

Mehdi Ghorbani

Associate Professor, Faculty of Natural Resources, University of Tehran

Adjunct Professor, Faculty of Entrepreneurship, University of Tehran



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Expertise:

- ✓ Governance and Resilience of Socio-Ecological Systems
- ✓ Social Business
- ✓ Complex Adaptive Systems

Fields of research:

- ✓ Social Networks Analysis
- ✓ Agent based Simulation of Human-Environment Systems
- ✓ Resilience of Socio-Ecological Systems
- ✓ Corporate Social Responsibility
- ✓ Natural Resource Governance
- ✓ Cultural Ecology
- ✓ Economic Valuation of Ecosystem Services

Education:

- *Natural Resources Engineering (BSc. degree)- University of Tehran, Iran - 2005*
- *Natural Resources Engineering (MSc. degree) - University of Tehran, Iran - 2007*
- *Natural Resource Policy and Management (Ph.D. degree) - University of Tehran, Iran - 2012*

National Experience and Awards:

- ✓ Qala Ganj Local Community Empowerment Plan, (**Excellent Applied National Plan- Ministry of Science, Research and Technology of Iran- Iran, 2020**).
- ✓ **Gaining lasting name and emblem in the empowerment of local communities and rural employment** (The second gathering honoring of the Indicative persons of the industry and economy of the country in the year- Iran, 2019)
- ✓ **Gaining a Diploma in Social Business-** International Social Business Summer Program (**ISBSP**)- (Dahuti University of Bangladesh- Prof. Muhammad Yunus Center-2019)
- ✓ Local Communities Empowerment Template, (**The Special Achievement of the University of Tehran**)- (Iran, 2019).
- ✓ Social Network Analysis; Modeling, Policy Making, and Co-Management of Natural Resources, (**The Best Practical Initiative**) -(Iran, 2016).
- ✓ The Iranian Model of Collaboration and empowerment of local communities by Social Network Approach; the Executive of the Premium Initiative of the Jihad Culture and Managemet, (**The Best Initiative**)- (Iran, 2015).
- ✓ The best researcher of the University of Tehran in Agriculture and Natural Resources Faculty, (**The Best Researches**)- (Iran, 2008).

Authored or Translated books:

- ✓ Ebrahimi Azarkharan, F., **Ghorbani, M.**, Malekian, A., Bressers, H. (2020). **Networks in Water Governanace**. A chapter of book, Palgrave Macmillan.
- ✓ Yunus, M., (2010). **Building Social Business**. Translator: **Ghorbani, M.** University of Tehran.
- ✓ Yunus, M., (2017). **A world of Three Zeroes**. Translator: **Ghorbani, M.** University of Tehran.
- ✓ Berkes, F., (2018). **Sacred Ecology**. Translator: **Ghorbani, M.** University of Tehran.
- ✓ Biggs, R., Schluter, M., Schoon, M. L. (2015). **Principles for Building Resilience**. Translator: **Ghorbani, M.** University of Tehran.
- ✓ Pahl-Wostl C. (2015). **Water Governance in the Face of Global Change**. Translator: **Ghorbani, M.** University of Tehran.
- ✓ Boyd E., Folke C. (2011). **Adapting Institutions**. Translator: **Ghorbani, M.** University of Tehran.
- ✓ Scholz R. W. (2011). **Environmental Literacy in Science and Society**. Translator: **Ghorbani, M.** University of Tehran.
- ✓ Bodin, O. (2011). **Social Networks and Natural Resources Management**. Translator: **Ghorbani, M.** University of Tehran.
- ✓ Vaccaro I., Alden Smith E., Aswani S. (2010). **Environmental Social Science**. Translator: **Ghorbani, M.**, Azarnivand, H. University of Tehran.

National Projects:

1. **The Executive Manager**, Regional Development Project of Khaf county- Khorasan Razavi Province, Sangan Steel Company, Iran (2019- Continued).
2. **The Executive Manager**, Empowerment and Social Business Projects of Ghale-Ganj county- Kerman Province, Alavi Foundation, Iran (2016-2020).
3. **The Executive Manager**, Empowerment and Social Business Projects of Sarpol-e-Zahab county- Kermanshah Province, Alavi Foundation, Iran (2018-2020).

