralization at Gökçedogan, Çorum-Kargi region, Turkey. EGU General Assembly 2016, Vienna, Austria; 04/2016.
9. **Huseyin Kocaturk, M.Sezai Kırıkoglu, Ali Tugcan Unluer, Murat Budakoglu, Zeynep Doner, Amr Abdelnasser, Emin Ciftci:** The Mantle Derived Potassic and Ultrapotassic Rocks Related Enrichments of Rare Earth Elements (REE) on Peneplains of Golcuk District (Southern Turkey). 35th International Geological Congress, Cape Town (South Africa); 08/2016.

10. **M. Sezai Kirikioğlu, Ali Tuğcan Ünlüer, Hüseyin Kocatürk, Emin Çiftçi, Amr Abdelnasser, Zeynep Döner, Murat Budakoğlu:** Study of Rare Earth Elements (REE) Potentials in Residual Formations Occurring at Bucak Region, Isparta (Southwest Turkey). 7th Geochemistry Symposium with International Participation: 16-18 May 2016, Side/Antalya, Turkey.
11. **Demet Kiran Yildirim, Amr Abdelnasser, Zeynep Doner, Mustafa Kumral:** Mineralogy and geochemistry of base-metal deposits at Halilar area, NW Turkey. 2015 AGU Fall Meeting Program in San Francisco, USA (14-18 December 2015).
12. **Amr Abdelnasser, Mustafa Kumral:** Deformational quartz textures and mineralogy of hydrothermal alteration associated with intrusion-related gold deposits: a case study from the Atud area, Central Eastern Desert, Egypt. 2015 GSA Annual Meeting in Baltimore, Maryland, USA (1-4 November 2015)
13. **Amr Abdelnasser, Mustafa Kumral:** Oxygen, carbon and sulphur isotope studies in the intrusion-related Au deposits at Atud area, Egypt. 12th International Congress for Applied Mineralogy (ICAM 2015), Istanbul/Turkey, 10-12 August 2015.
14. **Amr Abdelnasser, Muhittin Karaman, Mustafa Kumral, Basem Zoheir, Pär Weihed:** Detection of hydrothermal alteration associated with intrusion related gold mineralization at Central Eastern Desert of Egypt by using ASTER-based image processing. 12th International Congress for Applied Mineralogy (ICAM 2015), Istanbul/Turkey, 10-12 August 2015.
15. **Mustafa Kumral, Amr Abdelnasser, Demet Kiran Yildirim, Muhittin Karaman, Zeynep Doner, Murat Budakoglu:** Quantitative mass transfer analysis during hydrothermal alteration of intrusion-related Cu-Pb-Zn mineralization in SW Kütahya, Turkey. 12th International Congress for Applied Mineralogy (ICAM 2015), Istanbul, Turkey; 08/2015
16. **Hamza Samast, Mustafa Kumral, Nurullah Hanilçi, Cihan Yalçın, Amr Abdelnasser, Murat Budakoğlu:** Investigation of the nature of volcanic-hosted massive sulfide deposits at the north of Gökçedogan, Corum-Kargiregion, Turkey. 12th International Congress for Applied Mineralogy (ICAM 2015), Istanbul, Turkey; 08/2015
17. **Mustafa Kaya, Mustafa Kumral, Nurullah Hanilçi, Mustafa Selman Aydoğan, Cihan Yalçın, Amr Abdelnasser:** Characteristics of ophiolite-hosted massive sulfide deposits: A case study from

Corum-Kargi region (North Gökçedoğan village), Turkey. 12th International Congress for Applied Mineralogy (ICAM), Istanbul/Turkey; 08/2015

18. **Budakoglu M., Karaman M., Abdelnasser A., Kiran D., Kumral M.:** Geochemical Approach of Rare Earth Element Distribution: A Case Study from Lake Acigol, Denizli, Turkey. ICESCC 2014: International Conference on Earth Science and Climate Change, Cape Town, South Africa; 11/2014
19. **Budakoglu M., Karaman M., Abdelnasser A., Kumral M.:** Spatial REE Geochemical Modeling at Lake Acıgöl, Denizli, Turkey: Analytical Approaches on Spatial Interpolation and Spatial Correlation. ICESCC 2014: International Conference on Earth Science and Climate Change, Cape Town, South Africa; 11/2014
20. **Kumral M., Abdelnasser A., Budakoglu M., Karaman M., Yildirim D. K., Doner Z., Bostanci A.:** Porphyry Cu-Mo-(Au) Mineralization at Parağa Area, Nakhchivan District, Azerbaijan: Evidence from Mineral Paragenesis, Hydrothermal Alteration and Geochemical Studies. ICESCC 2014: International Conference on Earth Science and Climate Change, Cape Town, South Africa; 11/2014
21. **Amr Abdelnasser, Kumral M., Zoheir B., Weihed P., Budakoglu M., Gumus L.:** Microchemical data of the Atud gold deposit, Eastern Desert, Egypt. ICESCC 2014: International Conference on Earth Science and Climate Change, Cape Town, South Africa; 11/2014
22. **M Kumral, A Abdelnasser, A K Bostanci, Z Doner, M Budakoglu, M Karaman:** Geochemical investigations of Eğrigöz granitoid-hosted Cu-Pb-Zn mineralization at the northern margin of Tauride-Anatolide platform: A case study from Tavşanlı zone, Kütahya, Turkey. Goldschmidt 2014 (Gold2014), 8-13 June 2014., Sacramento, California, USA; 06/2014
23. **D K Yildirim, A K Akay, T T Bonab, A Abdelnasser, M Kumral, And M Budakoğlu:** Investigation of geochemistry and subsurface modeling of porphyry Cu- Mo deposit in Tepeoba-Havran, NW Turkey. Goldschmidt 2014 (Gold2014), 8-13 June 2014., Sacramento, California, USA; 06/2014.
24. **A. Abdelnasser, M. Kumral, Basem Ahmed Zoheir, P. Weihed, D. Kiran Yildirim, M. Karaman:** Hydrothermal alteration geochemistry of Atud gold deposits at the central block of the Egyptian

Eastern Desert, Egypt: Insights provided by mass-balance calculations. Goldschmidt 2014 (Gold2014), 8-13 June 2014., Sacramento, California, USA; 06/2014

25. **Murat Budakoğlu, Muhittin Karaman, Serpil Geredeli, Amr Abdelnassar, Demet Kiran Yıldırım:** Clay Mineralogy of Shallow Core Sediments of Lake Acıgöl, Denizli, Turkey. EGU2014, Vienna; 04/2014
26. **A M Mehanna, A A Rashwan, M H Abu Farh, A. Abdelnasser:** Petrography, geochemistry and petrogenesis of the Pan-African basement rocks in the area around Gabal Hamrat Salma-Wadi Shait terrain, South Eastern Desert, Egypt. 9th International Conference on Geological Arab World (GAW 9), Cairo University, Cairo, Egypt; 01/2008

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