

## **Curriculum vitae:**

**Amir Aynehband , (Ph.D.) Professor,**

Department of Agronomy and Plant breeding,

College of Agriculture,

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Appointment, including teaching and research which involves with basic to applied research-development, planning, testing, and project management in crop ecology via cropping systems, organic agriculture (e.g. biofertilizer & vermicompost), crop rotation, integrated nutrient management and nitrogen efficiency.

### **Education**

Professor (2014) in Shahid Chamran University of Ahvaz, Iran.

Associate professor (2010) in Shahid Chamran University of Ahvaz, Iran.

Assistant professor (2004) in Shahid Chamran University of Ahvaz, Iran.

Ph.D., Crop ecology, (2002), Mashhad University, Iran. (Thesis title: Agro-ecological evaluation of some rotational double cropping systems),

M.S., Agronomy, (1997), Tehran University, Iran

B.S., Crop science, (1994), Mashhad University, Iran

### **Professional experience**

Professor, 2014-Present

Agronomy and Plant breeding Department, College of Agriculture, Shahid Chamran University, Ahwaz, Iran.

Teaching and research. Taught Undergraduate level courses, research is heavily involved with Undergraduate and Ph.D. student thesis and research of interest in field of cropping systems, organic agriculture and integrated nutrient management.

**Teaching** (courses currently offered):

Crop ecology, organic agriculture, crop production ecology, research methods in agroecology courses for undergraduate, sustainable agriculture courses for graduate, ecology of agricultural systems and crop ecophysiology for Ph.D. students.

**Advising:**

Chair professor for successfully completed 31 M.Sc. and 10 Ph.D. theses, for example:

- 1-Effect of different green manure crops and nitrogen levels on yield and yield components of Wheat.
- 2 -Ecological evaluation the effect of intra and inter competition on nitrogen use efficiency and photosynthetic reserves efficiency in Wheat.
- 3-Effect of crop residue management on yield and yield components of Amaranth / Mung bean intercropping system.
- 4 -Study of nitrogen use efficiency, yield and yield components of four old and modern current varieties of Wheat.
- 5-Effect of different rates and application times of Nano- iron fertilizer on yield and yield components of Canola.
- 6-Effect of different biofertilizers and weed densities on grain yield and nitrogen use efficiency in Wheat.
- 7-Vermicompost production from different crop residues and earthworm weights.

**Professional activities and interests**

Study on effect of different cropping systems (e.g. crop rotation, double cropping and intercropping systems) on crop yield. Also, research on integrated nutrient management (e.g. biofertilizer, vermicompost and nitrogen use efficiency) and new crops (e.g. Amaranth).

## Publications

### Books (In Persian):

1. **Aynehband, A.** (Ed.), (2015) *Ecology of agricultural systems*, (2nd ed.), p. 621, Shahid Chamran University Press.
2. **Aynehband, A.** (Ed.), (2014) *Agroecological weed management*, p. 224, Shahid Chamran University Press.
3. **Aynehband, A.** (Ed.), (2012) *Production efficiency of agroecosystems*, p. 184, Shahid Chamran University Press.
4. **Aynehband, A.** (Ed.), (2012) *Principle and fundamentals of sustainable agriculture*, p. 333, Shahid Chamran University Press.
5. **Aynehband, A.** (Ed.), (2007) *Ecology of agricultural systems*, (1nd ed.), p. 374, Shahid Chamran University Press.
6. **Aynehband, A.** (Ed.), (2005) *Crop rotation*, P. 407. Shahid Chamran University Press.