4. **The Executive Manager**, Empowerment and Social Business Projects of Mane va Samalghan county- Khorasan Shomali Province, Alavi Foundation, Iran (2018-2020).
5. **The Executive Manager**, Empowerment and Social Business Projects of Larak Island in Gheshm district, Alavi Foundation, Iran (2018-2020).
6. **The Executive Manager**, Local initiatives and indigenous knowledge in the water resources management in the Ghazir plain, Cultural Heritage, Handicrafts and Tourism Research Institute, Iran (2015-Continued).
7. **The Executive Manager**, Analysis and evaluation of social-political networks of public organizations, institutions and sustainable rural development funds (RFLDL International Project - Khorasan Razavi and Kerman Provinces), Department of Natural Resources and Watershed Management of South Khorasan Province, Iran (2015).
8. **The Executive Manager**, Iranian Template of participation and empowerment of local communities with a social network approach, The Forest, Range, and Watershed Management Organization of Iran, Iran (2015).
9. **The Executive Manager**, Social network analysis: modeling, policy making and implementation of participatory management of natural resources (Markazi, Semnan, Kohgiluyeh and Boyer-Ahmad provinces). The Forest, Range, and Watershed Management Organization of Iran, Iran (2013-2014).

Publications (Some publications in internationally recognized and well known publishers and journal with high impact factor are listed/ Persian publications are too long and some of them are listed here):

- **Ghorbani, M.,** Azadi, H. (2020). A Social-Relational Approach for Analyzing Trust and Collaboration Networks as Pre-Conditions for Rangeland Co-Management. Journal of **Rangeland Ecology and Management.**
- **Ghorbani, M.,** Eskandari-Damaneh, H., Cotton, M., Ghoochani, O., Borji, M. (2020). Harnessing indigenous knowledge for climate change-resilient water management—lessons from an ethnographic case study in Iran. Journal of **Climate and Development,** 12(8).
- **Ghorbani, M.,** Mehrabi, A., Azarnivand, H., Bastani, S., Jafari, M., Seeland, K. (2015). Communal Institutions for the Management of Rangeland Resources and Dairy Production in Taleghan Valley, Northern Iran. Journal of **Rangeland,** 37(2): 169-179.
- **Ghorbani, M.,** Azarnivand ,H., Mehrabi, A. A., Jafari ,M., Nayebi, H., Seeland, K. (2013). The Role of Indigenous Ecological Knowledge in Managing Rangelands Sustainably in Northern Iran. Journal of **Ecology & Society,** 18(2):1-15.
- **Ghorbani, M.,** Rasekhi, S., Mehrabi, A., Javadi., A. (2014). Social Network Analysis and Co-Management Network in Sustainable Rangeland Management in Southern Iran. Journal of **Current life sciences,** 14(9): 6948-6954.
- Naderi, M., **Ghorbani, M.,** Yavari, A. R. (2015). The Analysis of Information Exchange Network and Key Actors Insorekhe Hesar Policy Making and Management. Iranian Journal of **Earth Science Researches,** 5(20): 16-28.
- Eslamian, Z., **Ghorbani, M.,** Mesbahzade, T., Rafiee, H. (2016). Estimating participation and willingness to pay of local communities for preservation and reclamation of desert areas (Case Stuy: Abuzeidabad district of Aran Va Bidgol county). Iranian Journal of **Desert,** 21(2): 205-212.
- **Ghorbani, M.,** Bouzarjomehri, K., Avazpour L., Mansouri Z. (2017). The Efficacy of Community-Based Management Approach toward Strengthening Bridging Social Capital and Reducing Social Exclusion (Case Study: Rigan County, Kerman Province). Iranian Journal of **Research and Rural Planning,** 6(2): 157-169.

