



CURRICULUM VITAE



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Academic qualifications

PhD: Weeds ecology and control

MSc: Plant physiology

BSc: Plant physiology

Research interests

Weed ecology

Weed control

Cover crops

Allelopathy

Selected research projects

- Effect of annual cover crops on weeds and pests control, tree growth and soil characteristics of apple orchards
- Evaluation the effect of time and rate of using Flaza sulfuron herbicide (25% WG) on weed control of apple orchards
- Investigating on weed control efficiency and fruit tree response to using Flaza sulfuron herbicide (25% WG) alone and mixed with other herbicides
- Study on effect of the shade house on reducing damage of pests, birds and weeds population to grape in Qazvin
- Effect of winter cover crops on weed control and corn yield in non-tillage system
- Comparison effectiveness of herbicides and time of application on weed control in seedling transplanting and conventional cotton
- Evaluation effect of different cover crop systems utilization on weed control in tomato
- Integrated management (Polyethylen mulch and herbicide) of Bermuda grass (*Cynodon dactylon* L.) in vine orchards in Sistan region
- Effect of annual cover crops on weeds and pests' control, tree growth and soil characteristics of apple orchards
- Herbicide and permanent cover crop integration for weed management in orchards
- Studies on use of permanent cover crops for weed control in orchards
- Control of field bindweed (*Convolvulus arvensis*) with post-herbicides in flowering stage in orchards
- Investigation on response of Egyptian broomrape (*Orobanch aegyptiaca*) seed to different plants
- Investigating planting date and stale seedbed technique in weed management of winter oilseed rape fields
- Studies on new synthetic herbicides Illico, Weedmater, and Devrinol for weed control in Iran orchards
- Study of field bindweed chemical control in fallow in different cropping system
- Studies on new synthetic herbicides for weed control in Iran orchards
- Complementary studies on the use of cover crops for transplanted tomato
- Utilization of cover crops for weed control in transplanted tomato
- Influence of rye planting date and density as allelopathic cover crop for weed management in apple orchards

Selected publications

Journals papers:

- Samedani, B., Meighani, F., 2022. Effect of cover crops residue on weed control and yield in conservation tillage tomato (*Lycopersicon esculentum* Mill.) production. *Weed Biology and Management*.
- Majidi, M.R. B. Mirshekari, B. Samedani, F. Farahvash. 2020. Effect of four pre-planted cover crop species on weed control and population dynamics. *Italian Journal of Agronomy*, 15:253-260.
- Sharifziveh, P., A. Tobeh, A. Gholipouri, M.T. Alebrahim, B. Samdani. 2019. Effect of Cover crops on Weed Control & Corn Grain Yield in Conservation Tillage System. *Iranian Journal of Weed Science*. 15: 65-77.
- Sharifi Ziveh, P., Tobeh. A, Gholipouri, A., Alebrahim, M.T., Samedani, B. 2019. Assessing two winter cover crops for weed control in reduced tillage Maize establishment. *Fresenius Environmental Bulletin*, 28: 8642- 8648.
- Samedani, B., Maknali, A., Mamnoie, I. 2019. Weed control in Iran orchards by pre emergence and post emergence herbicides. *J. of Plant Ecophysiology*, 36: 165-176.
- Majidi, M.R., Mirshekari, B. Samedani, B. Hajnajari, H. Frahvash, F. 2018. Effect of four cover crop species on weed control and population changes in karaj region. *Iranian Journal of Weed Science*, 14: 11-22.
- Samedani, B. Esfandiyary, H. 2018. Apple orchard weeds management by grasses perennial cover crops. *Weed Research J.*, 9: 49-61.
- Adim, H., B. Samedani, E. Mamnoie. 2018. Bermudagrass (*Cynodon dactylon* L.) Control Using Intercropping of Cover Crops with Date Palms (*Phoenix dactylifera* L.). *Iranian Journal of Weed Science*, 14: 23-31.
- Samedani, B., H. Esfandiyari, M.A. Baghestani. 2018. Field bindweed (*Convolvulus arvensis* L.) control with post-emergence herbicides in flowering stage in apple orchards. *Iranian Journal of Weed Science*. 14: 107-115 .
- Samedani, B. S.M. Hossaini, S. M. Mirvakili. 2018. Control of spring and summer weeds in orchards by pre and post herbicides and mixture of them. *J. of Plant Ecophysiology*, 31: 193-204.
- Samedani, B., A. Maknali, M. Feraydonpor. 2017. Potential of stale seedbed technique in weed management of winter oilseed rapeseed (*Brassica napus* L.) fields. *J. of Agroecology*, 6: 243- 256.
- Samedani, B., M. Karaminejad. 2016. Effect of integration of planting date with stale seedbed, mechanical and chemical weed control on rapeseed yield in Varamin and Karaj. *Weed Research Journal*,7: 23-34.

