## PERSONAL INFORMATION:

**Full Name:** Hossein Kazemi

**Nationality:** Iranian

**Academic Level:** Associate Prof.

**Cell:** +98 0 911 230 1469

**E-mail:** hkazemi@gau.ac.ir , hossein_k_p@yahoo.com

## EDUCATION:

Ph.D. in Agronomy (Agroecology), Tarbiat Modares University (TMU), Tehran, Iran; 2008-2012

M.Sc. in Agronomy, Mazandaran University, Sari, Mazandaran Province, Iran; 2004-2006

B.Sc. in Agronomy and Plant Breeding, Islamic Azad University of Rasht Branch, Guilan Province, Iran; 2000-2004

## RESEARCH INTEREST:

Sustainable agriculture

Agroecosystems assessment

Ecosystem services assessment

Assessment of agriculture effects on environment

GIS and RS applications in agronomy

Landscape ecology

## PUBLICATION:

32- Daylam, F., **Kazemi, H.,** Kamkar, B. 2023. Modelling organic farming suitability by spatial indicators. **NJAS: Impact in Agricultural and Life Sciences.** 95(1):82-115. (Supervisor, corresponding author)

31-Mirzad, M.Z., **Kazemi, H.,** Sheikh, F., Klug, H., Gherekhloo, J. 2023. Assessment and quantification of some short term ecosystem services in garden pea agroecosystem. **Journal of Cleaner Production**. (Supervisor, corresponding author) (revised)

30-Koozehgar, M., **Kazemi, H.,** Kamkar, B., Amirnejad, H., Hosseinalizadeh, M. 2023. Evaluation, quantification, and mapping of ecosystem services in canola agroecosystems. **Landscape and Ecological Engineering. doi.org/10.1007/s11355-023-00552-y** (Supervisor, corresponding author)

29-Bakhshandeh, S., **Kazemi, H.,** Kamkar, B. 2022. Simulation carbon sequestration, stock and content changes in soybean croplands. **Australasian Journal of Environmental Management**. (Supervisor, corresponding author) (under review)

28- **Kazemi, H.,** Fürst, C. 2022. Obstacles and opportunities to implement the IPBES Framework in Iran. **Ecosystem Services**.58(101496):1-9. (Corresponding author)

27- Abshenas, M., Kamkar, B., Soltani, A., **Kazemi, H.** 2022. Predicting the effects of climate change on physiological parameters determining wheat yield in 2050 (case study: Golestan Province, Iran). **Environmental Monitoring and Assessment.** 194 (10): 1-16.

26- Shahhoseini, H., **Kazemi, H.** 2022. Evaluation of sustainability of rainfed rapeseed production in Gorgan county using Emergy analysis. **Agriculture, Environment & Society**. 2(1): 61-70.

25- Bazkiaee, P.A., Kamkar, B., Amiri, E., **H. Kazemi,** M. Rezaei, A. López-Bernal. 2022. The rice yield gap estimation using integrated system approaches: a case study—Guilan province, Iran. **International Journal of Environmental Science and Technology**. 1-14. https://doi.org/10.1007/s13762-022-04093-z.

24- Shahhoseini, H., Ramroudi, M., **Kazemi, H.** 2022. Emergy analysis for sustainability assessment of potato agroecosystems (case study: Golestan province, Iran). **Environment, Development and Sustainability.** 1-26. https://doi.org/10.1007/s10668-022-02309-3. (Corresponding author)

23-Delavaran, H., **Kazemi, H.,** Kamkar, B., Gherekhloo, J. 2022. Development of a new model for health assessment in agroecosystems. **Environmental Monitoring and Assessment.** 194:1-19. (Supervisor, corresponding author)

22- Shahhoseini, H. R., Ramroudi, M., **Kazemi**, **H.,** Amiri, Z. 2022. Sustainability assessment of autumn and spring potato production systems using extended exergy analysis (EEA). **Energy, Ecology and Environment**. 5(6):1-12

21- Moushania S., **Kazemi, H.**, Klug, H., Asadi, M.E., Soltani, A. 2021. Ecosystem service mapping in soybean agroecosystems. **Ecological Indicators**. 121.1-12. (Supervisor, corresponding author)

20- Zolfaghary, P., Zakerinia, M., **Kazemi, H.** 2021. A model for the use of urban treated wastewater in agriculture using multiple criteria decision making (MCDM) and geographic information system (GIS). **Agricultural Water Management.** 243.1-11.

