



#### **PERSONAL INFORMATION:**

**Full Name:** Asieh Siahmarguee

**Nationality:** Iranian

**Academic Level:** Associate Prof.

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#### **EDUCATION:**

**B.Sc.** in Agronomy and Plant Breeding, Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran; 1998-2002.

**M.Sc.** in Weed Science, Ferdowsi University of Mashhad, Mashhad, Iran; 2002-2004.  
Thesis title:” Evaluating the spatial distribution patterns of weeds in sugar beet-sugar beet, sugar beet-forage barley and fallow- forage barley rotations “

**Ph.D.** in Weed Science, Ferdowsi University of Mashhad, Mashhad, Iran; 2006-2010.  
Thesis title:” Investigating the effect of different integrated management methods on the seed bank and ecological characteristics of diversity and light use efficiency of weeds and sugar beet “

#### **RESEARCH INTEREST:**

**Ecology of weeds and invasive weed**

**Soil seed bank**

**Integrated Weed management**

**Cover crops**

**Weed Population**

## PUBLICATION:

1. **Siahmarguee, A.**, Rashed Mohasel, M.H., Banayan, M. and Kharaghani, F. 2004. The Effect of Three crop rotation systems on diversity and dispersal of weed seedbank communities. *Iranian Field Crops Research*. 1(2):257-270.
2. Rashed Mohasel, M.H., **Siahmarguee, A.**, Nasiri Mahallati, N., Kharaghani, F., and Ashrafi, A. 2005. The effect of crop rotation on composition, density and distribution of weed seedling. *Agricultural Sciences and Technology*. 19(2):137-146.
3. **Siahmarguee, A.**, Rashed Mohasel, M.H., Nasiri Mahallati, M., Banayan, M., and Rahimiyan Mashhadi, H. 2006. Evaluation of spatial variation of weeds and their response to imposed management in sugar beet field in Mashhad. *Journal of Crop production and processing*. 10 (3): 361-374.
4. **Siahmarguee, A.**, Rashed Mohasel, M.H., Nasiri Mahallati, N., and Mohammadabadi, A.A., 2007. Evaluation of conventional management of fallow-forage barley and sugarbeet-forage barley rotations and its effect on density and distribution of different species of weeds. *Journal of Science and Technology of Agriculture and Natural Resources*. 11(41): 165-174.
5. Koocheki, A., Nasiri Mahallati, M., **Siahmarguee, A.**, Gherekhloo, J., Rastgoo, M., and Ghaemi, A. 2008. Effect of different integrated weed management methods on weed density and yield of sugar beet crop. *Iranian Journal of Field Crop Research*. 6(2):383-394.
6. Latifi, N., **Siahmarguee, A.**, Akramghaderi, F., and Yonesabadi, M. 2009. Effects of tillage systems on weeds population dynamics in cotton (*Gossypium hirsutum* L.) followed by rapeseed (*Brassica napus*). *Iranian Journal of Field Crops Research*. 7(1): 195-203.
7. Nasiri Mahallati, M., Koocheki, A. and **Siahmarguee, A.** 2009. Modelling seed bank dynamics of wild oat (*Avena fatua*) in wheat fields. *Iranian Journal of Field Crops Research*. 7(1): 281-293.
8. Rezvani Moghadam, P., Ghorbani, R., Koocheki, A., Alimoradi, L., Azizi, G., **Siahmarguee, A.** 2009. Evaluation of pesticide residue in agricultural products: A case study on Diazinon residue rate in Tomato (*Solanum lycopersicum*), Cucumber (*Cucumis Sativus*) and Melon (*Cucumis melo*). *Environmental Sciences*. 6(3):63-72.
9. Nezami, A., Azizi, G., **Siahmarguee, A.**, and Mohammadabadi, A.A. 2010. Effect of Freezing Stress on Electrolyte Leakage of Fennel (*Foeniculum vulgare*). *Iranian Journal of Field Crop Research*. 8(4): 587-593.

