

## Curriculum Vitae

### Dr. Naser Bagheri Moghaddam



Associate Professor, National Research Institute for Science Policy (NRISP)

Guest member of Academy of Science, Iran

Email1: [bagheri@nrisp.ac.ir](mailto:bagheri@nrisp.ac.ir)

Email2: [nbagheri1394@google.com](mailto:nbagheri1394@google.com)

Google Scholar: [ScjvgOYAAAAI&hl=en](https://scholar.google.com/citations?hl=en&user=ScjvgOYAAAAI)

[Orcid iD: 0000-0003-3457-8479](https://orcid.org/0000-0003-3457-8479)

[Scopus Author ID: 24922487500](https://scopus.com/authid/detail.uri?authorID=24922487500)

### Educational Background

Degree	Field of Study	Specialization	Institution	Year
Ph.D.	Technology Management	Science & Technology Policy	Allameh Tabataba'i University	2012
M.B.A.	Business Administration	General	Sharif University of Technology	2004

B.Sc.	Electrical Engineering	Power Systems	Amirkabir University of Technology	1995
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### Honors and Awards

- Applied Research Award at the 21st International Kharazmi Festival, 2007
- Scientific Award from the National Elites Foundation. 2007
- Research and Innovation Award from the National Elites Foundation, 2008
- Outstanding Book Award, Innovation Systems, 20th Student Book Festival, 2013
- Top Faculty Member in Community and Industry Relations, Ministry of Science, Research and Technology (MSTR), 2020
- Selected Collaborator for Industry-University Interaction, MSRT, 2022

### Books & Chapters

- Moallemi, E. A., Ahmadi, A., Afraze, A., Bagheri Moghaddam, N. (2024). Assessing the Performance of Transition Towards Renewable Energy: Case Study of Iran's Fuel Cell Technology. In: Large Systems Change: An Emerging Field of Transformation and Transitions. **Taylor & Francis**.
- Jafari, M., Esfahani, F., Bagheri Moghaddam, N. (2022). Beyond Awards: A Study on the Role of Prizes in the Science and Technology Ecosystem. **National Research Institute for Science Policy**.
- Hafezi, R., Alipour, M., Wood, D. A., Bagheri Moghaddam, N. (2021). Natural Gas Demand Prediction: Methods and Sustainability Scenarios. In: **Sustainable Natural Gas Reservoir and Production Engineering. Elsevier**.
- Ghadimi, A., Bagheri Moghaddam, N., Kosari, S., Zahedi, M. (2020). Innovation Policy at the Intersection: Global Debates and Local Experience. **HSRC**.
- Bagheri Moghaddam, N., Ghazi Noori, S., Moallemi, E., Mousavi Dorcheh, S. M. (2018). Methodology for the Development of National Strategic Technology Documents. **National Research Institute for Science Policy**.
- Bagheri Moghaddam, N., Emami Al-Agha, S., Jafari, M. M. (2018). Global Experiences of Start-ups in the Energy Sector. **Iran Vice-Presidency for Science and Technology**.
- Mohammadi, Y., Bagheri Moghaddam, N. (2017). Guide to Developing Regional Research and Innovation Strategies for Smart Specialization (Translating). **NRISP**. (Original authors: Dominique Foray et al.)
- Moghaddam, N. B., Jafari, M. M., Dorcheh, S. M. M., Miandashti, M. Z. (2017). Development of Fuel-Cell Technology in Iran. In: Soofi A., Goodarzi M. (eds) The Development of Science and Technology in Iran. **Palgrave Macmillan**.
- Nazemi Ardakani, M., Bagheri Moghaddam, N., Mohammadi, G. (2016). Institutional Mapping of Cultural Agencies: Domain of Religious Promotion. **Afkar Publishing**.
- Bagheri Moghaddam, N., Mousavi Dorcheh, S. M., Nasiri, M., Moallemi, E. (2013). Innovation Drivers: A Framework for Analyzing Technological Innovation Systems. **NRISP**.

- Arasti, M. R., Bagheri Moghaddam, N. (2008). Priorities and Strategies for the Development of Fuel Cell Technologies in Iran. Science & Adab Publishing.
- Bagheri Moghaddam, N., et al. (2008). Action Plan and Roadmap for Fuel Cell Technology Development in Iran. **Science & Adab Publishing**.

### Peer-reviewed International Journal Articles

- Hamidi, M., Ghazinoori, s., Naghizadeh, M., Bagheri-Moghaddam, N., (2025), Digital transformation as a technological innovation system: diversity of policy instruments in the lifecycle of upstream oil and gas technologies, **Technology Analysis & Strategic Management**, 1-16
- Heirani, H., Bagheri Moghaddam, N., Fazli, MH., (2024), Development of a novel framework for the analysis of Technological Innovation Systems by Causal Layered Analysis (CLA) in energy systems, **Technology Analysis & Strategic Management** 36 (11), 3537-3550
- Bagheri Moghaddam, N. Nozari, M. (2023). Dynamic evaluation of technological innovation system; the case of underground natural gas storage technology in Iran, **Energy Strategy Reviews**, Elsevier
- Heirani, H., BagheriMoghadam, N.,Labbafi, S., Seyedali.(2022). A Business Model for Developing Distributed Photovoltaic Systems in Iran, **Sustainability** 14 (18), 11194
- Nasr Esfahani, A. Bagheri Moghaddam, N. Maleki, A. Nazemi, A., (2021). The Knowledge map of energy security, **Energy Reports**, Elsevier
- Allahy S., Naghizadeh R., Shavvalpour S., Ferreira J., Bagheri Moghaddam, N., (2021). The Nature and Geography of Knowledge Sourcing in a Developing Region: The Case of Engineering Based Cluster, **Knowledge Economy**
- Bayat, A. Fathian, M. Bagheri Moghaddam, N. Saifoddin, (2021). The adoption of social messaging apps in Iran: Discourses and challenges Information Development, **Information Development** 39(1):72-85
- Moghadam, N. B., Samsami, M., Hosseini, S. H., & Sahafzadeh, M. (2015). Utilization of BSC to transform corporate-level goals into project portfolio strategies. **International Journal of Project Organisation and Management**, 7(2), 132-150.
- Nasiri, M., Khorshid-Doust, R. R., & Moghaddam, N. B. (2015). The status of the hydrogen and fuel cell innovation system in Iran. **Renewable and Sustainable Energy Reviews**, 43, 775-783.
- Moallemi, E. A., Ahmadi, A., Afrazeh, A., & Moghaddam, N. B. (2015). Assessing the performance of transition towards renewable energy: case study of Iran's fuel cell technology. **Journal of Corporate Citizenship**, (58), 137-157.
- Moallemi, E. A., Ahamdi, A., Afrazeh, A., & Moghaddam, N. B. (2014). Understanding systemic analysis in the governance of sustainability transition in renewable energies: the case of fuel cell technology in Iran. **Renewable and Sustainable Energy Reviews**, 33, 305-315.