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### Articles (ISI):

1. Hajjarpoor, A., Soltani, A., Zeinali, E., Kashiri, H., **Aynehband, A.**, and Vadezd, V. (2018) Using boundary line analysis to assess the on-farm crop yield gap of wheat. *Field Crops Research*, (225) 64-73.
2. **Aynehband, A.**, Gorooii, A. and Moeezi, A.A. (2017). Vermicompost: An Eco-Friendly Technology for Crop Residue Management in Organic Agriculture. *Energy Procedia*, 141:667-671.
3. **Aynehband, A.**, Asadi, S. and Rahnama, A. (2015). Evaluating the effect of Intra- and Inter specific competition stress on nitrogen use efficiency in wheat. *Journal of Plant Physiology and Breeding*, 4 (2): 9-21.
4. Hasanvandi, M., **Aynehband, A.**, Rafiee, M., Mojadam, M., & Rasekh, A. (2014a). Changes in soluble and insoluble carbohydrates of safflower (*Carthamus tinctorius* L.) influenced by supplemental irrigation and Super Absorbent Polymer. *International Journal of Biosciences (IJB)*, 5(8), 91-100 .
5. Hasanvandi, M., **Aynehband, A.**, Rafiee, M., Mojadam, M., & Rasekh, A. (2014b). The impact of supplemental irrigation and Super Absorbent Polymer (SAP) on proline and protein concentrations in safflower (*Carthamus tinctorius*) cultivars. *International Journal of Biosciences (IJB)*, 5(7), 230-240 .

6. **Aynehband, A.**, Gerami, F., and Fateh, E. (2013) Green manure crops and n rates influence on variability of dry matter and n content at anthesis and maturity in wheat (*triticum aestivum* L.) Bulgarian Journal of Agricultural Science. 19(No2): 282-292.
7. Bahrani, A., Abad, H. H. S., & **Aynehband, A.** (2013). Nitrogen remobilization in wheat as influenced by nitrogen application and post-anthesis water deficit during grain filling. African Journal of Biotechnology, 10(52), 10585-10594 .
8. Gerami, F., **Aynehband, A.**, and Taherifard E. (2013) The Influence of Legume and Non-Legume Green Manures Along Nitrogen Fertilizer Levels on Some Traits of Wheat (*Triticum aestivum* L.) as Subsequent Crop. Annual Review & Research in Biology. 3(3): 314-322.
9. Madeh Khaksar, A., Naderi, A., **Aynehband, A.**, and Lak, Shahram. (2013) Assessment of water use efficiency in related to yield and yield components of corn in deficit irrigation condition. Annals of Biological Research. 4(5): 262-268.
10. Nadi, E., **Aynehband, A.**, & Mojaddam, M. (2013). Effect of nano-iron chelate fertilizer on grain yield, protein percent and chlorophyll content of faba bean (*Vicia faba* L.). International Journal of Biosciences (IJB), 3(9), 267-272.
11. Pedram, M., **Aynehband, A.**, & Modhej, A. (2013). The effect of biological and chemical fertilizers and plant density on quality and quantity yield of Safflower (*Carthamus tinctorius*. L) under Ahvaz condition. International Journal of Agronomy and Plant Production, 4(3), 524-529 .
12. **Aynehband, A.**, and Afsharinfar, kh. (2012) Effect of gamma irradiation on germination characters of amaranth seeds. European Journal of Experimental Biology. 2(4): 995-999.
13. **Aynehband, A.**, Asadi, S., & Rahnema, A. (2012). Study of weed–crop competition by agronomic and physiological nitrogen use efficiency. European Journal of Experimental Biology, 2(4), 960-964 .
14. **Aynehband, A.**, Gerami, F., & Fateh, E. (2012). Effect of different green manure crops and nitrogen levelson biomass production efficiency and nitrogen concentration in wheat (*Triticum aestivum* L.) and soil. Advances in Environmental Biology, 6(1), 362 -367.
15. Gerami, F., **Aynehband, A.**, & Fateh, E. (2012). Weed suppression in wheat (*Triticum aestivum* L.) by legume and non-legume green manures along with different N fertilizer levels. International journal of agriculture and crop science, 4(9), 556-560.
16. Gholinezhad, E., **Aynehband, A.**, Ghorthapeh, A. H., Noormohamadi, G., & Bernousi, I. (2012) .Effect of Drought Stress on Grain Yield, Quality Traits, Phyllochron and Leaf Appearance Rate of Sunflower Hybrid Iroflor at Different Levels of Nitrogen and Plant Population. American-Eurasian Journal of Agricultural, 306-314 .
17. Rashidi, S., Rad, A. H. S., **Aynehband. A.**, Javidfar, F., & Lak, S. (2012). Study of relationship between drought stress tolerances with some physiological parameters in canola genotypes (*Brasica napus* L.). Annals of Biological Reserch, 3(1), 564-569.

