





NAME & SURNAME: Moosa Meskarbashee

DATE OF BIRTH: December 24, 1954

 **ADDRESS, SUBURB, STATE, POSTAL CODE:** Department of Plant Production and Genetics, Agriculture Faculty, Shahid Chamran University of Ahvaz, Ahvaz, Iran. Postcode: 61357-43311

 **PHONE/MOBILE NUMBER:** +986133330016, +989163130787, Fax:+986133330079

 **E-MAIL ADDRESS:** m_meskarbashee@scu.ac.ir, m_meskarbashee@gmail.com

PROFESSIONAL PROFILE:

Professor of Crop Physiology in Shahid Chamran University (SCU) of Ahvaz, Iran

EDUCATION BACKGROUND:

Ph.D.: Crop Physiology (June 2005), Shahid Chamran University (SCU) of Ahvaz, Ahvaz, Iran

Thesis title:

A Study of Plant Residue and Fertilizer Levels Effects on Some Important Agronomic Characters and Yield of Two Wheat Cultivars in Ahvaz Climate Conditions

M.Sc.: Department of Agronomy, Faculty of Agriculture (1991), Tabriz University, Tabriz, Iran

Dissertation title:

Effect of Irrigation Cycles and Different Amounts of Nitrogen Fertilizer on Corn Yield

B.S.: Faculty of Agriculture (1985), Shahid Chamran University (SCU) of Ahvaz, Ahvaz, Iran

TEACHING AND TRAINING EXPERINCE:

Undergraduate Courses:

Cereal Crop Production

Experimental Design in agriculture

Graduate Courses:

Seed Technology

Applied Statistics in Agriculture

Modeling in Field Crops

HONOURS AND AWARDS:

The best teacher in the Faculty of Agriculture in 2018

RESEARCH ACTIVITIES:

PUBLICATIONS:

Books:

- 1- Software Analyzer SAS (for windows) and It's Application in Agricultural Research, Shahid Chamran University of Ahvaz, Ahvaz, Iran, 2011

Research articles:

- 1- Evaluation of physiological and yield characteristics of safflower cultivars in response to alicyclic acid foliar application and late- season heat stress. Maryam Goodarzian Ghahfarokhi, Moosa Meskarbashee, Afrasyab Rahnama, Donald L. Smith. Iranian ournal of Field Crop Research, Volume & Issue: Volume 51, Issue 3, Autumn 2020
- 2- Study of Bud Emergence Characteristics and Seedling Growth of Sugarcane (*Saccharum officinarum*) Cultivars in Different Planting Date. Mohammad Amin Makvandi, Mousa Meskarbashee, Payman Hassibi, Hasan Hamdi. Iranian Journal of Seed Research, 2020, 6(2):81-94
- 3- Investigating the Effect of Biochar and Hydrochar (Sugar Cane Bagasse) on Yield, Water Productivity and Nitrogen Leaching in Maize Cultivation. MARYAM KAZEMIZADEH, ABDALI NASERI, ABDOLRAHIM HOOSHMAND, MONAGOLABI1, MOUSA MESKARBASHI. Volume & Issue: Volume 51, Issue 3, June 2020, Pages 753-761
- 4- Evaluation of yield, water use efficiency and Nitrogen efficiency in corn cultivation in Khuzestan province Maryam Kazemizadeh, Abdorahim Hooshmand, Abdali Naseri, Mona Golabi, And Muosa Meskarbashee. Journal of Water and Soil Resources

Conversation, Volume & Issue: Volume 9, Issue 1, Autumn 2019, Pages 35-50

5- Assessment of phyllochron and leaf development indices of sugarcane (*Saccharum officinarum* L.) cultivars under southern Khuzestan climatic conditions. M. A. Makvandi, M. Meskarbashi, P. Hasibi and H. Hamdi. Iranian Journal of Crop Sciences, Volume 21, Issue 1 (Spring 2019), Pages 45-61