- Moghaddam, N. B., Nedaei, H., Sahafzadeh, M., & Hosseini, S. H. (2013). A modified strategy formulation model for management technologies in holding companies: a case study of an Iranian conglomerate. **International Journal of Technology Intelligence and Planning**, 9(1), 57-73.
- Nasiri, M., Khorshid-Doust, R. R., & Moghaddam, N. B. (2013). Effects of under-development and oil-dependency of countries on the formation of renewable energy technologies: A comparative study of hydrogen and fuel cell technology development in Iran and the Netherlands. **Energy policy**, 63, 588-598.
- Mousavi, S. M., Ghanbarabadi, M. B., & Moghadam, N. B. (2012). The competitiveness of wind power compared to existing methods of electricity generation in Iran. **Energy policy** (ISSN 0301-4215), 42, 651-656.
- Moghaddam, N. B., Mousavi, S. M., Moallemi, E. A., & Nasiri, M. (2012). Formulating directional industry strategies for renewable energies in developing countries: The case study of Iran's wind turbine industry. **Renewable energy**, 39(1), 299-306.
- Sahafzadeh, M., Bagheri Moghaddam, N., & Zamanian, M. (2012). Fuel cell technological innovation system in Iran. **International Journal of Renewable Energy Technology**, 3(4), 386-399.
- BagheriMoghadam, N., Hosseini, S. H., & SahafZadeh, M. (2012). An analysis of the industry-government-university relationships in Iran's power sector: A benchmarking approach. **Technology in Society**, 34(4), 284-294.
- Moghaddam, N. B., Nasiri, M., & Mousavi, S. M. (2011). An appropriate multiple criteria decision-making method for solving electricity planning problems, addressing sustainability issue. **International Journal of Environmental Science & Technology**, 8(3), 605-620. (ISSN 1735-1472).
- Zamanian, M., Emamian, S. M., Moghadam, N. B., Sahafzadeh, M., & Hosseini, S. H. (2011). Providing A Conceptual Framework to Formulate Mission Statement in Nonprofit Voluntary Organizations-Case Of An Iranian Organization. **International Journal of Business and Social Science**, 2(15).
- Moghaddam, N. B., Nedaei, H., Sahafzadeh, M., & Hosseini, S. H. (2011). A comprehensive framework for Technologies of Management (TOM) in holding companies. **International Journal of Technology Intelligence and Planning**, 7(2), 168-179.
- Moghaddam, N. B., Mousavi, S. M., Nasiri, M., Moallemi, E. A., & Yousefdehi, H. (2011). Wind energy status of Iran: evaluating Iran's technological capability in manufacturing wind turbines. **Renewable and Sustainable Energy Reviews**, 15(8), 4200-4211.
- Arasti, M. R., & Moghaddam, N. B. (2010). Use of technology mapping in identification of fuel cell sub-technologies. **International journal of hydrogen energy**, 35(17), 9516-9525.
- Moghaddam, N. B., Sahafzadeh, M., Alavijeh, A. S., Yousefdehi, H., & Hosseini, S. H. (2010). Strategic environment analysis using DEMATEL method through systematic approach: Case study of an energy research institute in Iran. **Management Science and Engineering**, 4(4), 95 (ISSN 1913-0341), 1-12.

- Moghaddam, N. B., & Sahafzadeh, M. (2010). Technology Research Road mapping: The Case Study of Membrane Technology in Iranian Petrochemical Industry, **Management Science and Engineering** (ISSN 1913-0341) Vol. 4, No. 3, pp. 132-143.

### Research Papers in Persian Peer-Reviewed Journals

- Zamani Miandashti , M., Seyyed Habibollah, T., Nejad Mohammad, AM., Bagheri Moghaddam, N., (2024), Mapping and Analysis of Quantum Communication Technologies from the Perspective of Technology Management, *Quarterly Journal of Governance Knowledge* 2 (4), 140-170
- Bagheri Moghaddam, N., Ahmady, MA., AbbasPour, M., Nazemi, A., (2024), The role of Technology and Innovation Policy in Simultaneously Addressing the Energy Intensity and Carbon Intensity Imbalance, *Strategic Studies of public policy* 14 (52), 104-126
- Safdari Ranjbar, M., Bagheri Moghadam, N., (2024), A Critical Review of Science and Technology Priority Setting Experiences in Iran; Pathology and Requirements for Improvement, *Rahyaft* 34 (3), 5-22
- Mosayebi, A., Bagheri Moghaddam, N., (2024), Investigating and analyzing the factors affecting the technological performance of the institution that develops the use of radiation and providing policy recommendations, *Journal of Improvement Management* 18 (1), 84-106
- Ahmadi, H., Moghaddam, NB., (2024), Understanding the Pilgrims' Lived Experience of the Effective Health Factors in the Arbaeen Walk: An Anthropological Narrative of the Great Phenomenon of the Arbaeen Walk, *Journal of Pizhūhish dar dīn va salāmat* 10 (2), 10-21
- Yousefi, A., Bagheri Moghaddam, N., Sahafzadeh, M. (2024). Systematic & Structural Analysis of Innovation System of Iran's Oil Industry. *Journal of Petroleum Business Review*.
- Azadi, G., Bagheri Moghaddam, N., Khorasani, M. (2024). A Model for Achieving Scientific Authority in Iran's Healthcare System Using Thematic Analysis. *Rahyaft Journal*.
- Bagheri Moghaddam, N., Nozari, M., Heirani, H., (2023), Analysis of the impact of technology transfer methods on the absorption capacity of Iran's exploration and production companies (E&P), *Strategic Studies in Petroleum and energy Industry* 15 (58), 6-6
- Sahafzadeh, M., Bagheri Moghaddam, N., Yousefi, A. (2023). Structural Analysis of Iran's Oil Industry Technological Innovation System. *Strategic Studies in Oil and Energy Industry*.
- Mehdi Hamidi, Seyed Soroush Ghazi Noori, Mohammad Nagizadeh, Naser Bagheri Moghaddam (2023). Identifying the Barriers to Digital Transformation Using Meta-Synthesis Method. *Smart Business Management Studies Quarterly*.
- Mohammad Ali Ahmadi, Naser Bagheri Moghaddam, Majid Abbaspour, Amir Nazemi Ashni (2023). Analysis of Population, Economic Growth, and Science and Technology Indices in Shared Socioeconomic Pathways (SSPs). *Science and Technology Policy Letter*.