18. **Aynehband, A.**, & Behrooz, M. (2011). Evaluation of cereal-legume and cereal-pseudocereal intercropping systems through forage productivity and competition ability. *American-Eurasian Journal of Agriculture and Environmental Science*, 10(4), 675-683 .
19. **Aynehband, A.**, Asadi, S., & Rahnama, A. (2011). Dry matter distribution as affected by N rates and intra-and interspecific competition in wheat (*Triticum aestivum* L.). *Journal of Food, Agriculture & Environment*, 9(3&4), 354-363 .
20. **Aynehband, A.**, Moezi, A., & Sabet, M. (2011). The comparison of nitrogen use efficiencies in old and modern wheat cultivars: agroecological results. *American-Eurasian Journal of Agricultural and Environmental Science*, (4)10, 574-586.
21. **Aynehband, A.**, Valipour, M., & Fateh, E. (2011). Stem reserve accumulation and mobilization in wheat (*Triticum aestivum* L.) as affected by sowing date and NPK levels under Mediterranean conditions. *Turk J Agric For*, 35, 319-331 .
22. Bahrani, A., Sharif Abad, H. H., Sarvestani, Z. T., Moafpourian, G., & **Aynehband. A.** (2011). Remobilization of dry matter in wheat: effects of nitrogen application and post-anthesis water deficit during grain filling. *New Zealand Journal of Crop and Horticultural Science*, 39(4), 279-293 .
23. Gholinezhad, E., **Aynehband, A.**, Hassanzade Ghorthapeh, A., Noormohamadi, Gh., and Bernousi, I. (2011) Effect of Drought Stress and Nitrogen Rates on Grain Yield, Quality Traits and Physiological Indices in Sunflower Hybrid Iroflor at Different Plant Density. *World Applied Sciences Journal*. 14(1): 131-139.
24. Rahimi, M.M., Nourmohamadi, Gh., **Aynehband, A.**, Afshar, E., and Moafpourian, Gh. (2011) Study on Effect of Planting Date and Nitrogen Levels on Yield, Yield Components and Fatty Acids of Linseed (*Linum usitatissimum* L.). *World Applied Sciences Journal*. 12(1): 59-67.
25. Sharghi, Y., Shirani Rad, A.H., **Aynehband, A.**, Noormohammadi, Gh., and Zahedi, H. (2011) Yield and yield components of six canola (*Brassica napus* L.) cultivars affected by planting date and water deficit stress. *African Journal of Biotechnology* Vol. 10(46): 9309 - 9313.
26. Abhari, A., Soltani, A., Naderi, A., and **Aynehband, A.** (2010) Evaluation Effects of Nitrogen Content on Grain Number in Wheat. *Middle-East Journal of Scientific Research* 5(5): 382-387.
27. **Aynehband, A.**, Behrooz ,M., & Afshar, A. (2010). Study of intercropping agroecosystem productivity influenced by different crops and planting ratios. *American-Eurasian J. Agric. Environ. Sci*, 7, 163-169 .
28. **Aynehband, A.**, Moezi, A., & Sabet, M. (2010). Agronomic assessment of grain yield and nitrogen loss and gain of old and modern wheat cultivars under warm climate. *African Journal of Agricultural Research*, 5(3), 222-229 .

