

(1)

FULL CV

HASSAN ALI OZGOLI

Assistant Professor

IRANIAN RESEARCH ORGANIZATION FOR SCIENCE AND TECHNOLOGY (IROST)

EDUCATION

2007 - 2012

Doctor of Philosophy (PhD), Energy Engineering
Science and Research Branch, Islamic Azad University, Tehran, Iran

Thesis title:

Modeling SOFC & GT Integrated-Cycle Power System using Auxiliary Systems with Energy Consumption Minimizing Target to Improve System Performance.

Focus topics:

- Energy Modelling of Biomass Fluidized Bed Gasifier, Gas Turbine, Solid Oxide Fuel Cell and Compact Heat Exchangers
- Process Modelling (Mass and Energy Balance, Thermochemical and Electrochemical Conversion)
- Energy and Cost Optimisation in Sustainable Technologies,
- Economic Analysis, Environmental Considerations, Future Plans.

2004 - 2007

Master of Science (MSc), Energy Engineering
Science and Research Branch, Islamic Azad University, Tehran, Iran

Thesis title:

Non-linear Modeling Algorithms and Reproducible Quantitative Analysis in Fuel Cells and Integration with Photovoltaic and Electrolysis Systems (using GAMS)

1999 - 2004

Bachelor of Science (BSc), Mechanical Engineering
Islamic Azad University, Takestan Branch, Takestan, Iran

WORK EXPERIENCE

(i) Academic

2018–
Present

General Manager - Iranian Research Organization for Science and Technology (IROST)

Administration of Industry Liaison and Technology Services

- Carry out strategic studies and research, and analyze vulnerabilities to the national technology development system.
- Provide support for the development of high priority technologies, and offer consultations for evaluation, commercialization, and marketing of these technologies nationally and internationally.

2015–
Present

Scientific Staff - Iranian Research Organization for Science and Technology (IROST)

Department of Mechanical Engineering

- Execute major projects with the aim of technology development nationally and internationally.
- Hold Research-Oriented Ph.D. Programs, and organize short-Term educational workshops and courses.

2017–2018

Head of Energy Conversion and Productivity Research Group - Iranian Research Organization for Science and Technology (IROST)

Department of Mechanical Engineering

2013–
Present

Invited Lecturer - Tehran Science and Research Branch, Islamic Azad University

PROFILE

More than 10 years' experience in **Energy Engineering**, including Sustainable Energy Development, Renewable Energy Technologies, Energy Modelling, Energy Efficiency, Energy Management systems, Software Development and Energy Optimisation in Buildings and Industry.

Proposed and implemented a number of research and practical projects to meet sustainable energy goals.

Published extensively in the fields of renewable energy, alternative fuels, techno-economic assessments, energy conversion, energy storage.

CONTACTS



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irost.org

LANGUAGES

English: **Professional**

Persian: **Native**

COMPUTER SKILLS

General: Microsoft Office (Word, Excel, PowerPoint)

Process Modelling: Cycle-Tempo, Aspen HYSYS, Thermoflow

CFD Simulation: ANSYS Fluent, COMSOL Multiphysics

Energy Modelling: EES, PVSOL, RETScreen, EnergyPlus

Mathematical Programming: MATLAB, Python, GAMS

General Programming Languages: C++, C#

2008

Invited Lecturer - Takestan Branch, Islamic Azad University

Department of Mechanical Engineering

2005–2013

Invited Lecturer - University of Applied Science and Technology

REVIEWING EXPERIENCE

The Reviewer of Iran National Science Foundation for Investigation of Researchers and Companies (2017-Present);

Inventions Reviewer in the field of Mechanical and Energy Engineering (2015-Present);

The Reviewer of Technological Capabilities of the Tech Companies (2015-Present);

The Reviewer of Several National and International Scientific Journals and Conferences (2012-Present).

2014-Present

(ii) Industrial

Senior Advisor – Parse Energy Co.

Business Development Working Group

2012-Present

Senior Development Manager – Energy House Co.

Department of Energy Management

TECHNICAL TRAINING PROGRAMS

2020

❖ Regional Workshop on Technology Transfer - **Renewable Energy Technologies for Climate Change Mitigation**, Asian and Pacific Centre for Transfer of Technology (APCTT) of United Nations ESCAP, Bangkok, Thailand

2019

❖ WAITRO Capacity Building Program on **Solar Thermal Technology for Industrial Application**, Shah Alam, Selangor, Malaysia.