- Alireza Mosayebi, Naser Bagheri Moghaddam, Meysam Torab Mostaadi (2023). A Model for Innovation Ecosystem Development in Radiation Application Sector and Policy Implications. *Science and Technology Policy Letter*.
- Naser Bagheri Moghaddam, Maryam Nowzari, Hossein Heirani (2023). The Impact of Technology Transfer Methods on the Absorptive Capacity of Iranian E&P Companies. *Strategic Studies in Oil and Energy Journal*.
- Nasr Esfahani, A., Nazemi, A., Bagheri Moghaddam, N., Maleki, A. (2022). A Future-oriented Prioritization Model for Science & Technology in Iran. *Journal of Socio-Cultural Strategic Studies*.
- Bagheri Moghaddam, N., Nowzari, M., Heirani, H. (2022). Analysis of Technology Transfer Methods and Their Impact on Absorptive Capacity in E&P Companies. *Strategic Studies in Oil & Energy*.
- Sahafzadeh, M., Bagheri Moghaddam, N., Shahbazi, M. (2022). Systemic and Structural Analysis of Iran's Oil Innovation System. *Strategic Studies in Oil and Energy*.
- Heirani, H., Bagheri Moghaddam, N., Labafi, S., Seyedali. (2022). A Business Model for Distributed PV Systems in Iran. *Sustainability*.
- Alireza Nasr Esfahani, Naser Bagheri Moghaddam, Amir Nazemi, Abbas Maleki (2022). A Foresight-Based Prioritization Model for Science and Technology in Iran Based on Expert Opinion. *Socio-Cultural Strategy Journal*.
- Naser Bagheri Moghaddam, Maryam Nowzari, Zoha Chini Foroushan (2022). Analysis of Natural Gas Underground Storage Technology Development Process Using Innovation Motors Approach. *Science and Technology Policy Journal*.
- Reza Nagizadeh, Ahmad Borumand Kakhki, Amir Houshang Heydari, Naser Bagheri Moghaddam, Amir Nazemi (2022). Modeling the Implementation of Iran's Regional Higher Education Management Plan Using Interpretive Structural Modeling. *Science and Technology Policy Journal*.
- Mehdi Sahafzadeh, Naser Bagheri Moghaddam, Meysam Shahbazi (2022). Structural and Systemic Analysis of the Oil Innovation System in Iran. *Strategic Studies in Oil and Energy Industry*.
- Naser Bagheri Moghaddam, Ghasem Azadi Ahmadabadi, Mohsen Khorasani (2022). A Conceptual Model for Achieving Scientific Authority in Iran's Higher Education. *Rahyaft Journal*.
- Naser Bagheri Moghaddam, Hossein Heirani, Alireza Mosayebi (2021). A Framework to Increase Domestic Participation in Iran's Oil and Gas Technological Projects Based on Content Analysis of Strategic Documents. *Rahyaft Journal*.
- Alireza Nasr Esfahani, Naser Bagheri Moghaddam, Amir Nazemi, Abbas Maleki (2021). Scenario Planning for Iran's Energy Future Using Morphological Analysis and Embedded Frameworks. *Rahyaft Journal*.
- Ali Daghayeghi, Ahmad Jafarnejad Chaghooshi, Naser Bagheri Moghaddam (2021). Formation of Technological Capabilities in Complex Products for Catching-up. *Technology Development Management Quarterly*.

- Peyman Akhavan, Rouhollah Ahmadi, Naser Bagheri Moghaddam, Mir Hamid Taghavi (2021). Evaluating the Role of Gamification and the Social Nature of Technology in Online Stores: Case Study of Modiseh. *Commercial Studies Quarterly*.
- Hossein Heirani, Naser Bagheri Moghaddam, Sina Labafi (2021). Business Model Design for Decentralized Photovoltaic Systems in Iran Based on Lean Canvas. *Energy Policy and Planning Research Quarterly*.
- Naser Bagheri Moghaddam, Mohammad Khosravi, Mehdi Sahafzadeh, Aida Mohajeri (2021). Investigating the Acceptance of Emerging Technologies: Case of Geothermal Heat Pump Systems in Tehran. *Strategic Studies in Public Policy Journal*.
- Hossein Heirani, Naser Bagheri Moghaddam, Mohammad Hasan Fazli (2020). Causal Layered Analysis of Innovation System Failures: Case of CHP Technology in Iran. *Innovation Management Journal*.
- Alireza Nasr Esfahani, Naser Bagheri Moghaddam (2020). Comparative Study of Energy Security Strategies and Policies in Selected Countries: Lessons for Iran. *Rahyaft Journal*.
- Naser Bagheri Moghaddam, Fa'eze Sadat Esfahani, Mostafa Zamanian (2020). Governance and Policy Analysis in Response to the COVID-19 Crisis in Iran and Worldwide. *Rahyaft Journal*.
- Safoura Allahi, Saeed Shavvalpour, Naser Bagheri Moghaddam, Reza Nagizadeh (2020). Analysis of Local Knowledge Spillovers and Their Dynamics from an Evolutionary Economic Geography Perspective: Case Study of Oil Equipment Cluster in Khuzestan. *Technology Development Management Quarterly*.
- Ahmad Borumand Kakhki, Amir Houshang Heydari, Naser Bagheri Moghaddam, Amir Nazemi (2020). Regional STI Policy Models in Higher Education: Fuzzy Cognitive Scenario Mapping. *Science and Technology Policy Letter*.
- Masoud Rezaei, Alireza Boushehri, Naser Bagheri Moghaddam (2020). Key Factors Influencing the Deployment of Photovoltaic Technologies for Distributed Power Generation in Iran. *Energy Policy and Planning Research Quarterly*.
- Naser Bagheri Moghaddam, Hassan Ahmadi (2020). Talent Management: Developing New Organizational Leaders through Factor Analysis. *Applied Educational Leadership Quarterly*.
- Naser Bagheri Moghaddam, Vahid Zahedirad (2019). Functional Role of Policy Networks in Different Phases of the Policy-Making Process. *Policy-Making and Governance in Science, Technology and Innovation Quarterly*.
- Seyed Fazlollah Mousavi, Naser Bagheri Moghaddam, Ghazaleh Taheri Attar, Seyed Mehdi Cheheltani, Meysam Davari (2019). Policy Analysis of the Legal Case of Chemical Victims Based on the Policy Cycle Framework. *Critical Research Journal of Humanities and Social Sciences*.
- Younes Mohammadi, Abbas Mogbel Ba'arez, Naser Bagheri Moghaddam, Amir Afsar (2018). Designing a Conceptual Framework for Regionally Adaptive Innovation Development in Developing Countries: Case of Iran. *Management Improvement Journal*.
- Naser Bagheri Moghaddam, Seyed Mostafa Mohammadpour (2018). Explaining the Technology Development Process of Fuel Cells in Iran Using the Innovation Motors Framework. *Science and Technology Policy Journal*.