29. **Aynehband, A.**, Tehrani, M., & Nabati, D. A. (2010). Effects of residue management and N-splitting methods on yield and biological and chemical characters of canola ecosystem. *Journal of Food, Agriculture and Environment*, 8(2), 317-324 .
30. Ganjali, H., **Aynehband. A.**, Sharif Abad, H., & Moussavi Nik, M. (2010). Effects of sowing date, plant density and nitrogen fertilizer on yield, yield components and various traits of *Calendula officinalis*. *American-Eurasian J. Agric. & Environ. Sci.*(6), 672-679 .
31. Ganjali, H.R., **Aynehband, A.**, Heidari Sharif Abad, H., and Moussavi Nik, M. (2010) Effects of Sowing Date, Plant Density and Nitrogen Fertilizer on Yield, Yield Components and Various Traits of *Calendula officinalis*. *American -Eurasian J. Agric. & Environ. Sci.* 8 (6): 627-679.
32. Ganjali, H.R., **Aynehband, A.**, Heidari Sharif Abad, H., Moussavi Nik, M. (2010) Effects of Sowing Date, Plant Density and Nitrogen Fertilizer on Yield, Yield Components and Various Traits of *Calendula officinalis*. *American -Eurasian J. Agric. & Environ. Sci.* 9(2): 149-155.
33. Yadegari, M., Rahmani, H. A., Noormohammadi ,G., & **Aynehband, A.** (2010). Plant growth promoting rhizobacteria increase growth, yield and nitrogen fixation in *Phaseolus vulgaris*. *Journal of Plant nutrition*, 33(12), 1733-1743.
34. Bahrani, A., Abad, H., Sarvestani, Z., Moafporian, G., & **Aynehband, A.** (2009) Wheat (*Triticum aestivum* L.) response to nitrogen and post-anthesis water deficit. *American-Eurasian Journal of Agricultural and Environmental Science*, 6(2), 231-239 .
35. Gholinezhad, E., **Aynehband, A.**, Ghorthapeh, A. H., Noormohamadi, G., & Bernousi, I. (2009). Study of the effect of drought stress on yield, yield components and harvest index of sunflower hybrid iroflor at different levels of nitrogen and plant population. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca*, 37(2), 85-94
36. Mirzakhani, M., Ardakani, M., **Aynehband. A.**, Rejali, F., & Rad, A. S. (2009). Response of spring safflower to co-inoculation with *Azotobacter chroococum* and *Glomus intraradices* under different levels of nitrogen and phosphorus. *American Journal of Agricultural and Biological Sciences*, 4(3), 255-261 .
37. Moosavi, A., Tavakkol Afshari, R., Sharif-Zadeh, F., & **Aynehband, A.** (2009). Effect of seed priming on germination characteristics, polyphenoloxidase, and peroxidase activities of four amaranth cultivars. *J. Food Agric. Environ*, 7(3-4), 353-358 .
38. Moosavi, A., Tavakkol Afshari, R., Sharif-Zadeh, F., & **Aynehband, A.** (2009). Seed priming to increase salt and drought stress tolerance during germination in cultivated species of Amaranth. *Seed Science and Technology*, 37(3), 781 -785 .
39. Pourreza, J., Soltani, A., Naderi, A., & **Aynehband, A.** (2009). Modeling leaf production and senescence in wheat. *American-Eur J Agric Environ Sci*, 6, 498-507 .