2019

❖ International Training Workshop on **Technopreneurship for Developing Countries**, Prepared by NAM S&T Centre, Kuala Lumpur, Malaysia.

2016

❖ APEC (Asia-Pacific Economic Cooperation) Training Workshop on **Development and Application of Solar Technologies and Products**, Kunming, China.

2016

❖ **Compressed Air System Optimization** User Training Course, United Nations Industrial Development Organization (UNIDO), Tehran, Iran.

2015

❖ Asia Pacific Regional Workshop on **Biomass Energy Resource Assessment**, organized by Asian and Pacific Centre for Transfer of Technology (APCTT) – (International Renewable Energy Agency (IRENA), Bangkok, Thailand.

2015

❖ Biomass Open Research Forum, **Biomass Resource Assessment for ASEAN+6 Countries**, organized by Asian and Pacific Centre for Transfer of Technology (APCTT) – (International Renewable Energy Agency (IRENA), Bangkok, Thailand.

2015

❖ A Brief Review (Theory and Application) within **En.M.S. According to ISO 50001:2011**, Iran Energy Association, Tehran, Iran.

2013

❖ **Technology of Extracting Energy from Biomass Sources** (Iran Energy Association), Tehran, Iran.

2012

❖ **Energy Management Systems & Productivity** (Iran Energy Association, Tehran, Iran.

2010

❖ **Management Systems and Energy Management** (TUV Academy), Tehran, Iran.

2004-2008

❖ **Computer Operation, Computer Programming and Data Base Design**, Iran Technical & Vocational Training Organization.

DOMESTIC PATENTS

Sep. 2017

1. An advanced integrated gas turbine system consisting of cascading humidifier and fluidized bed biomass gasification for use in thermal power plants.

Jun. 2016

2. Augmentation of gas turbine energy efficiency using convergent-divergent nozzle as cooling system.

PROFESSIONAL MEMBERSHIP

Member of the Technical Committee for the Arbitration of Mechanical and Energy Engineering of the Khwarizmi International Award (2015-Present);

Member of the Iranian Energy Association (2012-Present).

ACHIEVEMENTS

❖ Top 1% of Ph.D. and MSc Students in Energy Engineering field, Science and Research Branch, Islamic Azad University;

❖ Best Reviewer of the 1st International Conference on Energy Management and Technology;

❖ Selected as the Best Oral Presentation in Three International Conferences.

THESES SUPERVISOR / ADVISOR

PhD Theses Supervisor: 7

PhD Theses Advisor: 2

MSc Theses Supervisor: 14

MSc Theses Advisor: 6

COMMUNICATION SKILLS

Team Work
Presentation
Making Collaborations
Teaching
Daily Supervisor

OTHER INFORMATION

Social, Organized, Creative,
Adaptability, Attention to Details,
Precise, Able to Work Independently

Google Scholar:

<https://scholar.google.com/citations?hl=en&user=BFPU4ucAAAAJ>

Research Gate:

https://www.researchgate.net/profile/Hassan_Ali_Ozgoli

LinkedIn:

<https://www.linkedin.com/in/hassan-ali-ozgoli-96655942/>

RESEARCH INTERESTS

Biomass Energy (Gasification of Biomass, Waste and Coal Fuels);
Energy Systems Modeling and Optimisation in Buildings and Industry;
Integration of Energy Systems (District Heating, Distributed Generation, HVAC systems, Techno-Economic Assessments);
Low-Carbon Technologies and Environmental Considerations;
Economic Analysis of the Energy Systems;
Mathematical Programming, Process Modelling and **Simulation** by Commercial Software;
Computational Fluid Dynamics (CFD) (Thermochemical Conversion, Electrochemical Modelling and Analysis);
Solar Energy Systems (Photovoltaic, Flat Plate Solar Collectors, Parabolic Trough Solar Collectors, Solar Photovoltaic Thermal Collectors (PV/T));
State-of-art in **Fuel Cells** (Simulation, Modelling and Engineering design);
Vanadium Redox flow Batteries (VRFB), Energy Storage Systems.

TEACHING EXPERIENCE

Postgraduate Courses (Ph.D. & M.Sc.)

Department of Mechanical Engineering, Iranian Research Organization for Science and Technology (IROST)

Energy Systems Analysis
Turbomachines
Optimization of Energy Streams
Energy Modeling
Advanced Energy Conversion Systems
Design of Combined Heat and Power Systems

Department of Energy engineering, Science and Research Branch, Islamic Azad University

Energy Systems Analysis
Thermal Systems Design
Energy Modeling
Advanced Mathematical Programming
Energy Intensive Industries

Undergraduate Courses (B.Sc.)