19-**Kazemi, H.**, Zardari, S. 2020. Energy analysis and greenhouse gas (GHG) emission from strawberry production under two irrigation systems. **Walailak Journal of Science and Technology**.17(1):1-10. (Corresponding author)

18**- Kazemi**, **H.,** Akinci, H. 2018. A land use suitability model for rainfed farming by Multi-criteria Decision making Analysis (MCDA) and Geographic Information System (GIS). **Ecological Engineering**, 116:1-6. (Corresponding author)

17- **Kazemi, H**., Klug, H., Kamkar, B. 2018. New services and roles of biodiversity in modern agroecosystems: A review. **Ecological Indicators**. 93:1126-1135. (Corresponding author)

16- **Kazemi, H**. Shorkgozar, M., Kamkar, B., and Soltani, A. 2018. Analysis of cotton production by energy indicators in two different climatic regions. **Journal of Cleaner Production**. 190:729-736. (Corresponding author)

15- Maleki, F., **Kazemi**, **H**., Siahmarguee, A., Kamkar, B, 2017. Development of a land use suitability model for saffron (*Crocus sativus* L.) cultivation by multi-criteria evaluation and spatial analysis. **Ecological Engineering**, 106:140-153. (Supervisor, corresponding author)

14-Nasrollahi, N., **Kazemi, H.**, Kamkar, B. 2017. Feasibility of ley-farming system performance in a semi-arid region using spatial analysis. **Ecological Indicators**.72:239-248. (Supervisor, corresponding author)

13-Alimagham, S.M., Soltani, A., Zeinali, E., **Kazemi, H**. 2017. Energy flow analysis and estimation of greenhouse gases (GHG) emissions in different scenarios of soybean production (Case study: Gorgan region, Iran). **Journal of Cleaner Production**.149:628-621. (Corresponding author)

12-**Kazemi H.,** Sadeghi, S., Akinci, H. 2016. GIS-based land suitability assessment for faba bean cultivation in Gonbad-Kavoos township, Iran. **Ecological Indicators**.63,37-47. (Corresponding author)

11-**Kazemi, H**. 2016. Energy balance in modern agroecosystems; why and how?. **Agricultural Research & Technology: Open Access Journal**. 1(5):1-4.

10**- Kazemi, H.**, Hassanpour Bourkheili, S., Kamkar, B. Soltani, A., Gharanjic K., Nazari, N. M., 2016. Estimation of greenhouse gas (GHG) emission and energy use efficiency (EUE) analysis in rainfed canola production (Case study: Golestan province, Iran). **Energy,** 116:964-970. **(**Corresponding author)

9- **Kazemi H.,** Shahbyki, M., Baghbani, S. 2015. Energy analysis for faba bean production: A case study in Golestan province, Iran. **Journal of Sustainable Production and Consumption**. 3:15-20. **(**Corresponding author)

8-**Kazemi, H.**, Tahmasebi Sarvestani, Z., Kamkar, B., Shataei, S., Sadegh, S. 2015. Ecological zoning for wheat production in Golestan province (north of Iran) using Geographical Information System. **Advanced Journal of Agriculture and Plant Science**. 2(1):1-7. (Corresponding author)

7-**Kazemi, H.**, Kamkar, B., Lakzaei, Badsar, M., Shahbeygi, M. 2015. Energy flow analysis for rice production in different geographical regions of Iran. **Energy**. 48: 390-396. (Corresponding author)

6-Aghaalikhani, M., **Kazemi, H.,** Habibzadeh, F. 2013. Energy use of rice production in Iran: A case study Mazandaran province. **Energy Management and Conservation**. 69:156-162.