- Diaji, A., B. Samedani, M.A. Baghestani Meybodi, E. Zand . 2015. Comparative Phenology of Wild Barely in Wheat Field from Germination until End of Dormancy Stage. *Iranian J. of Weed Science*, 11:145- 157.
- Diaji, A., D., B. Samedani, M.A. Baghestani Meybodi, E. Zand and D. Behrouzi. 2015. Effect of Stale Seedbed on the Reduction of *Hordeum spontaneum* Population in Wheat.: *Iranian J. of Weed Science*, 11:27- 36.
- Samedani, B. 2015. Investigation on response of Egyptian broomrape (*Orobanch aegyptiaca*) seed to different plants. *Weed Research Journal*,7: 65-78.
- Samedani, B., A.S. Juraimi, M.Y. Rafii. 2015. Phytotoxic effects of *Centrosema pubescens* and *Calopogonium caeruleum* litter on seed germination and seedling growth of *Asystasia gangetica* and *Pennisetum polystachion*. *Weed Research Journal*,6: 153-170.
- Samedani, B., A.S. Juraimi, M.Y. Rafii, S.A. Sheikh Awadz, M.P. Anwar and A.R. Anuar. 2015. Effect of Cover Crops on Weed Suppression in Oil Palm Plantation. *International Journal of Agriculture and Biology*, 2: 251–260.
- Almodares A, Hadi MR, Kholdebarin B, Samedani B, Kharazian ZA. 2014. The response of sweet sorghum cultivars to salt stress and accumulation of Na⁺, Cl⁻ and K⁺ ions in relation to salinity.*J Environ Bio.*, 35: 733-9.
- Samedani, B., A.S. Juraimi, S.A. Sheikh Awadz, M.Y. Rafii, A.R. Anuar and M.P. Anwar. 2014. Effect of cover crops on weed community and oil palm yield. *International Journal of Agriculture and Biology*, 16 (1): 23-31.
- Samedani, B., A.S. Juraimi, S.A. Sheikh Awadz, M.Y. Rafii, A.R. Anuar and M.P. Anwar. 2014. Effect of cover crops on oil palm growth and soil nutrients status. *International Journal of Agriculture and Biology*. (In press).
- M. P. Anwar, A. S. Juraimi, M. T. M. Mohamed, M. K. Uddin, B. Samedani, A. Puteh and Azmi Man. 2013. Integration of Agronomic Practices with Herbicides for Sustainable Weed Management in Aerobic Rice. *The Scientific World Journal*. <http://dx.doi.org/10.1155/2013/916408>.
- Samedani, B., A. S. Juraimi, M. Y. Rafii, A. R. Anuar, S. A. Sheikh Awadz, and M. P. Anwar. 2013. Allelopathic Effects of Litter *Axonopus compressus* against Two Weedy Species and Its Persistence in Soil. *The Scientific World Journal*. <http://dx.doi.org/10.1155/2013/695404>.
- Anwar, M. P., A. S. Juraimi, A. Puteh, A. Selamat, M. M. Rahman and B. Samedani. 2012. Seed priming influences weed competitiveness and

- productivity of aerobic rice. *Acta Agriculturae Scandinavica, Section B - Soil & Plant Science*. 62: 499-509.
- Samedani, B., A. S. Juraimi, M. P. Anwar, M. Y. Rafii, S. H. Sheikh Awadz and A. R. Anuar. 2013. Competitive Interaction of *Axonopus compressus* and *Asystasia gangetica* under Contrasting Sunlight Intensity. *The Scientific World Journal*. <http://dx.doi.org/10.1155/2013/308646>
- Anwar, M. P., A. S. Juraimi, B. Samedani, A. Puteh and A. Man. 2012. Critical Period of Weed Control in Aerobic Rice. *The Scientific World Journal*. doi:10.1100/2012/603043.
- Samedani, B., A.S. Juraimi, M.P. Anwar, M.Y. Rafii, S.A. Sheikh Awadz and A.R. Anuar. 2013. Phytotoxic effect of water extracts of *Pueraria javanica* litter on the growth of the weeds *Asystasia gangetica* and *Pennisetum polystachion*. *Allelopathy Journal*. 32 (2): 191-202.
- Samedani, B., A.S. Juraimi, M.P. Anwar, M.Y. Rafii, S.A. Sheikh Awadz and A.R. Anuar. 2012. Competitive ability of some cover crop species against *Asystasia gangetica* and *Pennisetum polystachion*. *Acta Agriculturae Scandinavica, Section B - Soil & Plant Science*, 2: 571-582.
- Meighani, F., B. Samedani and A. Jahedi. 2011. Study of chemical control of field bindweed (*Convolvulus arvensis* L.) in fallow in sugarbeet, tomato and potato. *Agronomy J. (Pajouhesh and Sazandegi)*. 91: 60-69.
- Sanmedani, B., A. Maknali and E. Masmnoii. 2008. Evaluation of some post emergence herbicides in orchards of Iran. *Pak. J. Weed Sci. Res.* 14:81-89.
- Samedani, B., and H. Rahimian .2007. Comparison the effects of monoculture with polyculture of cover crops on controlling weeds in tomato (*Lycopersicum esculentum*). *Iranian Journal of Plant Pathology*. Vol 45.
- Ranjbar, M., Samedani, B., H. Rahimian, M.R. Jahansoz and M.R. Ghanadha. 2007. Influence of winter cover crops on weed control and tomato yield. *J. Pajouhesh-va- Sazandegi in Agronomy and Horticulture*. Vol. 21 .
- Samedani, B., and H. Rahimian. 2006. Effect of cover crops mulch on weed control in orchards. 2006. *Pak J. Weed Sci.Res.* 12: 345-353.
- Samedani, B., M. Rangbar, H. Rahimian & M.R. Jahansoz. 2006. Utilization of rye and hairy vetch cover crops for weed control in