40. Sabet, M., **Aynehband, A.**, & Moezzi, A. (2009). Genotype and N rates effect on dry matter accumulation and mobilization in wheat (*Triticum aestivum* L.) in sub-tropical conditions. *Bulgarian Journal of Agricultural Science*, 15(6), 514-527 .
41. Foolad Vanda, S. F., **Aynehband, A.**, & Naraki, F. (2009). Effects of tillage method, seed rate and microelement spraying time on grain yield and yield components of rapeseed (*Brassica napus*) in warm dryland condition. *Journal of Food, Agriculture & Environment*, 7(3&4), 627-633 .
42. **Aynehband, A.** (2008). Cultivar and nitrogen splitting effects on amaranth forage yield and weed community. *Pakistan Journal of Biological Sciences*, 11(1), 80-85 .
43. Modhej, A., Naderi, A., Emam, Y., **Aynehband, A.**, & Normohamadi, G. (2008). Effects of post-anthesis heat stress and nitrogen levels on grain yield in wheat (*T. durum* and *T. aestivum*) genotypes. *International Journal of Plant Production*, 2(3), 257-267 .
44. Pirbalouti, A. G., Normohammadi, G., Kamali, G. A., **Aynehband, A.**, Porhemmat, J., Abdollahi, K., & Golparvar, A. (2008). Integrating Some of the Ecological Factors in Order Sustainable Canola Production Using GIS in Southwest Iran . *American-Eurasian J. Agric & Environ. Sci.*, 4(1), 68-71.
45. Yadegari, M., Rahmani, H., Noormohammadi, G., & **Aynehband, A.** (2008). Evaluation of bean (*Phaseolus vulgaris*) seeds inoculation with *Rhizobium phaseoli* and plant growth promoting rhizobacteria on yield and yield components. *Pakistan journal of biological sciences: PJBS*, 11(15), 1935-1939 .

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### Articles in Persian:

1. Ghalambaz, S., **Aynehband, A.** and Moezi, A. 2014. Effect of integrated fertilizer management and weed competition on efficiency, accumulation and allocation of dry matters of main stem internodes in wheat, *The plant production*, 37 (4): 131-141.
2. Rabiaan, E., Jiraii, M., and **Aynehband, A.** 2014. Evaluation the effect of selenium on reduction of negative effects of salinity on seed reserves of rice. *Environmental stress in crop science*, 7(1): 53-73.
3. Gerami, F., **Aynehband, A.**, & Fateh, E. (2014). Effect of green manure crops and nitrogen fertilizer levels on dry matter remobilization efficiency in wheat (*Triticum aestivum* L.) internodes. *Journal of Ecological Agriculture*, 4(5), 406-415.
4. Ghalambaz, S., **Aynehband, A.**, & Moezzi, A. (2014). Effect of integrated nutrient management and weed competition on efficiency and potential of accumulation and remobilization of dry matter in wheat main stem internodes. *The plant production (scientific journal of Agriculture)*, 37(4).
5. Gerami, F., **Aynehband, A.**, & Fateh, E. (2014). Comparing the effect of different green manure crops and nitrogen rates on wheat (*Triticum aestivum* L.) by nitrogen efficiency indices. *The plant production (scientific Journal of Agriculture)*, 36 (4).