- Naseri, M., **Ghorbani, M.**, Jafari, M., Rafiee, H. (2017). An Analysis of the Impact of Socio-Economic Variables upon Local Communities' Participation in Rangeland Protection (Case study: Gomorgan Village-Malard County). Journal of **Socio-Economic Variables upon Local Communities' Participation**, 5(3): 1829-1836.
 - Rezvani, M.R., **Ghorbani, M.**, Khorasani, M.A., Moghfehi, Z. (2018). Analysis of Production Relations and Linkages of Agricultural Producers Using Social Network Analysis Method (Case Study: Pistachio Producers in Damghan County). Iranian Journal of **Research and Rural Planning**, 7(1): 1-17.
 - **Ghorbani, M.**, Salimi Kochi, J., Ebrahimi, P. (2017). Analysis of Participatory Need Measurement for Establishment of Rural Communities Based Management (Case Study: Bozijan Village, Mohallat District, Markazi Province). Journal of **Rural Research**, 7(4): 704-717.
 - **Ghorbani, M.**, Rasekhi, S., Karami, A. (2017). Analysis of Structural Characteristics of Social Capital in Society Oriented Rural Management Establishment (Aliabad Hashtsadmetri Village, Rigan District, Kerman Province). Journal of **Rural Research**, 8(2): 228-241.
- Aavazpour, L., **Ghorbani, M.**, Erfanzadeh, R., Ramezanzadeh Lasbuei, M. (2017). Measurement and resilience analysis to retrogressive trend of rangeland in natural ecosystems. Journal of **Rural Research**, 9(1): 102-115.
- **Ghorbani, M.**, Hajalizadeh, A., Heydarvand, M. (2019). An Evaluation of the Impacts of Empowerment and the Moderating Role of Self-Efficacy on the Desire to Establish Sustainable Rural Businesses. Journal of **Rural Research** 10(3): 438-451.
 - **Ghorbani, M.**, Taghipour, S. M., Khalighi Sigaroodi, S., Alambaigi, A. (2019). Measuring and Prioritizing the Dimensions of Stakeholder's Adaptive Capacity Against Climate Change – Case Study: East of Gonabad City , Khorasan Razavi Province. Iranian Journal of **Range and Watershed Management**, 72(2): 543-556.
 - Saemipour, S., Ghorbani, M., Malekian, A., Ramezanzadeh Lasbuei, M. (2020). An Investigation of Social Capital of Beneficiaries toward sustainable Rural Development (Case study: Telobine village, Mayamey county, Semnan province). Iranian Journal of **Range and Watershed Management**, 73(2): 367-377.

- **Ghorbani, M.,** Hajalizadeh, A., Heydarvand, M. (2020). Validation of livability Structures of Members of Rural Microcredit Funds, Case: Qaleh Ganj County. Iranian Journal of **Space Economy and Rural Development**, 2(32): 127-148.
- **Ghorbani, M.** (2020). An Analysis of Validation of livability constructs of the Local Communities (Case study: Ghale Ganj District). Iranian Journal of **Agricultural Economics And Development Research**, 51(2): 243-261.
- **Ghorbani, M.,** Malekian, A. (2020). An Investigation of Social Capital of Beneficiaries toward sustainable Rural Development (Case study: Telobine village, Mayamey county, Semnan province). Iranian Journal of **Range and Watershed Management**, 73(2):367-377.
- **Ghorbani, M.** (2020). An Analysis of Validation of livability constructs of the Local Communities (Case study: Ghale Ganj District). Iranian Journal of **Agricultural Economics and Development Research**, 51(2): 243-261.
- **Ghorbani, M.,** Azadi, H. (2020) A Social-Relational Approach for Analyzing Trust and Collaboration Networks as Pre-Conditions for Rangeland Co-Management. Journal of **Rangeland Ecology & Management**. In process
- **Ghorbani, M.,** Javadi S.A., Rasekhi S., Azadi, H. (2020). Bonding and Bridging Social Capital of Rural Women Communal Organization For Dairy Products Management: An Application of Social Network Analysis. Journal of **Agricultural and Environmental Ethics**. In process
- Moghfeli Z., **Ghorbani, M.,** Rezvani M.R, Khorasani M.A., Azadi, H. (2020). Analysis of Social Capital and Leadership of Iranian Rural Farming Communities: An Application of Social Network Analysis (Case Study: Damghan District, Iran). Journal of **Environmental Planning and Management**. In process
- Afkhami M., **Ghorbani, M.,** Zahraie B. (2020). The role of social network analysis measurements to improve the adaptive capacity of water resources users in rural regions of western Iran. Journal of **Agricultural Water Management**. In process
- **Ghorbani, M.,** Bagheri Fahraji, R., Yazdanparast, M., Azadi, H. (2020). The Effectiveness of Social Network Measurements in Building the Community Resilience of Iranian Rural Area Coping with Drought. Journal of **Mitigation and Adaptation Strategies for Global Change**. In process