transplanted tomato. Pakistan J. of Biological Sciences. 9: 2323-2327 .

Samedani, B., M. Rangbar, H. Rahimian & M.R. Jahansoz. 2005. Influence of rye, hairy vetch and mixture of rye and vetch on density and biomass of *Sisymbrium officinalis* and *Fumaria villantii*. Iranian Journal of Plant Pathology. Vol. 41 .

Samedani, B. & M.A. Baghestani. 2005. Allelopathic effects of three *Artemisia* species on seed germination and seedling growth of *Amaranthus retroflexus*. Iranian Journal of Plant Pathology. Vol. 41 .

Samedani, B. & M.A. Baghestani. 2005. Comparison of allelopathic activity of different *Artemisia* species on seed germination rate and seedling growth of *Avena ludoviciana*. J. Pajouhesh-va- Sazandegi in Agronomy and Horticulture. Vol. 18.

Samedani, B, E. Naserian & F. Yousefi. 2006. Survey on effect of integrated reduced rates of herbicides with narrow row/high population on soybean weeds. J. Agric. Sci. Natur. Resour. Vol. 12 .

Samedani, B., H. Rahimian & M. Shahabian. 2006. Use of cover crop for weed management in orchards as compared to chemical and mechanical weed control. J. Agric. Sci. Natur. Resour. Vol. 12.

Samedani, B. & M.A. Baghestani. 2005. Influence of rye (*Secale cereale* L.) planting date and density as cover crop for weed management in orchards. J. Environmental Sciences. Vol. 2.

Samedani, B. & M. Minbashi. 2004. Survey on existence of ecotypes among population of field bindweed. Rostaniha, Botanical Journal of Iran. Vol 5.

Samedani, B. & M.A. Baghestani. 2003. The allelopathic effect of hairy vetch aqueous extracts on seed germination and growth of some weeds, corn and soybean. Iranian Journal of Plant Pathology. Vol. 39 .

Conference papers:

- Samedani, B. and H. Rahimian. 2008. Comparison the effects of cover crop monoculture with polyculture on weed control and yield of tomato. 5th International Weeds Congress. Canada.
- Samedani, B., F. Mighani and M. Rvand. 2008. Chemical control of *Convolvulus arvensis* at fallow condition before tomato planting. 18th Iranian Plant Protection Congress. Hamedan, Iran.
- Samedani, B. and M. Montazeri. 2008. Investigation on response of Egyptian broomrape seed to different plant in hydroponics condition. 18th Iranian Plant Protection Congress. Hamedan, Iran.
- Ggotbi, M., M. Montazeri, M. Amini Dehaghi and B. Samedani. 2008. The role of Environmental Factors on two isolates of *Fusarium oxysporum*, as bicontrol agents of Egyptian broomrape. 18th Iranian Plant Protection Congress. Hamedan, Iran.

Books:

- Samedani, B., and M. Montazeri. 2010. Use of cover crops in sustainable agriculture. Iranian Research Institute of Plant Protection Publisher. Tehran, Iran .

Book Chapters

- Samedani, B. 2009. The biology and control of *Chenopodium album* and *Viscum album*. In: Management and Control of Weeds. Eds., Najafi, H., E. Zand and M.A. Baghestani. Iranian Research Institute of Plant Protection Publisher. Tehran, Iran.

Software and E-publications:

Thesis supervised

- Allelopathic effect of some plant on corn weeds
- Studies on new synthetic herbicides Illico, Weedmater, and Devrinol for weed control in peach orchards

Other achievements