



CURRICULUM VITAE

1. Personal Information:

- Name: **Bahareh Farahmandpour**
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- Email: bh_farahmandpour@gmail.com , B.farahmandpour@iies.net
- Nationality: Iranian
- Marital status: Married

2. Position:

Researcher in **IIES** (Institute for International Energy Studies) affiliated to **NIOC** (National Iranian Oil Company)

3. Education:

2005: Master of Science (M.Sc.) in Energy Systems Engineering, *Sharif University of Technology*,
Tehran, Iran

4. Work Experience:

- **2005-2006:** Researcher in **MERC (Material and Energy Research Center)** affiliated to **MSRT (The Ministry of Science, Research and Technology)**
- **2006-2008:** Researcher in **IIES (Institute for International Energy Studies)**
- **2008-2021:** Senior Expert (Petrochemical industry and Power plants), in **IFCO (Iranian Fuel Conservation Organization)** affiliated to **NIOC** (National Iranian Oil Company)
- **2021 till now:** Researcher in **IIES (Institute for International Energy Studies)**

5. Experience:

- Responsible for energy saving projects in Petrochemical industries and Power Plants
- Feasibility studies of energy conservation measures in industry sector Energy modeling by COMFAR software.
- Petrochemical and other industries energy standard setting projects.
- Energy conservation technologies roadmap preparation. Sustainable energy

- Energy demand and energy supply modeling by LEAP software.
- Energy data analysis and energy balance.
- Energy and Environment Analyses.
- Energy Management and Energy Auditing in Industries.
- Process simulation and optimization

8. Selected Papers

- Sustainable development, increasing productivity and reducing energy intensity in the country's basic metal and steel production industries, Number 16 of Behso magazine, September 2021.
- The necessity of developing the value chain and improving the efficiency of energy consumption in Iran's chemical manufacturing industries, Number 15 of Behso magazine, October 2021
- Energy consumption and optimization solutions in the Iranian Petrochemical Industries, Iran's first petrochemical conference, National Petrochemical Industries Company, August, 2008.
- Energy subsidies and its effect on different economic sectors, energy economy issues, Feb 2008.
- Analysis of environmental emissions and greenhouse gases in Islamic Republic of Iran, TRANSACTIONS on ENVIRONMENT and DEVELOPMENT, Issue 4, Volume 4, April 2008
- Analysis of Ultimate Energy Consumption by Sector in Islamic Republic of Iran, 3rd IASME/WSEAS Int. Conf. on Energy & Environment, University of Cambridge, UK, February 23-25, 2008
- Environmental perspective in Iran's energy consumption Sectors, 3rd IASME/WSEAS Int. Conf. on Energy & Environment, University of Cambridge, UK, February 23-25, 2008
- Energy conservation opportunities: Sugar industry in Iran, 2nd IASME/WSEAS Int. Conf. on Energy Planning, Energy Saving, Environmental Education, France, October 14-16, 2007

9. Publication

- Participation in Hydrocarbon balance book in 2005,2006,2007,2008, 2022.
- Analysis of the challenges and capacity of the country's energy optimization market (in the mirror of statistics and data) booklet,2022.
- Solutions for managing and optimizing energy consumption in Iran, 2008.
- Key energy statistics of Iran and the world booklet, 2008.