Department of Mechanical Engineering, Takestan Branch, Islamic Azad University

Fluid Mechanics

REFERENCES

1. Dr. Hossein Ghadadian, Associate professor, Department of Energy, Materials and Energy Research Center (MERC), Tehran, Iran, Phone number: Phone number: +98(912)2541353, E-mail: h.ghadadian@merc.ac.ir, (Supervisor professor of the candidate MSc. & Ph.D. theses)
2. Dr. Foad Farhani, Associate professor, Department of Mechanical Engineering, Iranian Research Organization for Science and Technology (IROST), Tehran, Iran, Phone number: +98(912)3840104, Email: f.farhani@irost.ir, (Head of Department)
3. Dr. Ali Asghar Hamidi, Professor, College of Chemical Engineering, University of Tehran, Tehran, Iran, Phone number: +98(912)1134169, E-mail: aahamidi@ut.ac.ir, (Supervisor professor of the candidate Ph.D. thesis)

(2)

PUBLICATIONS

RESEARCH PUBLICATIONS

(I) Journal Papers

- 2021 "Machine Learning-Based Operational Control Framework for Reducing Energy Consumption of an Amine-Based Gas Sweetening Process." M. Moghadasi, H. A. Ozgoli, F. Farhani, *International Journal of Energy Research*, 45, 1055-1068.
- 2021 "Steam Consumption Prediction of a Gas Sweetening Process with Methyldiethanolamine Solvent using Machine Learning Approaches." M. Moghadasi, H. A. Ozgoli, F. Farhani, *International Journal of Energy Research*, 45, 879-893.
- 2020 "Integration of Solar Dryer with a Hybrid System of Gasifier-Solid Oxide Fuel Cell/Micro Gas Turbine: Energy, Economy, and Environmental Analysis." S. Safari, A. H. Ghasedi, H. A. Ozgoli, *Environmental Progress & Sustainable Energy*, e13569.
- 2020 "Integration of a Biomass-Fueled Proton Exchange Membrane Fuel Cell system and a Vanadium Redox Battery as a Power Generation and Storage System." H. A. Ozgoli, S. Safari, M. H. Sharifi, *Sustainable Energy Technologies and Assessments*, 42, 100896.
- 2020 "Simulation of a GEF5 Gas Turbine Power Plant Using Fog Advanced Cycle and a Systematic Approach to Calculate Critical Relative Humidity." S. M. Arabi, H. Ghadamian, M. Aminy, H. A. Ozgoli, B. Ahmadi, M. Khodsiani, *International Journal of Engineering*, 33, 2356-2364.
- 2020 "Modeling and Investigation of Gas Turbines Heat Recovery in the Semnan Oil Pumping Station for Heating Gas-Oil to Reduce Energy Consumption of Pumping." M. Shahabi, H. A. Ozgoli, A. Akbarnia, *Journal of Energy Management and Technology*, 4, 21-27.
- 2020 "Energy Modelling and Techno-Economic Analysis of a Biomass Gasification-CHAT-ST Power Cycle for Sustainable Approaches in Modern Electricity Grids." S. Hosseinpour, A. Haji Seyed Mirzahosseini, R. Mehdipour, A. H. Hemmasi, H. A. Ozgoli, *Journal of Renewable Energy and Environment*, 7, 43-51.
- 2020 "Electrochemical Modeling and Techno-Economic Analysis of Solid Oxide Fuel Cell for Residential Applications." S. Safari, H. A. Ozgoli, *Journal of Renewable Energy and Environment*, 7, 40-50.
- 2019 "Energy Performance Analysis of GE-F5 Gas Turbines at Off-design Conditions by Applying an Innovative Convergent– Divergent System for the Inlet Air Cooling." S. M. Arabi, H. Ghadamian, M. Aminy, H. A. Ozgoli, B. Ahmadi, M. Khodsiani, *Measurement and Control*, 52, 1508-1516.
- 2019 "The Energy Analysis of GE-F5 gas Turbines Inlet Air–Cooling Systems by the Off-design Method." S. M. Arabi, H. Ghadamian, M. Aminy, H. A. Ozgoli, B. Ahmadi, M. Khodsiani, *Measurement and Control*, 52, 1489-1498.
- 2019 "Modeling and Process Analysis of a Biomass Gasifier-Molten Carbonate Fuel Cell-Gas Turbine-Steam Turbine Cycle as a Green Hybrid Power Generator." H. A. Ozgoli, *Journal of Renewable Energy and Environment*, 3, 42-52.
- 2019 "Experimental Evaluation of an Energy Efficiency Improvement System in Split Air Conditioner." H. A. Ozgoli, K. Seiedi Niaki, *Amirkabir Journal of Mechanical Engineering*, 52, 51-60.
- 2019 "Propose and Analysis of an Integrated Biomass Gasification - CHAT - ST Cycle as an Efficient Green Power Plant." S. Hosseinpour, R. Mehdipour, A. Haji Seyed Mirzahosseini, A. H. Hemmasi, H. A. Ozgoli, *Environmental Progress & Sustainable Energy*, 38, 13184.
- 2018 "Gas Sweetening Process Simulation – Investigation on Recovering Waste Hydraulic Energy." M. Moghadasi, H. A. Ozgoli, F. Farhani, *International Journal of Aerospace and Mechanical Engineering*, 12, 798-804.
- 2018 "Thermo-economic analysis of absorption chiller integrated with a GE-F5 gas turbine for power enhancement (Zanbagh power plant, studied case)." S. M. Arabi, H. Ghadamian, M.

