



Rasoul Meamar Dastjerdi

Assistant Professor

College: Faculty of Agricultural Engineering and Rural
Development

Education

Degree	Graduated in	Major	University
BSc	2001	Agricultural Machinery Engineering	Shahid Chamran University of Ahvaz
MSc	2004	Mechanic of Agricultural Machinery Engineering	Tarbiat Modarres University
Doctoral	2012	Mechanic of Agricultural Machinery Engineering	Tarbiat Modarres University

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Department of Agricultural machinery and mechanization	Faculty member	Tenured	Full Time	12

Subjects Taught

- Statics
- Differential Equations
- Dynamics
- Strength of Materials
- Soil and Machin Intraction
- Engineering proprties of Biological Materials
- Finite Element

Papers in Journals

1. M Rezaiemehr , R Meamar Dastjerdi* , Saadatfard. Investigating the factors affecting the potato peeling machine, using a combination of mechanical and chemical methods. Iranian Journal of Biosystems Engineering. ۲۰۲۳/۱/۲۱.

2. F Moradi Ganjeh , R Meamar Dastjerdi* , M Heidari , MH Movahednejad. Investigation and modeling of lemon properties with different coatings under storage conditions with artificial neural network and regression models. *Innovative Food Technologies*. ۲۰۲۲/۷/۲۳.
3. Hamidreza Khalifeh , Majid Rahnama* , Navab Kazemi , Rasoul Meamar Dastjerdi. Evaluating the Performance of a Threshing Machine for Purslane in Laboratory Scale. *Iranian Journal of Biosystems Engineering*. ۲۰۲۱/۴/۲۱.
4. M Asafi , R Meamar Dastjerdi* , M Noshad. The Effect of Rotational Speed, Temperature, Type of Screw and Die Diameter on the Amount of Oil Extracted from Sesame. *Journal of Agricultural Machinery*. ۲۰۲۰/۹/۲۲.
5. An investigation of effective parameters on pressure drop in vertical dilute phase pneumatic conveying of corn seed. *Journal of Researches in Mechanics of Agricultural Machinery*. ۲۰۲۰/۳/۲۰.
6. M. Karampour , R. Meamar Dastjerdi* , M. Rahnama , M. Saadatfard. Investigating the Factors Affecting on The Amount of Date Pit Powder in a Model Mill. *Food Engineering Research*. ۲۰۲۰/۲/۲۰.
7. F Moradi Ganjeh , R Meamar Dastjerdi* , M Heidari , MH Movahednejad. The effect of chitosan-clay Nano composite, wax coatings and olive oil on some quality properties of sweet lemon during shelf life storage. *Journal of Agricultural Engineering Soil Science and Agricultural Mechanization*. ۲۰۲۰/۱۱/۲۱.
8. Pouya Kohansal Makvandi , Majid Rahnama* , Rasoul Memar Dastjerdi , Alireza Shafeinia. Evaluation of some Effective Parameters in Design of Horizontal Dilute Phase Pneumatic Sugar Conveyors. *Journal of Agricultural Engineering Soil Science and Agricultural Mechanization*. ۲۰۱۹/۷/۲۳.
9. Sahar Sohrabi , Rasoul Meamar Dastjerdi* , Majid Rahnama , Amin Lotfi Jalal Abadi. The Study of Effective Parameters in Pneumatic Transfer on Quality Properties of Corn Seeds. *Iranian Journal of Biosystems Engineering*. ۲۰۱۹/۳/۲۱.
10. M Asafi , R Meamar Dastjerdi* , M Noshad. Modeling quality changes of sesame oil during extraction process using intelligent and regression system. *Innovative Food Technologies*. ۲۰۱۸/۷/۲۳.
11. R. Meamar Dastjerdi* , S. Minaei , M. H. Khoshtaghaza , Quality Analysis of Pear Fruit of Shah Miveh variety Using Nondestructive Ultrasonic Technique. *Journal of Agricultural Machinery*. ۲۰۱۴/۹/۲۳.
12. R. Meamar Dastjerdi , S. Minaei* , M. H. Khoshtaghaza. Design, Fabrication and Testing of Exponential Horn for Measuring Ultrasonic Attributes of Agricultural Produce. *Journal of Agricultural Machinery*. ۲۰۱۲/۱۲/۱.

Thesis

1. Evaluating the effect of polyethylene packaging on physical and chemical properties of lettuce during Storage life
2. Design, construction and testing of a potato peeling machine, using a combination of mechanical and chemical method
3. Design, Construction and Evaluation of a Briquetting Charcoal Machine from Agricultural Wastes (case study: Sugarcane Bagasse)
4. Evaluation of Physical and Chemical Properties of Sweet Lemon fruit with Nano Biocomposite Coating of Chitosan-Clay during Storage
5. Prediction of sugarcane yield using of aerial system and evaluating of crop energy indices
6. Construction and initial evaluation of Solar Desalination
7. Design, fabrication and Performance testing of threshing machine for purslane in laboratory scale
8. Design, fabrication and testing of vertical pneumatic conveying of corn in dilute phase
9. Design, fabrication and testing of solar and infrared dryer for onion
10. Design, construction and evaluation of oilseeds extraction machine for small units (Case Study, sesame)
11. Design, fabrication and initial test of palm seed cracker equipped with two types of impact blade
12. Design, fabrication and testing of horizontal pneumatic conveyor of granulated sugar in dilute

phase

13. Design, construction and testing of combined infrared - hot air dryer (case study: white shrimp)