- Rahimi, M., **Ghorbani, M.**, Azadi, H. (2020). Structural Characteristics of Governmental and Non-Governmental Institutions Network: Case of Water Governance System in Kor River Basin in Iran. Journal of **Environment, Development and Sustainability**. In process
- Ganji, N., **Ghorbani, M.**, Khosravi, H., Alam Beigi., A., Azadi, H. (2020). Validation of Farmers' Adaptation Capacity with Declining Groundwater Levels in Kazerun Plain, Iran. Journal of **Groundwater**. In process
- **Ghorbani, M.**, Azadi, H. (2020). Sustainable Co-Management of Arid Regions in Southeastern Iran: Social Network Analysis Approach. Journal of **Arid Environments**. In process
- **Ghorbani, M.**, Azadi, H., Avazpour, L. (2020). Structural Features of Social Capital in Sustainable Community Development in Southeastern Iran. Journal of **Environmental Policy & Planning**. In process

Presentation and Publication in international conferences (publication in national conferences are too long and are not listed here)

- **Ghorbani M.**, Darvishi A, Fakheran S., Soffianian A. (2013). Monitoring land use/cover changes in Arasbaran protected area The 1 th international Conference of IALE, Iran.
- **Ghorbani M.**, Darvishi A, Fakheran S., Soffianian A. (2013). Analysis of Landscape Pattern Changes in the Caucasian Black Grouse Habitat in Arasbaran Biosphere Reserve .The 1 th international Conference of IALE, Iran.
- **Ghorbani M.**, Moradi H. (2013). Social and policy networks in water governance. The 1st International Symposium on Urban Development, Iraq.
- **Ghorbani M.** (2011). Trust & collaboration network in Rangeland management in Iran. 8th conference of social network analysis. Switzerland.
- **Ghorbani M.**, Hamidian A. (2010). Investigation on Customary Management of Natural Resources in Zagros Region, a Case Study of Barzok District, Isfahan Province. The 1st International Conference on Biodiversity in Zagros Region. Iran.
- Mehrabi A.A., **Ghorbani M.** (2010). Theory construction about Priority of human factor in livestock and rangeland Equivalence. IX international Rangeland conference. Argentina.
- Farsoudan A., Mehrabi A.A., **Ghorbani M.** (2010). An investigation into demographic evolution of Taleghan region from the perspective of natural resources (Case Study: Bala Taleghan region). IX international Rangeland conference. Argentina.

- **Ghorbani M.**, Mehrabi A.A., Nazari Samani A.A., Jafari M., Zakeri R. (2010). The assessment of land-use changes and its relations to population changes (Case study: Bala Taleghan). IX international Rangeland conference. Argentina.
- **Ghorbani M.**, Mohhamadi M., Mehrabi A.A., Jafari M., Zakeri R. (2010). The detection of land-use changes using RS and GIS (Case study: Abbas Abad and Nashtarood). IX international Rangeland conference. Argentina.
- Azarnivand, H., **Ghorbani M.**, Nikkhah A., (2008). Determination of animal unit weight and daily requirement for Sangsary sheep breed. VIII international Rangeland congress. China.
- Azarnivand, H., **Ghorbani M.**, Nikkhah A., (2008). Determination of animal unit weight for Rangeland in Iran. VIII international Rangeland congress. China.
- Azarnivand H **Ghorbani M.**, Moghanizadeh M., Afzali.A (2006). Rangeland Analysis , Evaluation and Improvement in Taleghan Region , (Case study : karkabod sub – watershed). Eighth international conference on development of dry lands. China.