- Aminy, H. A. Ozgoli, B. Ahmadi, M. Khodsiani, *Iranian Journal of Mechanical Engineering Transactions of the ISME*, 19, 20-33.
- 2017 "Simulation of a Solid Oxide Fuel Cell with External Steam Methane Reforming and Bypass." H. A. Ozgoli, A. Allahyari, *Iranian Journal of Hydrogen and Fuel Cell*, 4, 103-118.
- 2017 "Integration of a Vanadium Redox Flow Battery with Proton Exchange Membrane Fuel Cell as an Energy Storage System." H. A. Ozgoli, H. Yazdani, *Iranian Journal of Hydrogen and Fuel Cell*, 4, 53-68.
- 2017 "Thermo-Economic Analysis of Applying Cooling System Using Fog on GE-F5 Gas Turbines (Case Study)." S. M. Arabi, H. Ghadamian, M. Aminy, H. A. Ozgoli, B. Ahmadi, *Journal of Heat and Mass Transfer Research*, 4, 73-81.
- 2017 "Simulation of Integrated Biomass Gasification, Gas Turbine and Air Bottoming Cycle as Energy Efficient System." H. A. Ozgoli, *International Journal of Renewable Energy Research*.
- 2017 "Economic Analysis of Biomass Gasification-Solid Oxide Fuel Cell-Gas Turbine Hybrid Cycle." H. A. Ozgoli, H. Ghadamian, M. Pazouki, *International Journal of Renewable Energy Research*.
- 2017 "Proposing a New Design Algorithm for Modeling & Comparative Evaluating of a Compound Regenerative Fuel Cell (RFC) System." H. Ghadamian, M. Baghban, F. Farhani, H. A. Ozgoli, *Journal of Renewable Energy and Environment*, 3, 44-53.
- 2017 "Exergy Analysis of a Molten Carbonate Fuel Cell-Turbo Expander-Steam Turbine Hybrid Cycle." H. A. Ozgoli, *Iranian Journal of Hydrogen and Fuel Cell*, 3, 267-279.
- 2016 "Modeling and Simulation of an Integrated Gasification SOFC-CHAT Cycle to Improve Power and Efficiency." H. A. Ozgoli, M. Moghadasi, F. Farhani, M. Sadigh, *Environmental Progress & Sustainable Energy*, 36, 610-618.
- 2016 "Energy Consumption Minimization of an Industrial Furnace by Optimization of Recuperative Heat Exchange." H. Ghadamian, F. Esmailie, H. A. Ozgoli, *Journal of Mechanics*, 32, 767-775.
- 2016 "Energy Price Analysis of a Biomass Gasification-Solid Oxide Fuel Cell-Gas Turbine Power Plant." H. A. Ozgoli, H. Ghadamian, *Iranian Journal of Hydrogen and Fuel Cell*, 2, 45-58.
- 2016 "A Transient model of Vanadium Redox flow Battery." H. A. Ozgoli, S. Elyasi, *Mechanics and Industry*, 17, 406 (1-12).
- 2015 "Hydrodynamic and Electrochemical Modeling of Vanadium Redox Flow Battery." H. A. Ozgoli, S. Elyasi, M. Mollazadeh, *Mechanics and Industry*, 16, 201 (1-13).
- 2015 "Optimal Design for Compact Heat Exchanger (CHE) by Heat transfer point of view as a furnace air Pre-heater." H. Ghadamian, H. A. Ozgoli, F. Esmailie, *Journal of Mechanic*, 31, 583-590.
- 2015 "A Double Pipe Heat Exchanger Design and Optimization for Cooling Purpose of an Alkaline Fuel Cell System." L. Ariyanfar, H. Ghadamian, M. Baghban, H. A. Ozgoli, *Iranian Journal of Hydrogen and Fuel Cell*, 4, 223-231.
- 2015 "Alternative Biomass Fuels Consideration Exergy & Power Analysis for Hybrid System Includes SOFC & GT Integration." H. A. Ozgoli, H. Ghadamian, R. Roshandel, M. Moghadasi, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 37, 1962-1970.
- 2013 "CO₂ Capture Technical Analysis for Gas Turbine Flue Gases with Complementary Cycle Assistance Including Non Linear Mathematical Modeling." M. Moghadasi, H. Ghadamian, H. Farzaneh, M. Moghadasi, H. A. Ozgoli, *Procedia Environmental Sciences*, 17, 648-657.
- 2013 "Energy Efficiency Improvement Considering Environmental Aspects Regards to a Biomass Gasification PSOFC/GT Power Generation System." H. A. Ozgoli, H. Ghadamian, H. Farzaneh, *Procedia Environmental Sciences*, 17, 831-841.
- 2012 "Thermo-economic analysis of absorption air cooling system for PSOFC/GT cycle." H. Ghadamian, A. A. Hamidi, H. Farzaneh, H. A. Ozgoli, *Journal of Renewable and Sustainable Energy*, 4, 043115.
- 2012 "Modeling SOFC & GT Integrated-Cycle Power System with Energy Consumption Minimizing Target to Improve Comprehensive cycle Performance (Applied in pulp and paper, case studied)." H. A. Ozgoli, H. Ghadamian, A. A. Hamidi, *The GSTF Journal of Engineering Technology*.

