



Curriculum Vitae

PART 1

PERSONAL INFORMATION*

Name: Haghi, Ahmad

Nationality: Iranian

Sex: *Male*

Country of residence: Iran

Email: haghiahmad@gmail.com

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ahaghi@smail.uni-koeln.de

EDUCATION

- 2022-now **PhD student in Mineralogy and Crystallography**
Institute of geology and mineralogy at the university of Cologne, Germany
Thesis title (Germanium fate in Geochemical environment)
- 2018-2021 **Master in “Physical Chemistry”**
Faculty of Science/Chemistry Department, University of Birjand, Iran
GPA/Average grade; 18.04 out of 20.00
Thesis title (Investigation of doxorubicin's side-effect reduction through co-treatment and smart drug delivery system-MD and DFT approach)
- 2013-2016 **Master in “Economic Geology (Also known as Ore Geology)”**
Faculty of Science/Geology Department, University of Tehran, Iran
GPA/Average grade; 17.56 out of 20.00
Thesis title (Geological, Geochemical and Mineralogical investigation at Robat Zn-Pb deposit-Khomain, Central Iran)
- 2008-2011 **Master in “Petrology”**
Faculty of Science/Geology Department, University of Tehran, Iran
Does not continued to earn a degree
Thesis title; (Hydrothermal alteration of natural Perlite with Na-Ba bearing solution at 100-200°C)
- 2004 -2008 **Bachelor in “Geology”**
Faculty of Science/Geology Department, University of Tehran, Iran
GPA/Average grade; 15.66 out of 20.00

CAREER BREAKS

- 2016-2017 Exploration Geologist at labir-kuh Zn-prospective area (exploration project finished after 6 month)
- sum-2010 Part time job as Librarian in Central library of literature college, university of Tehran, Iran (project Finished)
- 2023-2024 Research assistance, University of Cologne

TEACHING ACTIVITIES

2015-2016 Volunteer Teacher at Farhang School-devoted to refugees' children in Tehran,
(9 month, As I finish my MSc, I left Tehran and the school)

Published in peer-reviewed journals

- Niroomand, Shojaeddin, **Ahmad Haghi**, Abdorrahman Rajabi, Amir Ali Tabbakh Shabani, and Yu-Cai Song. "Geology, isotope geochemistry, and fluid inclusion investigation of the Robat Zn-Pb-Ba deposit, Malayer-Esfahan metallogenic belt, southwestern Iran." *Ore Geology Reviews* 112 (2019): 103040.
- **Haghi, Ahmad**, Heidar Raissi, Hassan Hashemzadeh, and Farzaneh Farzad. "Designing a high-performance smart drug delivery system for the synergetic co-absorption of DOX and EGCG on ZIF-8." *RSC Advances* 10, no. 72 (2020): 44533-44544.
- Nazari, Safar Ali, Farzaneh Farzad, **Ahmad Haghi**, and Ali Bina. "Surface functionalization of boron nitride nanosheet with folic acid: Toward an enhancement in Doxorubicin anticancer drug loading performance." *Journal of Molecular Graphics and Modelling* 109 (2021): 108041.
- **Haghi, Ahmad**, Heidar Raissi, Hassan Hashemzadeh, and Farzaneh Farzad. "Development of the poly (l-histidine) grafted carbon nanotube as a possible smart drug delivery vehicle." *Computers in Biology and Medicine* 143 (2022): 105336.
- **Haghi, Ahmad**, Heidar Raissi, Hassan Hashemzadeh, and Farzaneh Farzad. "On the role of alkanethiol Au complex in the formation of gold deposits; an in-silico approach." *Chemical Geology* 610 (2022): 121101.

Conference presentations

- **Haghi A.**, Tutti, F., Badieli, A.R., Barghi M.A., "Hydrothermal alteration of Perlite via barium solutions"; **15th symposium of geology association of Iran**, Kharazmi university, Tehran, Iran (2011)
- **Haghi A.**, Tutti, F., "Hydrothermal alteration of Perlite with Barium and Sodium solution," **fifth international geological conference of HinduKosh**, polytechnic university of Kabul. (2015)
- **Haghi A.**, Niroomad S., "Geology, Geochemistry and mineralogical investigation of Robat Zn-Pb Deposit Khomain-Iran"; **fifth international geological conference of HinduKosh**, polytechnic university of Kabul.(2015)
- **Haghi A.**, Niroomad S., Youkai S., Beygi, M.R., "Lead isotope investigations in Robat lead-zinc deposit, Central province, Iran" **20th symposium of geology association of Iran**, university of Tehran, Tehran, Iran (2016).
- **Haghi, A.**, Raissi, H., Hashemzadeh, H., & Farzad, F. (2023, July). On the possible role of organic matter in the transport/concentration of gold in geochemical environments; an atomistic and molecular approach. In *Goldschmidt 2023 Conference*. GOLDSCHMIDT.
- **Haghi, A.**, Jahn, S (2024). Germanium in sphalerite, But how and why? European Mineralogical Conference, Dublin, Ireland
- **Haghi, A.**, & Jahn, S. (2025, July). Germanium/silicon differentiation at hydrothermal conditions: An ab initio molecular dynamics study. In *Goldschmidt 2025 Conference*. GOLDSCHMIDT.

PART 2
ACHIEVEMENTS TRACK RECORD

2.1 Prizes/awards and funding attracted:

- DAAD scholarship, 2022-2026, for pursuing a PhD at Germany.
- Student research grants from Iranian Mineral Processing Research Center (IMPRC) For MSc thesis-2013.
- Student research grant by the National Natural Science Foundation of China (91855214, 41773043), the IGCP/SIDA 600 project- 2014

Ahmad Haghi
19 Aug, 2024