



## Resume (C.V)



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### **EDUCATION**

- PhD. In Weed Science from Ferdowsi University of Mashhad, Mashhad, Iran. (Thesis: Decision Support System of weed management in wheat fields)
- M.Sc. In Agronomy from Tabriz University, Tabriz, Iran. July 1998. (Thesis: Assessment of yield and yield components in corn and cowpea using reciprocal yield model)
- B.Sc. B.Sc. in Agronomy and Plant Breeding from Ferdowsi University of Mashhad, Mashhad, Iran. March 1994.

### **RESEARCH INTEREST**

Decision Support Systems. Smart Agriculture. Crop-weed competition modelling.

### **EXPERIENCES**

- 2021 to date Member of the board managing in Iranian Weed Science Society.
- 2019 to date Member of “Big data in Agriculture” in Smart Agriculture Project
- 2019 to date Member of the editorial board of the Journal of Agricultural Information Science and Technology of the AREEO.
- 2018 to date Coordinator of “Internet things in Agriculture” as Mega Project
- 2018 to date Secretary of Smart Agriculture committee in Ministry of Agriculture.
- 2018 to date Secretary of Weed management committee.
- 2015 to 2017 Director of the Information and Communication Technology in AREEO
- 2002 to 2013 Head of Information and communication Technology center of Iranian Research Institute of Plant Protection.
- 2001 to date Member of scientific board of Iranian Research Institute of Plant Protection.

## SOME WORKSHOP ATTENDED

- 1) "Smart Farming Models". 4-8 Nov. 2019, APO., Bangkok, Thailand
- 2) Agroecological systems: Simulation and modeling APSIM (Agricultural Production Systems simulator). 3-5 May 2008, Shahid Beheshti University in collaboration with Bon University (Germany). Tehran – Iran
- 3) "Utilization of Expert System in Agricultural Research"-10-25 October 2002, Cairo-Egypt

## SOME PUBLICATIONS

### Books:

- 1) M. Partovi and **A. Atri**. 2009. Foxtail in: Najafi, H. Baghestani, M. H. and Zand, E: Biology and Weed Management of Iran (Vol.1) 559 pages. ISBN No. 9789649136608
- 2) **A. Atri**. 2010. Strategic Research on Weed Management in: Khalghani, C: Strategic Document for Development of Iranian Research Institute of Plant Protection (Strategic Research Program for Weed Management): 457 pp. ISBN No. 978-600-5916-00-3.

### Papers:

#### Full papers published in English in international journals and conferences

- 1) Bena Kashani, F, E. Zand, H. Alizadeh and **A. Atri**. 2010. Study on diclofob-methyl resistance in wild oat (*Avena lodoviciana*): A comparison between the whole plant and the seed bioassays. *Appl. Ent Phytopath Journal*, Vol. 78, No. 1
- 2) Sheibani, K., Baghestani, M., **Atri, A**. 2009. Competitive effects of redroot pigweed (*Amaranthus retroflexus*) on the growth indices and yield of corn. *Weed biology and Management Journal*.(9)- 152-159.
- 3) **Atri, A**. M. A. Baghestani and M. Partovi. 2008. Quantitative evaluation of wheat against volunteer rye in Iran. *Weed biology and Management Journal*.(8)- 191-200.
- 4) **Atri, A**, and M. Amir-maafi. 2006. A decision support system for management of Sunn pest (*Eurygaster Integriceps* Puton.) in wheat. 4th World Congress on Computer in Agriculture, July 24-26. Orlando, florida USA. pp 414-417
- 5) **Atri, A**, E. Zand, M. Baghestani., J. Khalghani and M. Partovi. 2005. A decision support system for post emergence weed management in winter wheat. 5th Conference of the European Federation for information Technology in Agriculture, Food and Environment and 3rd World Congress on Computers in Agriculture and Natural Resources. July 25-28, 2005. Vila Real, Portugal.
- 6) **Atri, A**, E. Zand, M. Baghestani. And J. Khalghani. 2004. Weed expert system for weed management of wheat fields in Iran. Fifth workshop on Artificial Intelligence in Agriculture. Cairo, Egypt
- 7) Rizvi, S. J. H., Rizvi, V., Tahir, M., Rahimian, M.H., Shimi, P and **Atri, A**. 2000. Genetic variation in allelopathic activity of wheat (*Triticum aestivum*) genotypes. *Wheat Information Services Journal*. No:91:25-29

#### Full papers published in scientific journals of internal research

- 1) Baghestani, M., Zand, A., Lotfi, A., **Atri, A**.and Mottaqiq. S. 1391. Reaction of different species of wild barley (*Hoedeum spp.*) To the time of use and the amount of sulfosulfuron herbicide. *Journal of Plant Conservation*, Vol. 23 No. 3, p. 251-143
- 2) **Atri, A**., Zand, A., Partovi, M., Alizadeh, M., Bazoubandi, M., Hatami, S., Nazari, S., Maknali, A. and Moradi, A. 2010. Investigating herbicide resistance of pigweed (*Amaranthu ssp.*) to the common herbicides in some sugar beet regions of the country. *Journal of Plant Production Technology*, Vol. 10, Issue 1. Pp. 48-35.

- 3) Zand, E., baghestani, M., Labbafinejad, H., **Atri,A.**, Minbashi, M. 1389. Weed-resistant weed monitoring in Iran. *Environmental Sciences, 7th year, No. 4. p. 128-119.*
- 4) Yaghoubi, B., Mazaheri, D. Baghestani, M. Alizadeh,M., **Atri,A.2010.** Study of some growth indices of native and modified rice cultivars (*Oryza sativa L.*) in competition with barnyard grass (*Echinochloa crus-galli L.*) *Journal of Pazhouhesh and sazanegi. Winter 2010*
- 5) Zand, A., **Atri,A.**, Baghestani, M., Dastan, F., Pourbeik, M. 1389. Resistance of *Lolium rigidum* to herbicide of clodinafop propargil in Fars's province. *Journal of Pazhouhesh and sazanegi Winter 2010*

### SOME CONDUCTED PROJECTS

- 1) **Atri. A. 2020.** Evaluation of herbicide efficacy of the Fist Super (Pendimethalin) on weed control in potato fields.
- 2) **Atri. A. 2019.** Evaluation of Sencor (SC-600) in weed management of tomato
- 3) **Atri, A.2018.** Evaluation of some graminicides in onion fields
- 4) **Atri, A.2018.** Investigating the effects of new herbicide pendimethalin (Prowl) on the control of weeds in onion
- 5) **Atri, A.2017.** Investigating the effects of new herbicide pendimethalin (Prowl) on the control of weeds in onion
- 6) **Atri, A.2017.** Database for weed, pest and diseases management of corn

### SOME CURRANT PROJECTS

- 1) **Atri. A. 2019.** Internet of Things in Agriculture (2019 to date)
- 2) **Atri. A. 2019.** Big data in Agriculture (2019 to date)
- 3) **Atri. A. 2020.** Weed robot using artificial intelligence and Machin vision (2020 to date)
- 4) **Atri. A. 2018.** Smart Irrigation in Uromieh Lake in Iran (2018 to date)
- 5) **Atri. A. 2018.** Smart farming in apple orchards (2018 to date)
- 6) **Atri. A. 2018.** Smart livestock in some places in Iran (2018 to date)