- Naser Bagheri Moghaddam, Hassan Ahmadi (2018). Governance and Policy Pathologies in Iran's Higher Education System. *Public Policy Quarterly*.
- Mehdi Mohammadi, Naser Bagheri Moghaddam, Arash Shojaei Charmineh (2017). Learning Styles and Innovation in Developing Countries: Case Study of Iran's ICT Sector. *Science and Technology Policy Quarterly*.
- Hamidreza Amirania, Naser Bagheri Moghaddam, Seyed Habibollah Tabatabaeian, Seyed Mostafa Mohammadpour (2016). Functional Analysis of the Fuel Cell Technological Innovation System in Iran. *Public Policy Quarterly*.
- Mohammadreza Taghva, Naser Bagheri Moghaddam, Seyed Habibollah Tabatabaeian, Mohammad Taghi Taghavi Fard (2016). Analyzing Technology Development Using Innovation Motors: Case of Wind Power in Iran. *Technology Development Management Quarterly*.
- Naser Bagheri Moghaddam, Erfan Mosleh (2016). Sustainable Technology Development: A Framework for Innovation System Governance Analysis. *Science and Technology Policy Letter*.
- Hossein Heirani, Seyed Hassan Ghodsipoor, Naser Bagheri Moghaddam, Hassan Karimian (2014). Dynamic Functional-Structural Analysis of Technology Development in the Innovation System Framework: Case of CHP Technology. *Technology Development Management Quarterly*.
- Naser Bagheri Moghaddam, Mehdi Sahafzadeh, Seyed Mohammad Sadegh Emamian, Abdollah Iran-Khah (2008). Selecting a Suitable Approach for Prioritizing Technology R&D: Case of Membrane Technology in National Iranian Gas Company. *Science and Technology Policy Journal*.
- Naser Bagheri Moghaddam, Seyed Mohammad Sadegh Emamian, Mansour Maleki (2007). Decentralization and Urban Management System Improvement. *Special Issue of the Organization of Municipalities and Village Administrations*.
- Naser Bagheri Moghaddam, Seyed Mohammad Sadegh Emamian, Mansour Maleki (2007). Comparative Study of Institutions Affecting Local Governance and Urban Management in Selected Countries. *Special Issue of the Organization of Municipalities and Village Administrations*.
- Behrooz Zarei, Naser Bagheri Moghaddam (2006). Applying and Comparing AHP, TOPSIS, and ELECTRE in Technology Transfer for Dry-Type Cast Resin Transformers. *Journal of Industrial Management Research, Islamic Azad University, Sanandaj Branch*.

### International Conference Papers

- Bagheri Moghaddam, Naser, Mohajeri, Aida (2019). Catching up Process in Iran's Oil Industry and Evaluating Related Policies, 28th International Conference for Management of Technology (IAMOT).
- Daghaieghi, Ali, Bagheri Moghaddam, Naser, Jafarnezhad Chaghoshi, Ahmad, Kabiri, Reza (2019). Technological Catch-Up Challenges on Complex Product Systems in Developing