Membership in Professional Associations:

- Iranian Entrepreneurship and Innovation Association
- Iranian Sociological Association
- Iranian Anthropological Association
- Iranian Watershed Management Association
- Iranian Rangeland Association
- Iranian desertification Association

Employment record:

Period	Employing organization and your title/position.	Country
2013-present	<i>Faculty Member of University of Tehran</i> <i>Current position :(Associate Professor)</i>	<i>Iran</i>
2019- present	<i>The Head of Research Center of Natural Resources Governance in the University of Tehran</i>	<i>Iran</i>
2019- present	<i>The Head of the Research Institute of University of Tehran, Khaf Branch</i>	<i>Iran</i>

2013-2016	<i>The Head of Environment Sociology Task Group in Iran's Sociology Association</i>	Iran
2019- present	<i>The Executive Manager of economic and cultural development triangle project of Khaf county</i>	Iran
2019- present	<i>Employment and investment consultant of Khaf county governorate in Khorasan Razavi province</i>	Iran
2016- 2020	<i>The Executive Manager of Empowerment and Social Business Projects of Ghale-Ganj, Kerman Province, Alavi Foundation.</i>	Iran
2018-2020	<i>The Executive Manager of Empowerment and Social Business Projects of Sarpol-e-Zahab county, Kermanshah Province, Alavi Foundation.</i>	Iran
2018-2020	<i>The Executive Manager of Empowerment and Social Business Projects of Mane va Samalghan county, Khorasan Shomali Province, Alavi Foundation.</i>	Iran
2018-2020	<i>The Executive Manager of Empowerment and Social Business Projects of Larak Island in Gheshm district, Alavi Foundation.</i>	Iran
2014- present	<i>Founder and Manager of the Socio-Ecologic Systems Modeling Lab in the University of Tehran</i>	Iran
2015-2016	<i>The Advisor of Desert Department of the Forest, Range, and Watershed Management Organization of Iran</i>	Iran
2016- present	<i>Adviser of the social, economic and legal department of Water Resources Company of Iran</i>	Iran
2015-present	<i>The Advisor of Anthropology Research Center of Cultural Heritage and Tourism Organization of Iran</i>	Iran

Theses Supervisor:

- ✓ Organizational Cohesion Modeling and Network Analysis in Organizing Participatory Management of Sturgeon- **MSc.Theses-** Amin Alahyari- University of Tehran, Iran – 2012.
- ✓ Investigation of forest structure changes using social systems modeling and network analysis (Case study: Kojoor heights)- **MSc.Theses-** Elahe Alibabae- University of Tehran, Iran – 2012.

- ✓ Analysis of social networks in participatory management modeling of Sorkheh Hesar National Park- **MSc.Theses**- Mostafa Naderi- University of Tehran, Iran – 2012.
- ✓ Analysis of Stakeholder Relationships in Jajrud River Management and Policy - Latian Watershed- **MSc.Theses**- Fariba Ebrahimi- University of Tehran, Iran – 2013.
- ✓ Feasibility study of land sustainability assessment using a combination of network analysis and landscape performance analysis (Case study: Semnan province)- **MSc.Theses**- Khadigeh Rahimi- University of Tehran, Iran – 2013.
- ✓ Modeling and Analysis of Water Resources Management Network in Watershed (Case Study: Resin Watershed - Kermanshah Province)- **MSc.Theses**- Fatemeh Salari- University of Tehran, Iran – 2013.
- ✓ Analysis of Indigenous Knowledge and Social Learning Network among Rangeland Users (Lazour Village)- **MSc.Theses**- Elham Rahmani Azad- Payam Noor University, Iran – 2013.
- ✓ Capacity assessment of social and organizational networks in rangeland participatory management planning - **MSc.Theses**- Mostafa Firuz ruz –Tarbiat Modares University, Iran – 2013.
- ✓ Economic Evaluation of Carbon sequestration and the Value of Teaching Local Communities in Participatory Management (Case study: Mallard region - Tehran province)- **MSc.Theses**- Maedeh Nasri- University of Tehran, Iran – 2014.
- ✓ Prioritization of socio-economic factors in the intensity of desertification in order to attract the participation of local communities (Case study: Kashan region)- **MSc.Theses**- Zahra Islamian -University of Tehran, Iran – 2014.
- ✓ Institutional network analysis in developing a participatory land management action plan (Case study: Mallard County)-**MSc.Theses**- Maryam Shazdeh Ahmadi -Azad University Research Sciences Branch, Iran – 2014.
- ✓ Investigating the process of land use change and its relationship with the appearance of the landscape and land policy network- **MSc.Theses**- Mahsa Abdoshah Nejad -University of Tehran, Iran – 2014.
- ✓ Analysis of local stakeholder network and evaluation of ecosystem functions in participatory land management (Case study: Bajestan city - Khorasan Razavi province)- **MSc.Theses**- Negin Rezaee -University of Tehran, Iran – 2014.