6. Gerami, F., **Aynehband**, A., & Fateh, E. (2014). Comparing the effect of different green manure crops and nitrogen rates on wheat (*Triticum aestivum* L.) by nitrogen efficiency indices. *The plant production (scientific Journal of Agriculture)*, 36(4).
7. Mowaghatian, A., Fateh, E., **Aynehband**, A., & Siahpoosh, A. (2014). Investigation of integrated mineral nutrient management on yield and yield components of fennel (*Foeniculum vulgare*), *The plant production (scientific Journal of Agriculture)*, 37(2).
8. Bahari, A., **Aynehband**, A., & Fateh, E. (2014). Study of competition ability of amaranth (*Amaranthus* spp.) and mung bean (*Vigna radiata* L.) in intercropping system by using competition indices, *Journal of Agroecology*, 6(1).
9. Sohrabi, S., Fateh, E., **Aynehband**, A., & Rahnamma, A. (2014). An evaluation on the effect of the residue management and different nitrogen sources on yield and yield components of wheat (*Triticum aestivum* L.), *Journal of Agroecology*, 6 (3): 645-655.
10. Jiriaie, M., Fateh, E., & **Aynehband**, A. (2014). The consequences of single and integrated application of Mycorrhiza and Azospirillum inoculants on yield and yield components of warm region wheat cultivars (*Triticum* spp.), 6(3).
11. Bahrami, N., **Aynehband**, A., & Lorzadehe, Sh. (2012). Effect of crop residues on growth and absorption of mineral elements of soil by sugarcane. *Pajouhesh and Sazandeg*, 96, 67-74.
12. Abdolazadeh, S., Fateh, E., & **Aynehband**, A. (2012). Investigation in to different sowing dates and fertilization methods (chemical and organic) on yield and yield components of milk thistle (*Silybum marianum* L.). *The plant production (scientific journal of Agriculture)*, 35(1), 2-10.
13. Abdolah zar, S., Fateh, E., & **Aynehband**, A. (2012). Investigation in to Different Sowing Dates and Fertilization Methods (chemical and organic) on Yield and Yield Components of Milk Thistle (*Silybum marianum* L.), *the plant production (scientific Journal of Agriculture)*, 35 (1).
14. Hosainzadeh, A., **Aynehband**, A., & Hamdi, H. (2012). Effect of Integrated Weed Managemet Systems on Yield Quality and Quantity of Sugarcane in Khouzeestan. *The plant production (scientific Journal of Agriculture)*, 35(3).
15. Halalipoor, M., **Aynehband**, A., Meskarbashi, M. & roshanfekr, H. (2011). The effect of row spacing and weed removal time on yield and yield components of faba bean and weed density and weed biomass. *The plant production (scientific journal of Agriculture)*, 34(1).
16. Sajedi, N., Madani, H., & **Aynehband**, A. (2011). Response of yield, yield components and water use efficiency in conditions of micronutrients and selenium application under water deficit stress in maize. *The plant production (scientific journal of Agriculture)*, 34(1).
17. Yadegari, M., Noormohammadi, G., Asadi Rahmani, H., & **Aynehband**, A. (2010). Study the effect of Rhizobium phaseoli and plant growth promoting rhizobacteria (PGPR) on nitrogen fixation and nodulation of bean (*Phaseolus vulgaris*). *Pajouhesh and Sazandegi*, 53-61.
18. Fooladivanda, S., **Aynehband**, A., & Narakie, F. (2010). Evaluation of effect of different tillage methods and seed rates on yield and yield components of rapeseed (*Brassica napus*) in dry land condition. *Iranian journal of field crops research*, 2(8).
19. Ghanavati, M., **Aynehband**, A., & Mesgarbashi, M. (2010). The effect of nitrogen rate and weed removal time on yield, yield component weed community in canola (*BRASSICA NAPUS* L.). *The plant production (scientific journal of Agriculture)*, 32(2).