(II) Conference Papers

- 2018 "Thermodynamic Modeling of an IBG-CHAT-ST Power System." S. Hosseinpour, R. Mehdipour, A. Haji Seyed Mirzahosseini, A. H. Hemmasi, H. A. Ozgoli, *4th International Conference on Production Automation and Mechanical Engineering*, Montreal, Canada.
- 2018 "Gas Sweetening Process Simulation – Investigation on Recovering Waste Hydraulic Energy." M. Moghadasi, H. A. Ozgoli, F. Farhani, *4th International Conference on Production Automation and Mechanical Engineering*, Montreal, Canada.
- 2017 "Impact of Energy Price Consideration on Economic Analysis of a Solid Oxide Fuel Cell Hybrid Power Plant." H. A. Ozgoli, H. Yazdani, *The 6th Annual Conference of Chemistry, Chemical and Polymer Engineering*, Tehran, Iran.
- 2017 "Photoheterotrophic Enhanced Biocatalytic Hydrogen Production from Lignocellulosic Waste." *2nd International and 10th National Biotechnology Congress of Islamic Republic of Iran*, Tehran, Iran.
- 2016 "Modelling and evaluation of utilizing a vanadium redox flow battery with wind energy application." H. Qanadha, H. A. Ozgoli, S. S. Okhovat, *First international comprehensive competition conference of engineering sciences in Iran*, Anzali, Iran.
- 2012 "CO₂ Capture Technical Analysis for Gas Turbine Flue Gases with Complementary Cycle Assistance Including Non Linear Mathematical Modeling." M. Moghadasi, H. Ghadamian, H. Farzaneh, M. Moghadasi, H. A. Ozgoli, *The 3rd International Conference on Sustainable Future for Human Security (SUSTAIN) 2012*, Kyoto, Japan.
- 2012 "Energy Efficiency Improvement Considering Environmental Aspects Regards to a Biomass Gasification PSOFC/GT Power Generation System." H. A. Ozgoli, H. Ghadamian, H. Farzaneh, *The 3rd International Conference on Sustainable Future for Human Security (SUSTAIN) 2012*, Kyoto, Japan.
- 2011 "Modeling SOFC & GT Integrated-Cycle Power System with Energy Consumption Minimizing Target to Improve Comprehensive cycle Performance (Applied in pulp and paper, case studied)." H. A. Ozgoli, H. Ghadamian, A. A. Hamidi, *World Renewable Energy Congress 2011*, Linköping, Sweden.