- ✓ Social capital in the sustainable development of selected arid regions in South Khorasan, Iran - Scientific Potential and Practical Applications of Social Network Analysis- **MSc.Theses** -Thonig Max Richard- ETH University, Zurich and University of Tehran, Iran – 2015.
- ✓ Economic evaluation of rangeland ecosystem functions for sustainable local development (Case study: Rameh region, Aradan city, Semnan province)- **MSc.Theses**- Azad Karami - University of Tehran, Iran – 2015.
- ✓ The role of social capital in promoting resilience of local communities against forest fires- **MSc.Theses**- Marziyeh Siromi Rad -University of Tehran, Iran – 2015.
- ✓ The role of social capital in promoting the resilience of rangeland users against the regression of rangelands- **MSc.Theses**- Leila Avazpour –Tarbiat Modares University, Iran – 2015.
- ✓ The role of social capital in promoting resilience of local communities against drought- **MSc.Theses**- Hossein SaemiPour -University of Tehran, Iran – 2015.
- ✓ Landslide risk zoning and resilience of local communities in the face of it (Taleghan region)- **MSc.Theses**- Mohammad Janghorban -University of Tehran, Iran – 2015.
- ✓ Monitoring and capacity assessment of socio-ecological systems in participatory land management (Case study: Eshtehard region of Alborz province)- **MSc.Theses**- Sakineh Mohtadi -University of Tehran, Iran – 2015.
- ✓ The role of social capital in improving the adaptive capacity of local stakeholders in the face of declining groundwater aquifers- **MSc.Theses** - Homa Mousavi - University of Tehran, Iran – 2016.
- ✓ Analysis of the network of local stakeholders in order to improve the adaptation capacity of pistachio farmers (Case study: Damankooch village, Damghan city)- **MSc.Theses** – Zohreh Moghfeli - University of Tehran, Iran – 2016.
- ✓ Assessing and analyzing the adaptive capacity of rangeland users in the face of drought (Study area: Bajestan city, Khorasan Razavi province). **MSc.Theses** -Behnaz Ismaili- University of Tehran, Iran – 2016.
- ✓ Assessing the adaptive capacity of watershed dwellers in the face of climate change phenomenon (Case study: Gonabad County)- **MSc.Theses**- Mehdi Taghipour- University of Tehran, Iran – 2016.

- ✓ Development a model for optimal use of groundwater by combining environment- human systems to combat desertification- **MSc.Theses**- Najmeh Ganji- University of Tehran, Iran -2017.
- ✓ Economic Evaluation of Indigenous Knowledge and Local Initiatives for Water Resources Management (Study Area: Dasht-e Ghazir, Bandar-e Lengeh)- **MSc.Theses**- Maryam Barzegari- University of Tehran, Iran -2017.
- ✓ Assessing the vulnerability of natural environment and human societies in the face of climate change (Case study: Kermanshah province)- **MSc.Theses**- Parvin Mohamadi- University of Tehran, Iran -2017.
- ✓ Social Network Analysis and Behavioral Pattern of Stakeholders in Resolving Water Disputes (Case Study: Zayandehrud Watershed)- **MSc.Theses**- Abbas Rahdan- University of Tehran, Iran – 2018.
- ✓ Investigation and comparison of socio-economic indicators of soil and water conservation operations in rangeland ecosystems (Case Study: Mallard city, Tehran province)- **MSc.Theses**- Nafise Ruholahi- University of Tehran, Iran – 2018.
- ✓ The role of structural features of social capital in improving the adaptation capacity of local stakeholders in the face of declining groundwater aquifers- **MSc.Theses**- Niloofar Abasi Tadbiri- University of Tehran, Iran – 2018.
- ✓ Action Analysis of Stakeholder-Institution for Water Governance in Tashk Bakhtegan Lake Watershed- **MSc.Theses**- Majid Rahimi- University of Tehran, Iran – 2018.
- ✓ Analysis of Outer-group relationships in the network of organizational stakeholders in order to comprehensive management of desert areas (Study area: Arsak-Fatahabad watershed; Boshrouyeh, South Khorasan province)- **MSc.Theses**- Majid Yazdan Panah- University of Tehran, Iran – 2018.
- ✓ Prioritizing Factors Affecting Water Security Based on Socio-Hydrological Approach (Case Study: Hashtgerd Plain Watershed)- **MSc.Theses**- Ehsan Shad - University of Tehran, Iran – 2019.
- ✓ Dynamics Modeling of Land Use Change based on Human-Environment System (HES)- **MSc.Theses**- Roghayeh Shad - University of Tehran, Iran – 2019.

