



University of Tehran

CV for: AGHIL YARI

Address: Irrigation and Drainage Department



College of Aboureyhan
University of Tehran
Pakdasht – Tehran
Tehran, Iran.

Postal Code: 3391653755

Cell phone: +98 9122530734

E-mail: aghilyari@yahoo.com

Web site: www.soilwaterplant.com

Degree

- **B.S.** in Irrigation Engineering, College of Abourayhan, Tehran University. Tehran, Iran. (2004). www.ut.ac.ir
- **M.S.** in Irrigation Engineering, College of Abourayhan, Tehran University. Tehran, Iran. (2007). www.ut.ac.ir

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Biography

Born in Saveh, Iran on March 11 1977, he grew up in a small beautiful village. After finishing the primary school, he went to Qom to pursue the study at high school. Seven years later, he received his diploma and finished the mandatory service in the Iran's military. In 2000, he got a position to study Irrigation & Drainage engineering at Tehran University. Four years later when he received his bachelor's degree, he was suggested the most exciting offer of his whole life! The head of Irrigation & Drainage department offered him a job at the university. Employed at the university, he tried to establish an Irrigation & Drainage laboratory. Continued to study as a graduate student in Irrigation department, He received the M.Sc. degree from Tehran University in 2008.

About me

I have over 5 years of research and practical experience in the area of irrigation and drainage, intelligent irrigation, pressurized Irrigation, pumping plants, management of irrigation projects, sport and landscape irrigation systems. My work field also includes application of artificial neural networks in different disciplinary fields such as evapotranspiration and hydraulic conductivity, design of irrigation canals, soil moisture equipment,

and measurement of hydraulic conductivity methods. Besides, I am still working in Irrigation & Drainage Laboratory of Tehran University. I have participated in a number of training and research projects held in Iran, as well as I have published over 12 journal or conference papers and conducted more than 22 projects in irrigation field so far.

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- B.S. in Irrigation Engineering, College of Abourayhan, Tehran University. Tehran, Iran. (2004). www.ut.ac.ir
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Thesis

- "Estimating Reference Evapotranspiration Using Artificial Neural Networks at different climates"

Membership

- Agricultural & Natural Resources Engineering Organization. <http://www.agri-eng.org>
- Irrigation & Drainage Research Group, Director. <http://www.soilwaterplant.com>
- Tehran University, Researcher. Irrigation & Drainage LAB. <http://www.ut.ac.ir>
- Tehran University, Technology Incubator, FAGA Company, Director. <http://www.soilwaterplant.com>
- Water Engineering Journal (*Asre Ab*), Editorship.

<http://www.wej.ir>.

- American Society of Civil Engineers. (ASCE).

<http://www.asce.org>

Experiences

- COMPUTER (software & programming):
 - Visual Basic, Matlab, Artificial Neural Networks, Hec-Ras, AutoCAD, Cropwat, Ms office.
- IRRIGATION:
 - Crop water requirements, Reference Evapotranspiration,
 - Intelligent irrigation systems (pressurized)
 - Artificial Neural Networks.
- MANAGEMENT:
 - Technical management and support of irrigation projects
 - Technical management and support of water management projects

I.R. Patents

- 1- A Computer-based **Central Control System** for Pressurized Irrigation
#47238
- 2- A Low-Cost **Soil Moisture Sensor** **#47223**
- 3- Small and Low-Cost **Programmable Drip Irrigation Package** for
Watering Indoor Ornamental Plants **#37660**.