20. Modhej, A., Naderi, A., Emam, Y., **Aynehband, A.**, & Noormohammadi, G. (2010). Effect of different nitrogen levels on grain yield, grain protein content and agronomic nitrogen use efficiency in wheat genotypes under optimum and post anthesis heat stress conditions. *Seed and plant production journal*, 25(4), 253-371.
21. Valipoor, M., **Aynehband, A.**, & Fateh, E. (2010). The Effect of Planting Dates and Different N-P-K Ratios on Grain Yield and N Use Efficiency in Wheat (*Triticum aestivum* L.) in Ahvaz. *The plant production (scientific journal of Agriculture)*
22. Ghanavati, M., **Aynehband, A.**, Mesgarbashi, M., & Halalipoor, M. (2010). The effect of nitrogen rate and weeding time on weed communities dynamic and yield of canola (*BRASSICA NAPUS* L.). *EJCP*, 2(4), 71 -92.
23. Rahimi, M., Noormohammadi, G., **Aynehband, A.**, Afshar, I., & Moafpourian, G. (2009). Effects of Sowing Time and Different Nitrogen Levels on Quantitative and Qualitative Characteristics of Oil Flax (*Linum usitatissimum* L.). *Seed and plant production journal*, 25(2), 91-79.
24. Tehrani, M., **Aynehband, A.**, & Ahmadi, D. (2009). Effect of crop residue management and nitrogen splitting methods on yield and yield components of canola (*Brassica napus* L.). *Agricultural Science (Tabriz)*, 19(1), 90-103.
25. Safahani Langerodi, A., **Aynehband, A.**, Zand, E., Nourmohammadi, Gh., Baghestani, M.A., & Kamkar, B. (2008). Evaluation of competitive ability in some canola (*Brassica napus*) cultivars with wild mustard (*Sinapis arvensis*) and relationship with canopy Structure. *J. Agric. Sci. Natur. Resour*, 15(2).
26. Madeh khaksar, S., **Aynehband, A.**, & Albaji, M. (2008). Qualitative Evaluation of land sustainability to cultivate summer flint maize and watermelon in gargar plain of khuzestan. *Journal of research crop sciences*, 1(1). 58-71.
27. **Aynehband, A.**, Aghasizadeh, V., & Meskarbashi, M. (2007). Evaluation of quantitative and qualitative characteristics of Amaranth cultivars in different planting dates. *CROP Research Journal*, 5(2).
28. **Aynehband, A.**, & Aghasizadeh, V. (2007). The effects of different crop management on yield and yield components of mung bean. *The scientific journal of agriculture*, 30(1).
29. Ebrahimpour, F., **Aynehband, A.**, Noormohammadi, G., Mosavinia, H., Meskarbashi, M., & Peivastegan, B. (2007). The effects of different sowing date and densities of oat (*Avena lodoviciana* L.) on winter wheat (*Triticum aestivum* L) yield. *The scientific journal of Agriculture*, 30(3).
30. Lack, S., Naderi, A., Siadat, S.A., **Aynehband, A.**, Noormohammadi, G., & Mosavinia, H. (2007). The effects of different levels of irrigation, nitrogen and plant population on yield, yield components and dry matter remobilization of corn at climatically conditions of Khuzestan JWSS-Isfahan University of Technology, 11(42), 1-14.
31. Lack, S., Naderi, A., Siadat, S.A., **Aynehband, A.**, & Noormohammadi, G. (2007). The effects of water deficiency stress on yield and nitrogen efficiency of grain corn hybrid SC.704 at different nitrogen rates and plant population. *J. Agric. Sci. Natur. Resour*, 14(2).
32. **Aynehband, A.** (2006). The effects of previous crop and time of removal on weed communities in fodder sorghum (*Sorghum bicolor* L.). *The scientific journal of Agriculture*, 29(3).
33. Lack, S., Naderi, A., Siadat, S.A., **Aynehband, A.**, & Noormohammadi, G. (2006). The effects of different levels of nitrogen and plant density on grain yield, its components and

water use efficiency in maize (*zea maize L.*) cv. SC. 704 under different moisture conditions in Khuzestan. *J. Agric. Sci. Natur. Resour* 14(2), 63-76.

34. **Aynehband, A.** (2005). Effects of crop rotation on weed community dynamic in fodder Corn. *The scientific journal of Agriculture*, 28(1), 200-208.
35. **Aynehband, A.** (2005). The effects of cropping history on agroecological parameters of wheat ecosystems. *The scientific journal of Agriculture*, 28(1).
36. **Aynehband, A.** (2005). Introduction the amaranth as a new fodder crop of the first time in iran. *The scientific journal of Agriculture*, 27(2).
37. Bazrafshan, F., Fatahi, G., Siadat, A., **Aynehband, A.**, & Alamisaeid, K. (2005). Effects of planting pattern and plant density on yield and yield components of sweet corn. *The scientific journal of Agriculture*, 28(2).
38. **Aynehband, A.** (2005). The effects of mono and sequence cropping systems on diversity of weed community.
39. **Aynehband, A.** (2004). Effects of crop rotation on weed community dynamic in fodder sorghum. *Agricultural Science (Tabriz)*, 14(1), 42-54.