

EDUCATION

- Shahid Beheshti University (SBU)** Tehran, Iran
• *Master of Science in Energy Economics; GPA: 4/4* September 2022-Present
Thesis: Quantitative analysis of Iran's energy security trend: A distance-based machine learning composite indicator approach
- Sharif University of Technology (SUT)** Tehran, Iran
• *Bachelor of Science in Mathematics and Applications; GPA: 3.3/4* September 2017 - January 2022
Courses: Operation Research, Mathematical Analysis, Regression Analysis, Advanced Programming, Advanced Numerical Analysis, Statistics and Applications, System Dynamics, Microeconomics, Financial Economics, Digital Economics, Energy Policy
- National Organization for Development of Exceptional Talents(SAMPAD)** Nahavand, Iran
• *Diploma of Mathematics and Physics; GPA: 4/4*

WORK EXPERIENCES

- Research Assistant** Tehran, Iran
• *Sharif Policy Research Institute (SPRI)* March 2023-Present
Description: 80 million residential gas bill records were analyzed using econometric tools, and the proper natural gas pricing model was researched with a focus on the household sector.

PUBLICATIONS

- Working Papers:**
Faryadras, A., Maleki, A., Moridi, F. (2024). "Iran's energy security trend: A distance-based machine learning approach"
Mirnezami, R., Faryadras, A. "An integrated scenario-based robust planning for Iran's energy sector towards 2035"
- Research Papers:**
Faryadras, A., Maleki, A. (2024). "Energy security, world system, and Jervis' spiral security dilemma; Case of Russo-Ukraine War". *Journal of Countries Studies*, 1(4), 515-556. doi: 10.22059/jcountst.2023.359034.1032
Faryadras, A., Maleki, A. (2024). "Window to the concept of peak oil and policy Implications: Case of Iran". *Iranian Journal of Public Policy*. doi: 10.22059/jppolicy.2023.95724
- Policy Papers:**
Faryadras, A. (2021). "Silent scream of energy transition over Iran's economics and energy strcture". *Specialized Journal of Exergy*.

MEDIA APPEARANCES

- News Agencies:**
Faryadras, A. (2024). "Man versus the state, the energy issue, and the veil of darkness". khabaronline.ir/xmwSM
- Newspapers:**
Faryadras, A. (2024). "Energy security, nocturnal, and Their Excellencies Reza Khosravi and Mohammad Mehdi Amiri". hammihanonline.ir/fa/tiny/news-18573

TEACHING EXPERIENCE

- Teaching Assistant**
• *Economics of Exhuastible Resources at the Energy Engineering Department (SUT)* February 2024 - July 2024
- Teaching Assistant**
• *Analysis and Design of Systems at the Management and Accounting Department (SBU)* February 2024 - July 2024
- Teaching Assistant**
• *Energy Economics at the Economics and Political Science Department (SBU)* October 2023 - January 2024
- Teaching Assistant**
• *Numerical Computation at the Computer Engineering Department (SUT)* January 2020 - July 2020

SKILLS SUMMARY

- Programming Languages:** R, Octave, (Familiar with: JAVA, Python)
- Soft Skills:** Peresentation, Report writing, Listening, Creative problem solving, Attention to details
- Softwares:** Vensim, MS Office, AutoCad, LaTeX, (Familiar with: Lingo)

PRESENTATIONS

- **Optimal Control Theory Methods in Exhaustible Resource Extraction:** (October-2022)
- **The Inexorable and Mysterious Tradeoff Between Inflation and Unemployment:** (October-2022)
- **Optimization Methods in Resource Allocation:** (October-2022)
- **The Mathematics of Hubbert Peak Theory:** A joint lecture with the cooperation of Dr. Abbas Maleki (June-2021)
- **Commutativity in Finite Rings:** (January-2021)
- **Numerical Double Integration Methods:** A joint lecture with the cooperation of A. Mohammad Gholiha (June-2019)

CONFERENCES AND WORKSHOPS

- **The 1st winter school in political economy:**
At Allameh Tabataba'i University in participation with universities from Iran and Russia (February-2021)

HONORS AND AWARDS

- **Awarded a scholarship for the student exchange program between Iran and Russia:** It was called off due to the unexpected COVID-19 pandemic. (January-2020)

LANGUAGES

- **Persian, English, Russian:** In order of proficiency