- Economies: A Case Study of Measurement Systems for Oil & Gas Wells in Iran, 28<sup>th</sup> International Conference for Management of Technology (IAMOT).
- Heirani, H., BagheriMoghaddam, N., Hamidi, M., Cheheltani, S.M., (2017), Conceptual model of technology development appendix of Iran upstream oil contracts, the 14<sup>th</sup> atlantics international conference.
  - BagheriMoghaddam, N., Shojaei, A., Katiraei, S., (2016), Technological capability assessment with Li Model (case of automotive part economy), the 6<sup>th</sup> international and 10<sup>th</sup> national conference on Management of Technology, Tehran, Iran.
  - BagheriMoghaddam, N., Shojaei, A., Esmaeili, E., (2016). Technological Learning Mechanism and Resource of Learning in Latecomer companies, the 6<sup>th</sup> international and 10<sup>th</sup> national conference on Management of Technology, Tehran, Iran.
  - BagheriMoghaddam, Zamanian, M., Nasiri, N., (2010). Innovation System for Wind Industry in Iran as a Developing Oil Economy, IAMOT Conference, Cairo.
  - BagheriMoghaddam, N., Zamanian, M., Nasiri, M., (2010). Policy Guidelines for Fostering Wind Industry Development in Iran, PICMET Conference, Phuket, Thailand.
  - Mohamadi, K., BagheriMoghaddam, N., Jafari, M., (2010). Defining the Role of Government in TIS Case study: Government Organizations for the Development of Technology in Iran, PICMET Conference, Phuket, Thailand.
  - BagheriMoghaddam, N., Irankhah, A., Mohammadi, K., (2008). National Planning and Development Roadmap of Polymer Electrolyte Membrane Fuel Cell in Iran, Third International Conference and Exhibition on Ecological Vehicles and Renewable Energies EVER08, Monaco, France.
  - Aliverdilou, H., Ameli, M. J., & Moghaddam, N. B. (2008, July). Policy making diagnostics of Iran's fuel cell technology. In PICMET'08-2008 Portland International Conference on Management of Engineering & Technology (pp. 698-703). IEEE.
  - BagheriMoghaddam, N., Sahafzade, M., Emamian, S.M.S., Irankhah, A., (2008) Scenario Based Priority Setting of R&D Issues - A Case Study of Membrane Technology in National Iranian Gas Industry, PICMET Conference, Cape Town, South Africa.
  - Jalaei, S., BagheriMoghaddam, N., Taghavi, A., Moosavi, S.M., Emamian, S.M.S., (2008). Strategy Development for Renewable Energy sector in Iran, 10<sup>th</sup> World Renewable Energy Congress, Scotland.
  - BagheriMoghaddam, N., Sahafzade, M., Zamanian, M., Emamian, S.M.S., (2008). Innovation Survey of Fuel Cell Technology in Iran, IAMOT Conference, Emirate.
  - BagheriMoghaddam, N., Zamanian, M., Sahafzadeh, m., Emamian, S.M.S., (2008). Fuel Cell Technological Innovation System in Iran, ICIM conference, Maastricht.
  - Irankhah, A., BagheriMogadam, N., Mohammadi, K., (2008). National Roadmap for Solid Oxide Fuel Cell in Iran, Third International conference and Exhibition on Ecological Vehicles and Renewable Energies EVER08, Monaco, France

### National Conference papers

- Reza Kabiri, Ali Daghayeghi, Naser Bagheri Moghaddam (2022). Strategies and Challenges of Commercializing Complex Systems and Products in Knowledge-Based Companies: Case Study of National Iranian Drilling Company. 1st Conference and

Exhibition on Technology Management of Knowledge-Based Products in Iran's Oil Industry.

- Hossein Heirani, Amirhossein Sohanakar, Naser Bagheri Moghaddam (2021). Investigating Challenges in the Electricity Production Sector and Proposing Solutions. 1st National Conference on the Future Outlook of the Islamic Republic of Iran.
- Hamid Heidari, Mohammadreza Akbari, Naser Bagheri Moghaddam (2021). Forecasting the Global Energy Consumption Mix by 2040. 1st National Conference on the Future Outlook of the Islamic Republic of Iran.
- Mohammadreza Akbari, Saeed Ghazipour, Seyed Majid Miri, Naser Bagheri Moghaddam (2021). Investigating the Requirements for Establishing a Ministry of Energy in Iran. 1st National Conference on the Future Outlook of the Islamic Republic of Iran.
- Mohammadsadegh Karimi, Davood Karimipour, Naser Bagheri Moghaddam (2021). Gas Imports: A Future Energy Diplomacy Policy for Iran. 1st National Conference on the Future Outlook of the Islamic Republic of Iran.
- Ahmad Mortazaei, Amirhossein Sohanakar, Naser Bagheri Moghaddam (2021). Energy Consumption in Iran's Building Sector: The Demand-Side Bottleneck. 1st National Conference on the Future Outlook of the Islamic Republic of Iran.
- Naser Bagheri Moghaddam, Mohammad Ali Ahmadi, Akbar Rezazadeh (2020). Causal Layered Analysis on the Issue of Climate Change (Abstract). 4th International Conference on Modern Studies in Civil Engineering, Architecture, Urban Planning, and Environment in the 21st Century.
- Naser Bagheri Moghaddam, Hassan Ahmadi (2020). Identifying the Barriers to Pilgrims' Satisfaction during the 2019 Arbaeen Walk: An Ethnographic Perspective on the Massive Arbaeen Event. National Arbaeen Conference.
- Naser Bagheri Moghaddam, Hassan Ahmadi (2020). Pilgrims' Views and Motivations in the 2019 Arbaeen Walk: An Ethnographic Narrative of a Mass Religious Phenomenon. National Arbaeen Conference.
- Naser Bagheri Moghaddam (2019). The Industrialization Process of Iran's Oil Sector. 28th International Conference on Technology Management.
- Naser Bagheri Moghaddam, Meysam Karshi (2016). A Qualitative Comparative Analysis of STI Evaluation Models and Proposal of a Suitable Model for Iran. Academy of Sciences of Iran.
- Mohammad Mehdi Jafari, Neda Afsham, Naser Bagheri Moghaddam, Shadi Rahnama (2015). Evaluation of the Technological Innovation System of Hydrogen and Fuel Cells in Iran and Policy Recommendations. 3rd Hydrogen and Fuel Cell Conference.
- Enayatollah Moallemi, Abbas Ahmadi, Abbas Afraze, Naser Bagheri Moghaddam (2012). Theoretical Steps for Analyzing the Development of Emerging Technologies Using the Technological Innovation System Approach: Case Study of Fuel Cell Technology. 2nd International Conference on Technology Management.
- Abbas Ahmadi, Enayatollah Moallemi, Abbas Afraze, Naser Bagheri Moghaddam (2012). A Model for Identifying Barriers and Drivers in the Formation of

Technological Innovation Systems: Case Study of Fuel Cell Technology. 2nd International Conference on Technology Management.