Papers

- **Yari, A.**, M. Shaghaghi, A. Darzi and R. Pahlavan, 2006. The Best Method of Guelph Analyses for Measuring Loamy Soils Saturated Hydraulic Conductivity. Journal of Applied Sciences 6 (12): 2657-2661.
- Darzi, A., **A, Yari.**, Sabe. G. and H. Bageri, 2007. A study of Variation of Saturated Hydraulic Conductivity with time. 2008. Journal of irrigation and drainage engineering. aug 2008.
- **Yari, A.**, Ataei, R., 2005. A New Emitter for Drip Irrigation Systems, “3rd. Asian Regional Conference - Transforming Irrigated Agriculture into an Efficient Engine of Growth”.
- Shaghaghi, M. A, Darzi, **A, Yari** and R. Pahlavan, 2007. Comparison of inverse hole method and Guelph permeameter analyses in loamy soils. Agricultural Sciences & Technology Journal. 1(21): 65-75.
- A. Darzi, M. Shaghaghi, **A, Yari** and R. Pahlavan, 2007. Evaluating of inverse hole and Guelph permeameter analyses to estimate loamy soils saturated hydraulic conductivity. Iranain Journal of Agricultural Sciences. Vol 1 (38):87-92.
- Osroosh, Y., **A. Yari**, S. S. Eslamian, A. Kermaniha, A. Payam, M. Vatan Ara, H. Jamshidi Pour, A. Pouramin, A. Falahkohan and F. Milanian, 2007, Development of Central Control System for Pressurized Irrigation Systems, Proceedings of the first Workshop on Automation of Pressurized Irrigation Systems, Iranian National Committee on Irrigation and Drainage (IRNCID), 47-60. (This paper was selected as one of the two best papers of the workshop!).
- **Yari, A.**, M, Mashal., J, Jebelli., A, Darzi, 2006, Calibration and optimization of turnout siphon at flume in irrigation networks. Proceedings

of the First National Conference on Irrigation and Drainage Networks Management, vol(1): 141-149.

- **Yari, A.**, M R, Behbahani,. A, Rahimi Khoob,. M E, Banihabib. 2008. Estimating Reference Evapotranspiration Using Artificial Neural Networks. Proceedings of the second National Conference on Irrigation and Drainage Networks Management.
- Darzi, A., **A, Yari**. 2007. Irrigation Scheduling is important step in steady agriculture development. Agricultural & Natural Resources Engineering Regulation. 4(16): 70-72.
- Osroosh, Y., **A. Yari.**, M.E. Banihabib., S, Marofi.2009. Non-Contact Ultrasonic Water Level Recorder in River engineering. Proceedings of the second National Conference on Irrigation and Drainage Networks Management.
- Osroosh, Y., A, Sabziparvar,. **A. Yari.**, A.M. Liaghat .2009.Computer-Based Weighing Lysimeter Logger. Proceedings of the second National Conference on Irrigation and Drainage Networks Management.
- **A. Yari.**, A, Darzi,. S.M.Mosavi,. R. Yari. 2009. Application of DRAINMOD Model to Design and monitoring of Drainage Systems in Irrigated lands "Case Study: Ghazali unit of agro-industry lands of Khuzestan". Proceedings of the second National Conference on Irrigation and Drainage Networks Management.

Projects

1. VFD-based intelligent pumping system (software & hardware), Iran Water Resources Management Company (WRM), 2007. (Assistant)

2. Ultrasonic range meter for open channels, Irrigation Department (Pakdasht), College of Aboureyhan, Tehran University, 2007. (Assistant)
3. VFD-based pumping system for unsteady-state flow investigation, Department of Irrigation & Reclamation (Karaj), College of Agriculture & Natural Resources, University of Tehran, 2007. (Assistant)
4. Control and automation of irrigation system of Azadi Square (Tehran), 2007.
5. Computer-based data-logging system of weighing lysimeter stations, Department of Irrigation & Reclamation (Karaj), College of Agriculture & Natural Resources, University of Tehran, 2007. (Assistant)
- 6- Sprinkler and drip irrigation system design, (Zanjan) 2006.
- 7- Automation of irrigation system for Abhar Azad University, (Zanjan) 2006.
- 8- Irrigation canal design, (Ghazvin) 2005.

Language:

- English: ○ Reading & Writing: good ○ Speaking: good
- Persian: ○ Reading & Writing: good ○ Speaking: good
- Turkish: ○ Native language

Painting:

- Drawing
- Oil color technique

Sport:

- Swimming: the crawl and the back