10. **Siahmarguee, A.**, Koocheki, A. and Nasiri Mahallati, 2010. Effect of different integrated weed management methods on weed characteristics and yield of sugar beet. *Journal of Crop Production*. 3: 49-71.
11. Azizi, G., Alimoradi, L., and **Siahmarguee, A.** 2010. Evaluation of Allelopathic Effects of Fenugreek Extract on Germination and Growth of Some Crop and Weed Species. *Journal of Plant Protection*. 24 (3), 30.
12. Koocheki, A., **Siahmarguee, A.**, Azizi, G., and Jahani, M. 2011. The effect of high density and depth of planting on agronomic characteristic of Saffron (*Crocus sativus* L.) and corms behavior. *Journal of Agroecology*. 3(1):36-49.
13. Azizi, G., Jahani Kondori, M., **Siahmarguee, A.**, and Alimoradi, L. 2011. Bioassay study of fenugreek extract's allelopathic effects on the germination and growth of several crops and weeds. *Journal of Plant Breeding and Crop Science*, 3(10): 229-239.
14. **Siahmarguee, A.**, Koocheki, A., Nasiri Mahallati, M., and Mahghani, S. 2011. Effect of integrated weed management systems on seed bank of weeds grown in sugar beet (*Beta vulgaris* L.). *Journal of Agroecology*. 3(2):151-162.
15. Koocheki, A., Nasiri Mahallati, M., Azizi, G., and **Siahmarguee, A.** 2011. Investigation of the effect of nutrient resources and weed control on qualitative and quantitative criteria of *Teucrium polium*. *Journal of Horticultural Science*. 25(3): 267-280.
16. Azizi, G., Alimoradi, L., Jahani Kondori, M., and **Siahmarguee, A.** 2013. Evaluation of allelopathic effects of Saffron extract on germination and early growth of *Gypsophylla pilosa* and *Rapistrum rugosum*. *Journal of Plant Environmental Physiology*. 8(230):1-12.
17. **Siahmarguee, A.**, Koocheki, A., Nasiri Mahallati, M., and Khoramdel. 2013. Effect of different methods of the integrated weed management on radiation use efficiency of sugar beet (*Beta vulgaris*) and different species of weeds in Mashhad condition. *Journal of Applied Reserch of Plant Ecophysiology*. 1(1): 51-70.
18. Nekahi, M.Z., Soltani, A., **Siahmarguee, A.**, and Bagherani, N. 2014. Factors affecting the population density of weeds and yield loss of them in wheat: a case study in Golestan province–Bandargaz. *Journal of Agroecology*. 6 (2): 393-405.
19. Nekahi, M.Z., Soltani, A., **Siahmarguee, A.**, and Bagherani, N. 2014. Yield gap associated with crop management in wheat (Case study: Golestan province-Bandar-gaz). 7(2): 135-156. *Journal of Crop Production*. 7(2): 135-156.

20. Koocheki, A., Azizi, E., **Siahmarguee, A.**, and Jahani, M. 2014. Investigation the effects of soil texture and density on corm characteristics and flower yield of Saffron (*Crocus sativus* L.). *Journal of Agroecology*. 6 (3), 453-466
21. Kiyankakht, M., Zeinali, E., **Siahmarguee, A.**, Sheikh, F. and Pouri, G.M. 2015. Effect of sowing date on grain yield and yield components and green pod yield of three faba bean cultivars in Gorgan climatic conditions. *Journal of Crop Production*. 8(1): 99-119.
22. Avarseji, Z., Rashed Mohasel, M.H., Nezami, A., and **Siahmarguee, A.** 2015. Investigation of the possibility of increasing efficiency of Pinoxaden and Clodinafop by different application methods of these herbicides on *Avena ludoviciana* and *phalaris minor*. *Journal of Plant Protection Research*. 22 (3), 243-260.
23. Kiyani, A., **Siahmarguee, A.**, and Soltani, E. 2015. Effects of Temperature, Salinity, and Planting Depth on Seed Germination and Emergence of Tall Morningglory (*Ipomoea* spp). *Journal of Plant Protection*. 29 (3), 437-448
24. Basiri, M., Mosavinik, S.M. Siahmarguee, A., and Sabagh, S.K. 2017. The reaction of grain yield and yield components of wheat (*Triticum aestivum* L.) varieties in competition with Japanese brome (*Bromus japonicus* L.) in Sistan region. *Cereal Research*. 5(4): 371-385
25. Atarod, E., **Siahmarguee, A.**, and Alimi, M. 2015. Investigating the effects of yarrow (*Achillea millefolium* L) and lemon Beebrush (*Lippia citriodora* Kunth) on germination indicators of several weed species. *Journal of Weed Ecology*. 3(2):115-126.
26. Shirdel, M., **Siahmarguee, A.**, and Yonesabadi, M. 2016. The Effect of Temperature and Water Potential on Seed Germination of Asian spiderflower (*Cleome viscosa* L.): As Invasive Weed in Soybean Fields in Golestan Province. *Iranian Plant Protection Research*. 30(2): 292-303.
27. **Siahmarguee, A.**, Nazariyan, Z., and Ghaderifar, F. 2016. Germination response study of tall morningglory (*Ipomoea purpurea* (L.) Roth.), an invasive weed, to temperature and water potential. *Iranian Weed Research*. 8(1):59-71.
28. Gorgani, M., **Siahmarguee, A.**, Ghaderifar, F., and Gherekhloo, J. 2016. Locating areas prone to infection with Ivy-leaved morning glory (*Ipomoea hederaceae* Jacq) in germination stage: a new entrant's weed in arable lands of Golestan Province. *Iranian weed Research*. 8(2): 35-51.
29. Basiri, M., Mosavinik, S.M., **Siahmarguee, A.**, and Sabagh, S.K. 2016. Estimation of cardinal temperatures and thermal time requirement for *Bromus japonicus* seed germination. *Iranian Weed Research*. 8(1): 13-26.