6- Effect of Terminal Heat Stress on Some Agronomic, Physiological and Oil Yield Traits of Safflower Cultivars (*Carthamus tinctorius*L.) under Ahvaz Conditions. F.Salehi, A.Rahnama Ghahfarokhi, M.Meskarbashee, Kh.Mehdikhanlou. Iranian Journal of Field Crops Research, Vol.17, No.3, Fall. 2019, p. 491-502

7- Root Growth and Architecture Responses of Bread Wheat Cultivars to Salinity Stress. Afrasyab Rahnama Ghahfarokhi, Shokoh Fakhri, Moosa Meskarbashee, Agronomy Journal, Number 6 , Page 1 - 8 , Publisher American Society of Agronomy. 2019

8- Effect of Drought Stress and Silica Spraying on Some Physiological and Functional Traits of Canola Cultivars. Ebrahim Fani, Payman Hassibi, Moosa Meskarbashee, Khosro Mehdi Khanlou, Abdolreza Seid Ahmadi. BULGARIAN JOURNAL OF AGRICULTURAL SCIENCE , Number 1 , Page 62 - 66 , Publisher the Agricultural Academy in Bulgaria. 2019

9- Effects of Heat Stress after Anthesis on PSII Photochemical Efficiency and the Antioxidant Activity of Wheat Cultivars. Mahroo Mojtabaei Zamani, Majid Nabipour, Moosa Meskarbashee. JOURNAL OF AGRICULTURAL SCIENCES , JCR , Number 1 , Page 72 - 81 , Publisher. 2018

10- Mechanisms of resistance to metribuzin of new resistant biotypes of jungle rice (*Echinochloa colona*) in sugarcane fields of hot semi-arid climates. Majid Nabipour, Seyed Reza Ahmadpour, Moosa Meskarbashee, Hamid Rajabimemari, Masoumeh Farzaneh. Australian Journal of Crop Science, Number 07 , Page 868 - 873 , Publisher SOUTHERN CROSS PUBL. 2017

11- Estimation of groundwater contribution to water needs of date palm seedlings under different farm management practices. Parvaneh Tishehzan, Abd Ali Naseri, Ali Reza Hassanoghli, Moosa Meskarbashee. Crop Research . Number 1,2,3 , Page 68 - 77, Publisher Agricultural research informatiocenter. 2016

12- The effect of nitrogen and chlorophyll content of dry matter production three wheat cultivars in climatic conditions in Ahvaz. Naji Sayahi, Majid Nabipour, Raza Mamghani, Moosa Meskarbashee. International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS). Number 7 , Page 4725 - 4733 , Publisher BP PUBL , 2015

13- The effect of salicylic acid on ion relations and some biochemical traits of two sugar beet cultivars under salinity stress. Maryam Mohammadi, Habibolla Roshanfeker, Payman Hassibi, Moosa Meskarbashee. Journal of Biodiversity and Environmental Sciences , Number 2 , Page 40 - 49, Publisher INTERNATIONAL NETWORK

NATURAL SCIENCES-INNSPUB, 2015

14- Stem Water Soluble Carbohydrate Remobilization in Wheat under Heat Stress during the Grain Filling , Mahroo Mojtabaei zamani, Majid Nabipour, Moosa Meskarbashee. International Journal of Agriculture and Biology (IJAB), Number 2 , Page 401 - 405 , Publisher Friends Science Publishers , 2014.

15- Stem Internode Reserves and Mobilization of barley Genotypes during Grain Filling under Terminal Drought. Mona Poureisa, Majid Nabipour, Moosa Meskarbashee. International Journal of Agronomy & Plant Production, Number 10, Page 2673 - 2679 , Publisher VictorQuest, 2013.

16- Effect of Priming on Germination and Biochemical Indices of Chicory Seed (Cichorium intybus L.). Farideh Sedighy Dehkordi, Majid Nabipour, Moosa Meskarbashee. SCIENCE SERIES DATA REPORT, Number 9, Page 24 - 33 , Publisher CENTRE ENVIRONMENT, FISHERIES AQUACULTURE SCIENCE-CEFAS, 2012.