- Mostafa Zamanian, Naser Bagheri Moghaddam, Seyed Peyman Kafaee (2011). Comparative Evaluation of the Role of Trade Associations in Hybrid Vehicle Technology Development. 1st National Conference on Energy, Automotive Technologies, and Sustainable Development.
- Naser Bagheri Moghaddam, Majid Samsami, Mehdi Sahafzadeh, Seyed Hossein Hosseini (2011). Importance and Role of Balanced Scorecard in Project Portfolio Management. 7th Project Management Conference, Tehran.
- H. Aliverdilou, N. Bagheri Moghaddam, M. Gholami (2010). Fuel Cell Technology Level Assessment of IRAN Based on Experts' Opinions. 4th Iranian Conference on Management of Technology, Tehran, Iran.
- Naser Bagheri Moghaddam, Kamal Mohammadi, Mohammad Mehdi Jafari (2010). Role and Functions of Governments in Technology Development. 4th Conference on Technology Management, Tehran.
- Mostafa Zamanian, Mohammad Reza Khaji, Naser Bagheri Moghaddam (2010). Strategic Analysis of Iran's Plastic Industry with a Value Chain Policy-Making Approach. 7th International Conference on Strategic Management, Tehran.
- Kamal Mohammadi, Mostafa Zamanian, Naser Bagheri Moghaddam (2010). A Model for Industrial Policy-Making Based on Stakeholder Participation Enhancement. 7th International Conference on Industrial Engineering, Isfahan University of Technology.
- Mohammad Reza Khaji, Mostafa Zamanian, Naser Bagheri Moghaddam (2010). Prioritization of Industrial Development Strategies Using Fuzzy Group Decision-Making Model. 7th International Conference on Industrial Engineering, Isfahan University of Technology.
- Mostafa Zamanian, Naser Bagheri Moghaddam, Seyed Mohammad Sadegh Emamian, Mehdi Sahafzadeh (2010). A Conceptual Framework for Mission Formulation in Non-Profit Volunteer Organizations: Application in an Iranian Case. 5th International Conference on Strategic Management.
- Abbasali Karshenas, Farzan Majidfar, Naser Bagheri Moghaddam, Kamal Mohammadi (2010). Forecasting the Role of Advanced Fuel Cell Technologies in Iran's Sustainable Development. 4th Conference on Technology Management, Tehran.
- Abbasali Karshenas, Farzan Majidfar, Kamal Mohammadi, Naser Bagheri Moghaddam (2010). Explaining the Role of Technology Intelligence Systems in Knowledge Management Processes: Case of Solid Oxide Fuel Cell. 4th Conference on Technology Management, Tehran.
- Saeedreza Radpour, Abdollah Iran-Khah, Naser Bagheri Moghaddam, Seyed Jalaloddin Hashemi (2010). Position of Renewable Energies in Iran's Energy Portfolio toward 2025 Horizon. Conference on Energy Consumption Optimization.
- Naser Bagheri Moghaddam, Seyed Moslem Mousavi (2009). Introduction and Review of Global Approaches to National Sustainable Development Strategies. 4th International Conference on Strategic Management.

- Amir Shafi'i Alavijeh, Naser Bagheri Moghaddam, Mehdi Sahafzadeh, Hami Yousef-Dehi (2009). A Systemic Approach for Organizational Environment Analysis: Case Study of an Energy Research Institute. 4th International Conference on Strategic Management.
- Behsad A'zodi, Naser Bagheri Moghaddam (2008). Techniques for Stakeholder Identification and Analysis in Strategic Planning in Public and Non-Profit Organizations: Case Study of Guilan Regional Electric Company. 23rd International Power Conference.
- Naser Bagheri Moghaddam, Seyed Amir Aghaei, Kamal Mohammadi (2008). A Systemic Model for Fuel Cell Technology Development in Iran. 1st National Conference on Hydrogen and Fuel Cell.
- Mostafa Zamanian, Seyed Mohammad Sadegh Emamian, Naser Bagheri Moghaddam (2008). A Maturity Model for Customer Relationship Management in Organizations. 6th International Management Conference, Tehran.
- Naser Bagheri Moghaddam, Azim Zarei (2007). Applying and Comparing AHP, TOPSIS, and ELECTRE Methods in the Technology Transfer of Dry-Type Cast Resin Transformers. 1st International Conference on Operations Research in Iran.
- Naser Bagheri Moghaddam, Morteza Zamanian, Mehdi Sahafzadeh, Seyed Mohammad Sadegh Emamian (2007). Analysis of Strategy Implementation Models and Selection of a Suitable Model in Technology Sector: Case Study of Fuel Cell Technology Development in Iran. Industrial Engineering Conference, Kish Island.
- Saeed Sahebdehfar, Naser Bagheri Moghaddam, Maryam Takht Ravanchi, Mehdi Sahafzadeh (2007). The Role of International Collaboration in the Transfer and Development of Catalyst Technology. 3rd Oil Industry Technology Development Seminar.
- Seyed Kamran Bagheri, Naser Bagheri Moghaddam, Amir Shafi'i Alavijeh (2007). Intellectual Property Management in Iran's Oil Industry. 3rd Oil Industry Technology Development Seminar.
- Naser Bagheri Moghaddam, Majid Haghighi, Seyed Jalaluddin Hashemi (2006). Evaluation of Automotive Powertrain Technologies over a 20-Year Horizon Using Analytic Hierarchy Process and Scenario Planning. 1st International Energy Conference, Institute for Energy Planning and Management, University of Tehran.
- Naser Bagheri Moghaddam, Seyed Jalaluddin Hashemi, Masoud Rezaei (2006). Evaluation of Distributed Electricity Generation Technologies Using Multi-Criteria Decision-Making Methods. 1st International Energy Conference, Institute for Energy Planning and Management, University of Tehran.
- Seyed Jalaluddin Hashemi, Naser Bagheri Moghaddam, Saeedreza Radpour (2006). Analysis of Iran's Energy System Security and Its Relationship with Renewable Energy Deployment. 1st International Energy Conference, Institute for Energy Planning and Management, University of Tehran.
- Naser Bagheri Moghaddam, Hossein Aghighi (2003). Technology Identification: The Technology Roadmapping Approach. 1st Technology Management Conference, MATN Company, Ministry of Energy.