30. Avarseji, Z., Nezami, A., Oroji, K., Mohamadvand, E., and **Siahmarguee, A.** 2016. Evaluation of the intergration of different clodinafop propargyl applications and wheat (*Triticum aestivum* L.) density in wild oat (*Avena ludoviciana*) control. Journal of Crop Production. 9(3): 177-189.
31. **Siahmarguee, A.**, Kazemi, H., and Emdadi, Z. 2017. Estimation of weed seed bank storage of Bandar-Gaz Citrus orchards and prepare distribution maps using Geographic Information System (GIS). Plant Ecophysiology. 8(30): 168-180.
32. Basiri, M., Mosavinik, S.M. **Siahmarguee, A.**, and Sabagh, S.K. 2017. Evaluation empirical models of competitiv ability of four wheat varieties to Japanese borom (*Bromus japonicus* L). Journal of Crop Protection. 10 (2), 29-43.
33. Momen-Yesaghi, R., **Siahmarguee, A.**, Zeinali, E., Ghaderifar, F., and Kamkar, B. 2017. The study of weed population and seed bank dynamic and soybean yield under different tillage methods. Journal of Agroecology. 9 (3): 575-592.
34. Sohrabi-Rad, E.M., **Siahmarguee, A.**, Kazemi, H., and Ghaderifar, F. 2017. Influence of crop management practices and soil characteristics on weed population and soil seed bank in soybean fields. Journal of Agroecology. 7 (1):155-172.
35. Nezhad Hassan, B., **Siahmarguee, A.**, Zeinali, E., Ghaderifar, F., Soltani, E. 2017. Studying the response of seed germination of neglected plant Arugula (*Eruca sativa* Mill.) to some environmental factors. Journal of Plant Production. 24(2): 77-91.
36. NezhadHassan, B., **Siahmarguee, A.**, Zeinali, E., Ghaderifar, F., Soltani, E. 2017. Evaluation of nonlinear regression models to description germination rate of Arugula (*Eruca sativa* Mill.) to temperature and water potential, Iranian Journal of Seed Science and Research. 4 (2): 1-16.
37. **Siahmarguee, A.**, Torabi, B., Sohrabi Rad, E.M., and Alimagham S.M. 2018. Effect of weeds and management factors on soybean yield gap in Kalaleh region. Crops Improvement (Journal of Agricultural Crops Production). 20 (2): 563-576.
38. Tatari, S., J Gherekhloo, J., **Siahmarguee, A.**, and Kazemi, H. 2018. Identification of resistant *Avena ludoviciana* Dur accessions to ACCase inhibitor herbicides in Gonbad-E Kavus wheat fields and mapping their distribution. Plant Productions. 41 (2):103-116.
39. **Siahmarguee, A.**, Kazemi, H., and Kamkar, B. 2018. The feasibility of some invasive weeds presence in Golestan province. Plant Production. 25(3): 141-157.
40. Emami-Kangar, D., **Siahmarguee, A.**, Kamkar, B., and Basiri, M. 2019. Study of soybean competitive ability under interference conditions with different densities of

Asian spider flower (*Cleome viscosa* L.): invasive weed in Golestan province. Journal of Plant Protection. 32 (4): 579-592.