(III) Journal Papers (in Persian)

- 2015 "Transient Model and Technical Analysis of Vanadium redox Flow Battery with Polymer Membrane." H. A. Ozgoli, H. Yazdani, *Journal of Energy Engineering Management*, Available in: http://energy.kashanu.ac.ir/browse.php?a_code=A-10-747-1&slc_lang=fa&sid=1
- 2010 "A New Design Algorithm for Modeling and Comparative Evaluation of Compound Regenerative Fuel Cell (RFC) Systems." H. A. Ozgoli, H. Ghadamian, F. Atabi, *Journal of Environmental Science and Technology*, Available in: http://jest.srbiau.ac.ir/article_357_31.html
- 2006 "Regenerative Fuel Cells, Technical Considering and analysis." H. A. Ozgoli, H. Ghadamian, *Oil and Energy*, Available in: magiran.com/p344457
- 2006 "Methanol Fuel Cell Vehicles." H. A. Ozgoli, *Human and the Environment*, 2006, Available in: <http://www.ensani.ir/fa/content/192162/default.aspx>
- 2006 "Evaluation and Technical Analysis of Photovoltaic Systems for Designing Regenerative Fuel Cells." H. A. Ozgoli, H. Ghadamian, F. Atabi, *Journal of Environmental Science and Technology*.

(IV) Conference Papers (in Persian)

- 2020 "Design and Implementation of a Small Scale Downdraft Biomass Gasifier to Generate Energy from Solid Wastes." H. A. Ozgoli, F. Farhani, K. Seiedi Niaki, *National conference on Advanced Sciences and Technologies in Water, Energy & Environment*, Tehran, Iran.
- 2019 "The Development of a Predictive Model for the Consumption of Steam Energy Carrier in the Gas Sweetening Process using Multivariate Regression with Real Data." M. Moghadasi, H. A. Ozgoli, F. Farhani *1st International Conference on the New Technologies in the Oil, Gas & Petrochemical Industries*, Tehran, Iran.

- 2018 "Experimental Analysis of a Mechanism for Improving Energy Performance of Air Conditioner Using Evaporative Condenser and Drain Water." M. Karami, H. A. Ozgoli, *3rd International Conference on Mechanical and Aerospace Engineering*, Tehran, Iran.
- 2018 "Energy Conservation of Oil Pump Stations using Operation Pressure Control Mechanism in Pipeline." M. Shahabi, H. A. Ozgoli, A. Akbarnia, *4th International Conference on Energy Management and Technology*, Tehran, Iran.
- 2018 "Modeling and Feasibility Study of Technical and Economical Wind and Photovoltaic Hybrid On-Grid System." K. Khatounabadi, H. A. Ozgoli, M. Ghadimi, *4th International Conference on Energy Management and Technology*, Tehran, Iran.
- 2017 "The Technical Study and Design of the Air Heat Exchangers using in the Combined Gas Turbine System with Air Bottoming Cycle." M. Shahrokhi, H. A. Ozgoli, *The 9th Conference of Heat Exchanger, Chiller and Cooling Tower*, Tehran, Iran.
- 2016 "Consideration the Effect of using Fog System on the Performance of Gas Turbine model Ruston TA-1750 in the Tehran branch of IOPTC." *First international comprehensive competition conference of engineering sciences in Iran*, Anzali, Iran.
- 2016 "Consideration and Comparative Comparison of Biomass Gasification Technologies Related to Situation of Iran." S. Khatami, H. A. Ozgoli, S. S. Okhovat, *First international comprehensive competition conference of engineering sciences in Iran*, Anzali, Iran.
- 2009 "Optimal design of Compact Heat Exchanger in heat transfer view point by MATLAB software." H. A. Ozgoli, *First International Heat Exchanger Conference*, Tehran, Iran.

(V) Books (in Persian)

- 2021 "Hydrodynamic Simulation of Fluids using ANSYS FLUENT Software", M. H. Mirabi, H.A. Ozgoli, E. Jabbari, T. Rajaei. *Iranian Research Organization for Science and Technology (IROST)*, Tehran, Iran.
- 2020 "Energy Management System Standards, Guildlines for Engineers", H. Ghadamian, M. Shakouri, M. Moghadasi, H. A. Ozgoli, *Material and Energy Research Center (MERC)*, Karaj. Iran.
- 2019 "Energy Management System Standard, ISO 50001:2018", M. Moghadasi, H. A. Ozgoli, *QM Academy*, Tehran, Iran.

Citations Link

Google Scholar:

<https://scholar.google.com/citations?hl=en&user=BFPU4ucAAAAJ>