- Naser Bagheri Moghaddam, Ali Maleki (2003). Technology Transfer: Approaches and Methods. 1st Conference on Technology Management, MATN Company, Ministry of Energy

### University Courses Taught

- Advanced Strategic Management, Master's Level, Amirkabir University of Technology, 2024
- Science and Technology Policy, Master's Level, Amirkabir University of Technology, 2023
- Strategic Management, Master's Level, Amirkabir University of Technology, 2023
- Strategic Management, Master's Level, Amirkabir University of Technology, 2022
- Strategic Management, Master's Level, Amirkabir University of Technology, 2021
- Innovation Systems and Technology Development, PhD Level, Iran University of Science and Technology, 2020
- Science and Technology Policies, PhD Level, Iran University of Science and Technology, 2020
- Technology Transfer Models and Intellectual Property, PhD Level, Iran University of Science and Technology, 2020
- Strategic Technology Management, Master's Level, Allameh Tabataba'i University, Fall 2018
- Public Policy, PhD Level, National Research Institute for Science Policy (NRISP), 2017
- Technology Transfer Models and Intellectual Property, PhD Level, Iran University of Science and Technology, 2017
- Technology Transfer Models and Mechanisms, PhD Level, Iran University of Science and Technology, 2017
- Innovation Systems and Their Analysis, Training Course on Science and Technology Special Zones, Secretariat of the Supreme Council of Science, Research, and Technology, 2017
- Science and Technology Policy, PhD Level, NRISP, 2016
- Foundations of Science and Technology Policy, PhD Level, NRISP, 2015
- Science and Technology Diplomacy in the Islamic Republic of Iran, Tabriz Islamic Art University, 2017
- Technology Transfer Models, Master's Level, Allameh Tabataba'i University, 2015
- Selected Topics in Industrial Engineering, Master's Level, University of Science and Culture, 2015
- Technology Assessment, Master's Level, Tarbiat Modares University, Faculty of Humanities, 2014
- Industrial Strategic Management, Master's Level, University of Tehran, Faculty of New Sciences and Technologies, 2014
- Technology and Innovation Management, Master's Level, Amirkabir University of Technology, 2012
- Technology and Innovation Management, MBA Program, Master's Level, Amirkabir University of Technology, 2010

- Principles of Management, Undergraduate Level, Faculty of Computer Engineering and IT, Amirkabir University of Technology, 2010
- Organizational Behavior Management, MBA Program, Master's Level, Amirkabir University of Technology, 2010
- Principles of Management, Undergraduate Level, Faculty of Computer Engineering and IT, Amirkabir University of Technology, 2009
- Technology and Innovation Management, MBA Program, Master's Level, Amirkabir University of Technology, 2009

### Supervision of Theses and Dissertations

- A Process Framework for Technology and Innovation Development at the Industry Level: Case Study of the National Iranian Oil Company (2023)  
Student: Mehdi Sahafzadeh – Faculty of Management and Accounting, Farabi Campus, University of Tehran
- Futures-Oriented Evaluation of Iran's Information Technology Governance System (2023)  
Student: Shohreh Naseri – National Research Institute for Science Policy (NRISP)
- A Foresight-Based Framework for Prioritizing Energy Science and Technology under Climate Change Scenarios (2023)  
Student: Mohammad Ali Ahmadi – National Research Institute for Science Policy (NRISP)
- A Foresight Model for Prioritizing Science and Technology from the Perspective of Energy Security (2021)  
Student: Alireza Nasr Esfahani – National Research Institute for Science Policy (NRISP)
- A Model for Technological Leapfrogging in Complex Products of the Oil Drilling Industry (2021)  
Student: Ali Daghayeghi – Alborz Campus, University of Tehran
- A Transition Analysis of the Technological Innovation System in Iran's Energy Sector with Emphasis on Natural Gas Storage: A Case Study (2018)  
Student: Hossein Heirani – National Research Institute for Science Policy (NRISP)
- The Governance Model of Digital Transition in Iran: A Discourse Analysis Approach (2023)  
Student: Abolghasem Bayat – Iran University of Science and Technology
- Designing a Model for Developing Local Knowledge Spillover Mechanisms in Industrial Clusters: Case Study of Oil and Gas Sector (2021)  
Student: Safoura Allahi – Iran University of Science and Technology
- Developing a Conceptual Framework for Regionally Adaptive Innovation Policy: Case Study of Iran's Makran Region (2018)  
Student: Younes Mohammadi – Tarbiat Modares University
- Explaining the Governance of Technological Innovation System Transitions in Iran: Case Study of Two National Mega Projects of the Supreme Council of Science, Research and Technology (2018)  
Student: Seyed Moslem Mousavi Dorcheh – National Research Institute for Science Policy (NRISP)

- Description and Explanation of a Model for Emerging Technology Development in Iran (2017)  
Student: Hamidreza Amirania – National Research Institute for Science Policy (NRISP)
- Factors Affecting the Development of Photovoltaic Technology Applications for Distributed Electricity Generation in Iran and Analysis of the Gap Between Current and Desired Conditions (2020)  
Student: Masoud Rezaei – Islamic Azad University, Science and Research Branch
- Futures Studies Scenarios of Regional Governance in Iran's Higher Education System (2020)  
Student: Ahmad Borumand Kakhki – National Research Institute for Science Policy (NRISP)
- Entrepreneurial Strategies for the Development of Wind Power Plants (2017)  
Student: Hami Yousef-Dehi – Faculty of Entrepreneurship, University of Tehran
- Impact of Open Innovation on New Product Development: Case Study of Smart Meters (2016)  
Student: Seyed Mohsen Mortezaei – Amirkabir University of Technology
- Learning Mechanisms in the Technological Innovation System (2015)  
Student: Arash Shojaei – Faculty of Management, University of Tehran
- Factors Affecting the Diffusion of Geothermal Heat Pump Technology in Large Commercial Buildings in Tehran (2015)  
Student: Tomaj Abbasi – Faculty of Management and Accounting, Allameh Tabataba'i University
- Technological Capability Assessment of Geothermal Heat Pump Systems (2015)  
Student: Fariba Alizadeh – University of New Sciences and Technologies, University of Tehran
- Identifying Factors Influencing the Development of Renewable Energy Technologies in Iran (2011)  
Student: Masoud Nasiri – Faculty of Industrial Engineering, Amirkabir University of Technology
- A Model for Assessing the Performance of Iran's Fuel Cell Innovation System (2011)  
Student: Enayatollah Moallemi – Faculty of Industrial Engineering, Amirkabir University of Technology
- Prioritizing Research Topics for Membrane Technology in Iran's Petrochemical Industry (2008)  
Student: Mehdi Sahafzadeh – Faculty of Industrial Engineering, Iran University of Science and Technology
- Policy-Making Challenges in Iran's Fuel Cell Industry (2007)  
Student: Houshang Aliverdilou – Faculty of Industrial Engineering, Iran University of Science and Technology