41. Heravi, M., J Gherekhloo, J., **Siahmarguee, A.**, Kazemi, H., and Hasanpour, S. 2018. Investigating the resistance of wild mustard (*Sinapis arvenensis* L.) biotypes to tribenuron methyl herbicide in wheat fields of Ramiyan Township. Weed Research Journal. 10(1): 46-59.
42. Khojamli, R., **Siahmarguee, A.**, Zeinali, E., and Soltani, A. 2018. Effect of different winter cover crops on the dynamics of weed populations and corn growth (Single 704). Journal of Agroecology. 11(2): 635-654.
43. Maleki, F., Kazemi, H., **Siahmarguee, A.**, and Kamkar, B. 2019. Evaluation of Saffron Cultivation Development in Azadshahr Township (Golestan Province) with Emphasis on Climatic Parameters. Journal of Saffron Reserch, 7(1): 123-143.
44. Basiri, M., Mosavinik, S.M., Sabagh, S.K., Naderi, D., **Siahmarguee, A.**, and Mostafavi, KH. 2019. Identification of dehydration-responsive element binding transcription factor gene in Bromus japonicus under salinity stress. Weed Reserch Journal. 11(1): 35-50.
45. Tolloo Hafezian Awal, M., Sadeghipour, H.R., **Siahmarguee, A.**, Fadaee, F., and Torabi, B. 2019. Determination of seed dormancy of *Silybum marianum* L. Gaertn. seeds : Effects of after ripening and gibberellic acid treatments at different temperatures. Journal of Crop Production. 12(2): 171-186.
46. Heravi, M., Gherekhloo, J., **Siahmarguee, A.**, Kazemi, H., and Hasanpour, S. 2020. Investigating the Resistance of Winter Wild Oat Biotypes to ACCase Inhibitor Herbicide in Wheat Fields of Ramian County. Iranian Plant Protection Research. 34(3): 385-399.
47. Aghpour ghaboos, M., **Siahmarguee, A.**, Zeinali, E., Gherekhloo, J., and Kazemi, H. 2020. Investigating the efficiency of different cover crops and their elimination methods on weed populations and yield of maize forage (single-cross 444 variety). Journal of Crop Production. 13(1):31-50.
48. Khajenabi, K., **Siahmarguee, A.**, Dadashi, M. R., Alizadeh Dehkordi, P., and Zeinali, E. 2021. Effect of type and planting date of cover crops on weed population structure, morphological characteristics and seed yield of Sunflower (*Helianthus annus* L). Journal of Agroecology. 12(4): 741-761.
49. Emami Kangar, D., **Siahmarguee, A.**, Kamkar, B., and Basiri, B. 2021. Studying competitive effect of Asian spider flower on changes in growth indices, yield and components yield of soybean and seed production potential of this weed in field condition. Applied Entomology and Phytopathology. 88 (2), 151-163