- ✓ Multipurpose exploitation of rangelands with emphasis on bracotourism, challenges and tasks (Case study: Taleghan Shah Alborz - Dokuheh)- **MSc.Theses**- Hossein Zamanpour - University of Tehran, Iran – 2019.
- ✓ Skills development of rangeland user - in the direction of participatory rangeland management (Study area: Talesh city, Guilan province)- **MSc.Theses**- Mohsen Javadi nejad - University of Tehran, Iran – 2019.
- ✓ Developing a sustainable model of livestock grazing management (Alborz Rangelands)- **MSc.Theses**- Afiye Badavam - University of Tehran, Iran – 2019.
- ✓ Ethnobotany and Analysis of Indigenous Ecological Knowledge Network in Sustainable Rangeland Management (Case Study: Marivan County, Kurdistan Province)- **MSc.Theses**- Marziye Habibvand Kahrizi - University of Tehran, Iran – 2019.
- ✓ Assessing the resilience of local communities in the face of floods (Case study: Maneh and Samalghan watershed)- **MSc.Theses**- Saba Moradi - University of Tehran, Iran – 2019.
- ✓ Social network analysis in rangeland participatory management policy and planning (Case study: Fars province)- **PhD Theses**- Sareh Rasekhi- Azad University Research Sciences Branch, Iran – 2013.
- ✓ Designing and explaining the factor-based model in order to manage water quarrel in Fars province- **PhD Theses**- Jamileh Salimi- University of Tehran, Iran – 2014.
- ✓ Increasing the adaptive capacity to water scarcity by using agent base modeling as a factor in the establishment of socio-hydrological systems in the context of social learning, **PhD Theses**- Maryam Afkhami- University of Tehran, Iran – 2016.
- ✓ Designing a multi-level resilience model based on social heterogeneity in climate change conditions (Case study of Nodoshan watershed in Yazd province). - **PhD Theses**- Reza Bagheri Fahraji - University of Tehran, Iran – 2017.
- ✓ Modeling and Analyzing Scenarios for Improving the Institutional Adaptation of Rangeland Operators in the Face of Drought (Case Study: Khorasan Razavi Province)- **PhD Theses**- Adeleh Khavar - University of Tehran, Iran – 2017.
- ✓ Water governance in watershed based on human ecological systems (Case study: Taleghan watershed)- **PhD Theses** -Fariba Ebrahimi- University of Tehran, Iran – 2018.

- ✓ Scenario making for sustainable tourism through resilience assessment of socio-ecological systems (Sample study: Fereydunkenar International Wetlands)- **PhD Theses** – Sedigheh Baba Zadeh- University of Tehran, Iran – 2018.
- ✓ Agent-based Simulation of Human-Environment Interactions in Desert Ecosystem Based on Sustainable Agriculture - **PhD Theses** - Fatemeh Narmashiri- University of Tehran, Iran – 2018.
- ✓ Prioritizing sustainable business plans to empowerment rangeland users- **PhD Theses** - Leila Avazpour- University of Tehran, Iran – 2018.
- ✓ Water Security Dynamic Simulator: A multi-agent system model for simulating dynamics of human-environment system (HES) (Case Study: Neyshabur Plain Watershed)- **PhD Theses**- Maryam Yazdanparast - University of Tehran, Iran – 2019.
- ✓ Simulation of socio-economic and ecological effects of Khaf mins developing: application of an agent-based model- **PhD Theses**- Sajad Amiri - University of Tehran, Iran – 2020.