### Research Projects

- Strategic Roadmap for Quantum Technology in Iran (2022)
- Developing a Governance Framework for Data in the Oil and Gas Value Chain (2024)

- Design and Establishment of the Scientific Authority Think Tank (2024)
- Formulation of the Strategic Plan for the Nuclear Science and Technology Research Institute (2023)
- Preparation of the Scientific Authority Report: Definition, Rationale, and Implementation (2023)
- Review and Revision of the General Energy Policies of the Expediency Council (2022)
- Drafting Strategic Documents for the Development of National Quantum Technologies (2022)
- Designing the Technology Annex and Research & Technology Architecture for the Ministry of Petroleum (2021)
- Roadmap for Technology Development at the National Iranian Oil Company (2021)
- Designing a Conceptual Framework for Formulating Technology Leap Policies in Iran (2020)
- Methodology Development for the 5-Year Strategic Science and Technology Plan of 10 Selected Provinces (2018)
- Strategic Oversight and Management of Grand National Project Roadmaps under the Supreme Council for Science, Research, and Technology (2015)
- Supervision and Finalization of National Strategic Technology Documents for Three Mega Projects – Supreme Council for Science, Research, and Technology (2013)
- Methodology for Evaluating the Technological Innovation System – National Research Institute for Science Policy (2013)
- Methodology for Drafting National Strategic Technology Documents – Supreme Council for Science, Research, and Technology (2013)
- Designing the Educational System Structure and Transition Roadmap for the Water and Power Industry (2013)
- Technology Roadmap Development for Iran's Electricity Industry – Ministry of Energy (2012)
- Strategic Development Document for Renewable Energy in Iran – Renewable Energy Organization of Iran (2012)
- Model for Acquiring Priority Technologies in the Electricity Sector – Ministry of Energy (2012)
- Proposing Future Missions, Objectives, and Strategies for the Industrial Development & Renovation Organization – Industrial Management Institute (2012)
- Strategic Document, Vision, and Five-Year Plan for Tehran Beautification Organization – Municipality of Tehran (2011)
- Policy-Making and Executive Leadership in Energy Sector R&D – National Research Institute for Science Policy (2011)
- Strategic Planning and Human Resource Development at the Institute for Iranian Contemporary Historical Studies (2011)
- Operational Plan and Roadmap for Wind Energy Development in Iran – Renewable Energy Organization of Iran (2011)

- Defining Evaluation Indicators for Iran's Electricity Technology Status – Ministry of Energy (2011)
- Strategic and Operational Plan for the Mining Investment Insurance Fund (2010)
- Strategic Plan for Shahid Rezaei Research Institute (2010)
- Strategic Plan for Arian Mahtab Gostar Company (2010)
- Formulating Strategies and Development Directions for Iran's Wind Industry – Renewable Energy Organization of Iran (2010)
- Strategic Plan for the Presidential Center for Technology and Innovation Collaboration (2009)
- Design of a Management System for the Development of Iran's Downstream Petrochemical Industries – National Petrochemical Company (2009)
- Strategic Plan for Niroo Research Institute (2008)
- Defining R&D Priorities for Membrane Technology Strategy – National Iranian Oil Company (2007)
- Strategic Planning for the Presidential Citizens' Communication Center (2007)
- Defining the Mission of the Holding Company for Pharmaceuticals and Medical Equipment – Ministry of Health (2007)
- Operational Plan for the National Strategic Fuel Cell Technology Development Document – Renewable Energy Organization of Iran & Presidential Technology Collaboration Office (2006)
- National Strategy Document for Fuel Cell Technology Development – Energy Deputy, Ministry of Energy (2006)
- Identifying Attractive Investment Areas in the Mining Industry and Developing Development Strategies – Presidential Technology Collaboration Office (2006)
- Method for Identifying Potential Technology Transfer Sources and Selecting Optimal Providers – Presidential Technology Collaboration Office (2006)
- (Advisor) Methodology for Developing Electricity Industry R&D Strategy – Tavanir Company, Ministry of Energy (2006)
- Strategic Planning Methodology for Tehran Municipality (2005)
- Technology Development Strategy and Implementation Road map for Fuel Cell Technology in Iran – National Fuel Cell Steering Committee (2003)
- Technical and Economic Feasibility of Dry-Type Cast Resin Transformer Technologies Using AHP – Iran Transfo Company (2000)
- Benchmarking of Industrial Products of Iran Transfo Company Against International Competitors – Iran Transfo Company (2000)
- Design and Implementation of Pre-Shipment Technical Inspection System – Iran Transfo Company (2000)
- Science and Technology Authority Report: Definition and Framework (2022)
- Development of Energy Policy Guidelines – Expediency Council (2021)
- Strategic Planning for Renewable Energies – Renewable Energy Organization of Iran (2012)
- National Fuel Cell Road map – Ministry of Energy (2005)

- Designing R&D Strategies in Iran's Power Sector – Tavanir Company (2004)

### **Executive and Strategic Positions**

- Secretary of the Foresight Council, The Academy of Science, Iran(2023)
- Head of the Strategic Studies Group for Science, Technology and Futures Studies, The Academy of Science, Iran(2023)
- Director, National Scientific Map Modernization Project, The Academy of Science, Iran (2024)
- Vice President, Iran National Elites Foundation (2022)
- Chair, Science and Technology Policy Think Tank – MSRT (2021)
- Strategic Foresight Manager for Energy, Vice Presidency for Science and Technology (2016)
- Member, Energy Policy Committee – Expediency Council (2020)
- Member, National Science and Technology Strategy Council (2015)
- Deputy for Policy, Secretary of the Supreme Council of the Cultural Revolution, (2015)

### **Research Interests**

Governance, Science and Technology Policy, Knowledge-based Economy, Energy and Environmental Policy, Renewable Energies, Technology and Innovation Management, Strategic Foresight, Strategic Management.