5-**Kazemi, H.** Tahmasebi Sarvestani, Z., Kamkar, B., Shataei, S., Sadeghi, S. 2012. Comparison of interpolation methods for estimating pH and EC in agricultural fields of Golestan province (north of Iran). **International Journal of Agriculture and Crop Sciences**. 4(4): 157-167. **(**Corresponding author)

4-Bahmanyar, M. A., **Kazemi, H.** 2010. Influence of nitrogen and Sulphur on yield and seed quality of three canola (*Brassica napus* L.) cultivars. **Journal of Plant Nutrition**. 33:953–965. **(**Corresponding author)

3-**Kazemi, H.,** Pirdashti H., Nasiri, M., Bahmanyar, M. A. 2007.Chlorophyll content and biological yield in response to different urea fertilizer applications and top dressing in modern and old rice cultivars. **Asian Journal Plant Science**.6 (1):177-180.

2-**Kazemi, H**., Pirdashti, H. Bahmanyar, M. A., Akhgari, H. 2007. Effect of rate and application forms of zinc on some agronomy traits of bean (*Phaseolus vulgaris* L.). **The India Journal of Crop Science**. 2(1):149-151.

1-**Kazemi, H**., Pirdashti H., Bahmanyar M. A., Nasiri M. 2006. Investigation the Sink characteristics of contrast rice (*Oryza sativa* L.) cultivars under different nitrogen applications. **The India Journal of Crop Science**. 1(1-2) 88-92.

## ACADEMIC TEACHING EXPERIENCE:

| | |
|---|---|
| Ecosystem services and functions | Ph.D. |
| Biodiversity in agricultural systems | Ph.D. |
| Sustainable management of agroecosystems | M.Sc. |
| Landscape ecology | M.Sc. |
| Remote sensing and GIS | M.Sc. |
| Ecology of agricultural systems | M.Sc. |
| Fundamental of sustainable agriculture | B.Sc. |
| Ecology | B.Sc. |
| Organic farming | B.Sc. |
| Pulses production | B.Sc. |

## SERVICE AND PEROFESSIONAL MEMBERSHIP:

### Service to International Journals

11. **Associate editor** and **editorial board member** of " **Scientia Agricola** " the scientific journal of University of São Paulo, Brazil. (**IF: 2.137**), January 2023 –Continue

10. **Editorial board member** of **"Journal of Ecosystem Health and Sustainability**", the scientific international journal of Taylor and Francis Publishing Co. (**IF: 4.971**), November 2021 –Continue

9. **Associate editor** of "**International Journal of Plant Production** ", the scientific journal of Springer Publishers Co. (**IF: 2.609**), November 2020 – November 2022.

8. **Editorial board member** of "**Journal of Plant Research"**, the scientific international journal of Springer Publishing Co. (**IF: 3.000**), 2020 –Continue

7. **Editorial board member** of "**Landscape and Ecological Engineering"**, the scientific international journal of Springer Publishing Co. (**IF: 2.147**), 2019 –Continue

6. **Editorial board member** and **associate editor** of "**Biodiversity and Conservation"**, the scientific international journal of Springer Publishing Co. (**IF: 4.296**), 2019 –Continue

5. **Editorial board member** of "**Land Reclamation, Earth Observation & Surveying, Environmental Engineering"**, the scientific international journal of University of Agronomic Sciences and Veterinary Medicine of Bucharest, 2020 –Continue

4. **Editorial board member** of "**Research in Ecology"**, the scientific journal of Bilingual Publishing Co, Singapore. 2019 –Continue

3. **Associate editor** of " **Agricultural Research & Technology: Open Access Journal** ", the scientific journal of Juniper Publishers, UAS. 1 May 2016 –Continue

2. **Associate editor** of "**Journal of Plant Production Researches**", the scientific journal of Gorgan University of Agricultural Sciences and Natural Resources (GUASNR), Iran. March 2014 –March 2018. (Persian journal with English abstract).

