



NAME & SURNAME: Mohsen Soleymani (Formerly: Mohsen Ghadiryanfar)

DATE OF BIRTH: 1983

 **ADDRESS, SUBURB, STATE, POSTAL CODE:** Department of Biosystem Engineering, Faculty of Agriculture, Shahid Chamran University of Ahvaz, 61357-8315, Iran

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PROFESSIONAL PROFILE:

Assistant Professor of Agricultural Mechanization Engineering in Shahid Chamran University (SCU) of Ahvaz.

EDUCATION BACKGROUND:

Ph.D.: Agricultural Mechanization Engineering (2014), Agricultural Mechanization Engineering (2009), University College of Agriculture and Natural Resources, Tehran University, Karaj, Iran

Thesis Title:

“Life cycle assessment of ethanol from cane molasses (analysis of full chain energy and environmental impacts) in Iran”

M.Sc.: Agricultural Mechanization Engineering (2009), University College of Agriculture and Natural Resources, Tehran University, Karaj, Iran

Dissertation Title:

“Investigation of Distribution of Power Generator Machines (Tractor, Combine and Tiller) in Iran Agriculture”

B.Sc.: Agricultural Machinery Engineering (2006), Faculty of Agriculture, Isfahan University of Technology, Isfahan, Iran

TEACHING AND TRAINING EXPERINCE:

Undergraduate Courses:

- Farm Machineries
- Application of Hydraulic Systems

Graduate Courses:

- Energy and Environment
- Energy and Environment
- Sustainability Engineering
- Design and Analysis of Engineering Experiments
- Biogas Technology
- Bioenergy Crops
- Energy Production from non-Fossil Resources
- Advanced Statistics

HONOURS AND AWARDS:

- Achieving the first rank of the entrance exam for Ph.D. degree, University of Tehran, Department of agricultural machinery, Karaj, Iran (2009).
- Achieving the 3rd rank in national university entrance exam for M.Sc. among Agricultural Mechanization students in Iran, (2007).

INTERESTS AND RESEARCH FIELDS:

- Resources Use Management in Agriculture
- Agricultural Waste Management
- Life Cycle Assessment
- Sustainability in Agriculture
- Renewable Energies

RESEARCH ACTIVITIES:

PUBLICATIONS:

1. Asakereh, A., Ghadiryanfar, M., Sheikhdavoodi, M.J., 2016a. The Feasibility of Electricity Production by Using Rooftop Solar Panels in Rural Areas of Khuzestan Province. Geogr. Dev. Iran. J. 43, 113–132.
2. Asakereh, A., Soleymani, M., Sheikhdavoodi, M.J., 2017. A GIS-based Fuzzy-AHP method for the evaluation of solar farms locations: Case study in Khuzestan province, Iran. Sol. Energy 155, 342–353. <https://doi.org/10.1016/j.solener.2017.05.075>.

3. Asakereh, A., Soleymani, M., Sheikhdavoodi, M.J., 2016b. Investigating the potential of solar power generation in order to increase energy security, Case Study, Ahvaz County. *J. Energy Plan. Policy Res.* 4, 105–142.
4. Ghadiryanfar, M, Keyhani, A., Akram, A., Rafiee, S., 2009a. Investigating the cost of wheat production in Iran and the effect of combine availability on harvesting cost XI, 1–9.
5. Ghadiryanfar, M, Keyhani, A., Akram, A., Rafiee, S., 2009b. A pattern for power distribution based on tractor demand in Iran. *Agric. Eng. Int. CIGR J.* XI, 1–9.
6. Ghadiryanfar, M., Keyhani, A., Akram, A., Rafiee, S., 2009. The effect of tractor supply in Iran agriculture from a macro plan point of view. *Res. Agric. Eng.* 55, 121–127.
7. Ghadiryanfar, Mohsen, Rosentrater, K.A., Keyhani, A., Omid, M., 2016. A review of macroalgae production, with potential applications in biofuels and bioenergy. *Renew. Sustain. Energy Rev.* 54, 473–481. <https://doi.org/https://doi.org/10.1016/j.rser.2015.10.022>.
8. Ghadiryanfar, M., Rosentrater, K.A., Keyhani, A., Omid, M., 2016. A review of macroalgae production, with potential applications in biofuels and bioenergy. *Renew. Sustain. Energy Rev.* 54. <https://doi.org/10.1016/j.rser.2015.10.022>.
9. Jahangiri Boltaghi, V., Soleymani, M., Sheikhdavoodi, M.J., Mahdavifar, Z., 2020. Studying three type of laboratory anaerobic digester for studying factors affecting biogas production. *Journal of Researches in Mechanics of Agricultural Machinery.* 9, 123–133.
10. Mohsen Ghadiryanfar, Alireza Keyhani, Mahmood Omid, (2014). Full chain of energy in ethanol production from sugar cane molasses in Iran, *Iranian Journal of Biosystems Engineering*, 44(2), 135-142. magiran.com/p1261436.
11. Nouri, N., Asakereh, A., Soleymani, M. (2021). Investigating the Interaction Effects of Inoculation and Temperature on Biogas Production from Dairy Industry Effluent in Anaerobic Digestion Process. *Iranian Journal of Biosystems Engineering*, 52(1), 79-93. doi: 10.22059/ijbse.2020.300948.665297.
12. Safieddin Ardebili, S.M., Asakereh, A., Soleymani, M., 2020. An analysis of renewable electricity generation potential from municipal solid waste: a case study (Khuzestan Province, Iran). *Biomass Convers. Biorefinery.* <https://doi.org/10.1007/s13399-020-01011-6>.
13. Shirvani, M., Zakki Dizaji, H., Soleymani, M., 2020. Investigation of environmental effects and energy consumption in sugar beet production and crop yield forecasting using ANN and ANFIS models in Chaharmahal and Bakhtiari province. *J. Res. Mech. Agric. Mach.* 9, 107–118.
14. Soleymani, M., Asakereh, A., Mohammad, S., Ardebili, S., n.d. Waste Management Integrating fuzzy multi-criteria method and GIS for locating municipal waste landfill in. Soleymani, M., Keyhani, A., Omid, M., 2017. Life cycle assessment of sugarcane molasses ethanol in Iran. *Agric. Eng.* (Scientific J. Agric. 40, 13–27.
15. Soleymani, M., & Rosentrater, K. A. (2017). Techno-Economic Analysis of Biofuel Production from Macroalgae (Seaweed). *Bioengineering* (Basel, Switzerland), 4(4), 92. <https://doi.org/10.3390/bioengineering4040092>.

LANGUAGES:

Curriculum Vitae



PERSIAN: Native
ENGLISH: Good
TURKISH: Native