



## Rouhollah Farhadi

Assistant Professor

College: Faculty of Agricultural Engineering and Rural Development

### Education

Degree	Graduated in	Major	University
BSc	2004	Agricultural Machinery Engineering	Shahid Chamran University of Ahvaz
MSc	2007	Mechanical Engineering of Agricultural Machinery	Shahrekord University
Ph.D	2017	Biosystem Engineering	Urmia University

### Workshops

#### Workshops:

1. Introduction to the reference management software (EndNote and Mendeley).
2. Regression and data fitting in MATLAB

#### seminars:

1. Application of computational fluid dynamics in agriculture.

### Papers in Conferences

1. Rouhollah Farhadi. Investigation of Temperature Distribution Manner in a Solar Air Heater. 27th National Congress of Food Science and Technology of Iran. 2021.
2. Rouhollah Farhadi. Light Interception Models in Agricultural Plants. 10th National Congress on Agriculture and Sustainable Natural Resources. 2020.
3. Rouhollah Farhadi و Morteza Taki. Investigation of effective factors on shadow formation in a flat plate solar collector. The first national conference on agricultural and environmental sciences in Iran. 2019.

### Papers in Journals

1. Rouhollah Farhadi, Elimination of chemical controls in hydroponic cultures using solar energy, *Journal of Cleaner Production*, 2021 10 01.
2. MORTEZA TAKI و ROUHOLLAH FARHADI. Application of Artificial Neural Network Models (MLP and RBF) and Support Vector Machine (SVM) to Estimate the Shadow in Flat-plate Solar Collectors in Iran. *Iranian Journal of Biosystem Engineering*. ۲۰۲۱. ISC.
3. ROUHOLLAH FARHADI و MORTEZA TAKI. Determination of the Proper Distance between the Absorber Plate and One-layer Cover in Flat-plate Solar Collectors Using Numerical Method. *Iranian Journal of Biosystem Engineering*. ۲۰۲۰. ISC.
4. Rouhollah Farhadi , Rahman Farrokhi Teimourlou , Majid Abbasalizadeh , Youbert Ghosta, Clean agricultural production by solar water disinfection in hydroponic systems using synergistic effects, *Sustainable Energy Technologies and Assessments*, 2022 5 31.
5. Rouhollah Farhadi , & Morteza Taki, The energy gain reduction due to shadow inside a flat-plate solar collector, *Renewable Energy*, 2020, JCR.
6. Rouhollah Farhadi , Morteza Taki , Saman Abdanan Mehdizadeh, An algorithm and a flexible Fortran code for the computation of solar energy reception on a curved surface, *Sustainable Energy Technologies and Assessments*, 2020, JCR.
7. Morteza Taki , Abbas Rohani , Hasan Yildizhan , Rouhollah Farhadi, Energy-exergy modeling of solar radiation with most influencing input parameters, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 2019, JCR.