50. Mohammadi, H., Ghaderi-Far, F., **Siahmarguee, A.**, Zeinali, E., and Gherekhloo, J. 2021. Comparison of physical properties in Weed-Rye (*Secale cereale* L.) and winter wheat seeds in Golestan Province. Iranian Plant Protection Research. 34(4): 445-456.
51. Hamidi, S., Ghaderi-Far, F., **Siahmarguee, A.**, Torabi, B., Behroj, M. 2022. Hydrotime model: an indicator for assessing drought stress tolerance of different quinoa genotypes at the germination stage. Environmental Stresses in Crop Sciences. 15 (2), 459-469.
52. Soufizadeh, T., Gherekhloo, J., Sohrabi, S., Bagherani, N., and **Siahmarguee, A.** Mapping the distribution of winter wild oat (*Avena ludoviciana* Durieu.) biotype resistant to clodinafop-propargyl, diclofop-methyl and fenoxaprop-P ethyl herbicides in wheat. Iranian Journal of Weed Research (Accepted manuscript).
53. **Siahmarguee, A.**, Ghaderifar, F., Gherekhloo, J., Akbari Gelvardi, A., and Gorgani, M. 2022. Estimating the cardinal temperatures of germination for *Ipomoea hederaceae* and *Cleome viscosa* at constant and alternating temperature conditions. Iranian Journal of Seed Research 9 (1), 93-110.
54. **Siahmarguee, A.**, Taheri, M., Ghaderi-far, F., and Torabi, B. 2022. Ecology of seed germination and emergence of common morning-glory (*Ipomoea purpurea* L.): Invasive weed in Golestan province. Journal of Plant Production Research. 29 (2), 221-240
55. **Siahmarguee, A.**, Taliei, F., and Yazdandost, M. 2022. Evaluation of resistance and biochemical responses of different varieties of tomato to Dodder (*Cuscuta campestris* Yunck). Journal of Iranian Plant Eco physiological Research. 17 (65), 19-37.
56. Behroj, M., Ghaderi-Far, F., Sadeghipour, H.R., **Siahmarguee, A.**, and Bagheri, M. 2022. Effect of sowing date on the contents of protein and saponin and grain yield of different quinoa genotypes in Jiroft. Journal of Crop Production. 15 (1): 121-140.
57. Baei, E., **Siahmarguee, A.**, Gherekhloo, J., and Kazemi, H. 2022. Effect of summer cover crops and row spacing on weed management, yield and its components of Faba bean (*Vicia faba* L). Journal of Agricultural Science and Sustainable Protection. 32(4): 33-50.
58. Maleki, F., Kazemi, H., **Siahmarguee, A.**, and 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.

59. **Siahmarguee, A.**, Gorgani, M., Ghaderi-far, F., and Asgarpour, R. 2020. Germination ecology of ivy-leaved morning glory: an invasive weed in soybean fields, Iran. *Planta Daninha*. v38:e020196227.
60. Tatari, S., Ghaderi-Far, F., Yamchi, A., **Siahmarguee, A.**, Shayanfar, A., and Baskin C. C. 2020. Application of the hydrotimic model to assess seed priming effects on the germination of rapeseed (*Brassica napus* L.) in response to water stress. *Botany* 98: 283–291.
61. Monemizadeh, Z., Ghaderi-Far, F., Sadeghipour, H.R., **Siahmarguee, A.**, Soltani, E., Torabi, B., and Baskin, C.C. 2021. Variation in seed dormancy and germination among populations of *Silybum marianum* (Asteraceae). *Plant Species Biol.* 2021; 1–13.
62. Akbari, A., **Siahmarguee, A.**, Ghaderi-far, F., and Gherekhloo, J. 2021. The effect of environmental and management factors on seed germination and seedling emergence of Asian spiderflower (*Cleome viscosa* L.). *Weed Research*. 61:350-359.
63. Khajehnabi, K., **Siahmarguee, A.**, Dadashi, M.R., Alizadeh, P., and Zeinali. 2023. Agro-ecological zoning assessment for simultaneous planting of Sunflower and Berseem cover clover in Galugah county farmlands, Mazandaran province, Iran. *Romanian Agricultural Research*. 40.

#### ACADEMIC TEACHING EXPERIENCE:

Herbicide physiology	M.Sc.
Integrated weed management	M.Sc.
Weed biology	M.Sc.
Pesticides and environment	M.Sc.
Herbicide physiology and their application	M.Sc.
Compendium and Management of weeds	B.Sc.

#### SERVICE AND PROFESSIONAL MEMBERSHIP:

##### Service to International Journals

1. **Associate editor** of "**Electronic Journal of Crop Production**", the scientific journal of Gorgan University of Agricultural Sciences and Natural Resources (GUASNR), Iran. 2013 – 2018. (Persian journal with English abstract).



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

3- **Director-in-Charge** of "**Electronic Journal of Crop Production**", the scientific journal of Gorgan University of Agricultural Sciences and Natural Resources (GUASNR), Iran. 2013 – 2018. (Persian journal with English abstract). 2022- Continue.

#### **Membership in scientific association**

1. Member of Iranian Weed Science Society
2. Iranian Crop Science Society

**LANGUAGES:** Persian and English



Gorgan University of Agricultural  
Sciences & Natural Resources