1. **Associate editor** of "**Electronic Journal of Crop Production**", the scientific journal of Gorgan University of Agricultural Sciences and Natural Resources (GUASNR), Iran. January 2010 – January 2013. (Persian journal with English abstract).

## Service to International Conferences

10. **Member of International Scientific Committee** "International Conference of "Agriculture for Life, Life for Agriculture". 3-5 June, 2022. University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania.

9. **Member of International Scientific Committee** "International Conference on Agritourism and Sustainable Development", 15-16 April 2021, Tokyo, Japan.

8. **Member of International Scientific Committee** "3rd International Symposium on Biodiversity Research", 20-22 October 2021, Ekim, Turkey.

7. **Member of International Scientific Committee** "International Conference on Ecosystem Ecology and Research" 19-20 July, 2021, Copenhagen, Denmark.

6. **Member of International Scientific Committee"** International Conference on Agricultural Ecosystem Services and Natural Resource-Management", 27-28 December, 2021, Vienna, Austria.

5. **Member of International Scientific Committee "**2nd International Symposium on Biodiversity Research", 25-27 June 2020, Rize, Turkey.

4. **Member of International Scientific Committee**: "4th International Conference and Expo on Agricultural and Horticulture", August 1-10, 2020, Atlanta, USA.

3. **Leader and Member of International Scientific Committee:** International Conference on Agroecosystems Assessment Using Spatial Analysis Techniques, as a part of the 6th Annual International Conference on Geography, June 1-4, 2020, Athens, Greece.

2. **Member of International Scientific Committee**: "International Conference and Agricultural and Horticulture", November 18-20, 2019, Rome, Italy.

1. **Member of International Scientific Committee:** 2015 International Conference on Energy and Environmental Systems Engineering, May 17-18, 2015, Beijing, China.

## Membership in scientific association

1. International Association for Agricultural Sustainability
2. Iranian Crop Science Society
3. Young Ecosystem Services Specialists network (YESS)

## AWARDS:

**12.Top downloaded open access article** with Elsevier between 2019–2021 (Title: "Ecosystem service mapping in soybean agroecosystems", in "Ecological Indicators Journal"), linked to the United Nations (UN) Sustainable Development Goals (SDGs), International Open Access Week **2022**, Elsevier.

**11.Recipient of Fund** from Erasmus Mobility Program for participation in the 3rd International Week of Uşak University. Uşak, Turkey, **2022**.

**10.Best researcher** of Gorgan University of Agricultural Sciences and Natural Resources in year **2021**.

**9.Best reviewer** of Journal of Research in Ecology, **2020.**

**8.Best researcher** of Gorgan University of Agricultural Sciences and Natural Resources in year **2019.**

**7.Best scientific staff member** in agricultural entrepreneurship theme, Gorgan University of Agricultural Sciences and Natural Resources, **2017.**

**6.Best researcher** in translation of scientific books to Persian theme, Gorgan University of Agricultural Sciences and Natural Resources, **2016.**

**5.Ranked first** of the top ideas festival of Golestan province, Iran, **2015.**

**4.Winner of the best young researcher prize** of Guilan province, Iran, **2010.**

**3.Recipient of Scholarship** from Gorgan University of Agricultural Sciences and Natural Resources (GUASNR), **2008-2012.**

**2.Best Iranian M.Sc. student** in year **2006.**

**1.Ranked first** among all M.Sc. student of agronomy (Classmates), Mazandaran University**, 2006**

**LANGUAGES:** Persian and English