

Hiwa Golpira (He/Him)

Associate Professor

Born: 13 September 1972

Place of Birth: Sanandaj, Kurdistan, Iran

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Short Biography

Hiwa Golpira received the B.Sc., M.Sc., and Ph.D. degrees in Agricultural Engineering. Before joining the University of Kurdistan (UOK) as a lecturer in the Department of Agronomy in 2002, Hiwa founded a startup focused on agricultural equipment design. He rejoined UOK in 2009 as an assistant professor in the Department of Biosystems Engineering. His teaching responsibilities focus on machine design and advanced instrumentation. Hiwa has conducted eight research projects employing mathematical models, hybrid computational algorithms, and data-driven simulators, resulting in four patents and two awards. He has attended several international conferences, events, working groups, and visiting professor programs abroad. Hiwa has been working on climate-smart circular bioeconomy to enhance sustainable development and food security.

Education

- Associate Research Fellow, *KULeuven*, Belgium 2009
- PhD, *Tarbiat Modares University*, Tehran, Iran 2004-2009
- MSc, *Shiraz University*, Fars, Iran 1996-1998
- BSc, *Urmia University*, West Azerbaijan, Iran 1992-1996

PUBL.

Hiwa has published 16 journal papers.

Please [CLICK](#) to see the complete list of publications.

Patents.

- **Golpira H.**, and Golpira H. Soft simulator for machine design. I. R. Patent No. 1398123. 2020
- Golpira H. A pneumatic machine for chickpea harvesting. I. R. Patent No. 1396284. 2016
- Golpira H. The design and development of a fruit sorter. I. R. Patent No. 68915. 2011
- Golpira H. The design and development of a rotary harrow. I. R. Patent No. 68916. 2011
- Golpira H, and Tavakoli T. The design and development of a chickpea harvester. I. R. Patent No. 68914. 2011

RES. Area

- Design and fabrication of equipment
- Digitalization in agriculture
- Modeling and simulation of biosystems
- Climate-smart circular bioeconomy



Social

activities

- (Mini-symposium CCB 2025 , UOK
- Mini-symposium on CBE 2024 , UOK
- Computer-aided design festival for students (in collaboration with Iran's National Elites Foundation, Kurdistan branch and UOK incubator center)
- Mentoring undergraduate students in UOK incubator center festival, 2015. The team was awarded.



Awards Honors

- | | |
|------|---|
| 2016 | ▪ Royesh-e-Zagros Innovation Festival, Iran's National Elites Foundation. |
| 2016 | ▪ Iran Newspaper, The design and development of a chickpea harvester |
| 2011 | ▪ Top innovator, UOK incubator center. |



Professional Services

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| ➤ Associate Editor for CIGR Journal: Agricultural Engineering International | 2019–2024 |
| ➤ Collaborating with Agricultural Robotic Laboratory, UPV, Spain | 2019–present |
| ➤ Secretary of the CIGR Technical Section III: Plant Production | 2022–2026 |
| ➤ Member of the CIGR working group of circular bioeconomy (CBE) | 2023–present |
| ➤ Secretary of the CIGR Technical Section III: Plant Production | 2026–2030 |



Collaborations

- | | |
|--|------|
| ➤ Visiting professor, LfL, Munich, Germany | 2022 |
| ➤ Visiting professor, UPV, Valencia, Spain | 2019 |
| ➤ Participation in CIGR Next Leader Event | 2019 |
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