17- Effects of Infiltration Variability on Furrow Irrigation Performances. Adel Bavi, Saeed Boroomand-Nasab, Abd Ali Naseri, Ghodrat Naser, Moosa Meskarbashee. New York Science Journal. Number 6, Page 12 - 19 , Publisher Marsland Press , 2012.

18- Groundwater Contribution With Different Salinities on Providing Maize Water Requirement and Its Effects on Maize Yields. Gholam Hossein Karimi, Abd Ali Naseri, Majid Behzad, Moosa Meskarbashee. Research on Crops, Number 3, Page 848 - 856 , Publisher Agricultural research information center, 2011.

19- Effects of shallow saline water table management on the root zone salt balance and date palm growth in South-West Iran. Parvaneh Tisheh Zan, Abd Ali Naseri, Ali Reza Hassanoghli, Moosa Meskarbashee. Research on Crops, Number 3, Page 839 - 847, Publisher Agricultural research information center, 2011.

20- The Effect of Pod and Priming on Germination of Sainfoin Seed. Seyed Jalil Nourbakhshian, Majid Nabipour, Moosa Meskarbashee, Reyhaneh Amoaghaei. Australian Journal of Basic and Applied Sciences, Number 7, Page 800 - 807, Publisher ANSInet, 2011.

21- Optimization of Hydro-and Osmo-Priming in Different Seed Size of Sainfoin (Onobrychis visiiifolia Scop). Seyed Jalil Nourbakhshian, Majid Nabipour, Moosa Meskarbashee, Reyhaneh Amoaghaei. Australian Journal of Basic and Applied Sciences, Number 11 , Page 1236 - 1244, Publisher ANSInet, 2011.

22- Evaluation of Germination and Biochemical Indexes of Sainfoin Hydroprimed seed. Seyed Jalil Nourbakhshian, Majid Nabipour, Moosa Meskarbashee, Reyhaneh Amoaghaei. AMERICAN-EURASIAN JOURNAL OF AGRICULTURAL & ENVIRONMENTAL SCIENCES, Number 5, Page 671 - 678, Publisher INT DIGITAL ORGANIZATION SCIENTIFIC INFORMATION-IDOSI, 2011.

23- Effects of gibberellic acid on sugarcane plants exposed to salinity under a hydroponic system. Mahmood Shomeili, Majid Nabipour, Moosa Meskarbashee,

Hamid Rajabi Memari. African Journal of Plant Science, Number 10, Page 609 - 616, 2011.

24- Evaluation of sugarcane (Saccharum officinarumL.) somaclonal variants tolerance to salinity in vitro and in vivo cultures. Mahmood Shomeili, Majid Nabipour, Moosa Meskarbashee, Hamid Rajabi Memari. African Journal of biotechnology, JournalNumber 46, Page 9337 - 9343, 2011.

25- Investigation on the effects of conventional irrigation (CI), regulated deficit irrigation (RDI) and partial root zone drying (PRD) on yield and yield components of sunflower (Helianthus annuus L.). Mohammad Albaji, Majid Behzad, Saeed Boroomand-Nasab, Abd Ali Naseri, Ali Shahnazari, Moosa Meskarbashee, Faramarz Joodi, Mehdi Jovzi. Research on Crops, Number 1, Page 142 - 154, Publisher Agricultural research information center, 2011.

26- Simulating the Effects of Planting Date and Nitrogen Fertilizer on Yield and Phenological Stages of Maize Cultivar SC-604 at Climatic Conditions of Southwestern Iran Using CERES-Maize Model., Mohamad Reza Delfiye, Moosa Meskarbashee, Bharam Andarzian, Roozbeh Farhoudi. Research on Crops, Number 2, Page 326 - 335 , Publisher Agricultural research information center, 2011.

27- Evaluation of CERES-Maize Model for Simulating the Growth and Development of Maize Cultivar SC-604 at the Climatic Conditions of Southwestern Iran. Mohamad Reza Delfiye, Moosa Meskarbashee, Bharam Andarzian, Roozbeh Farhoudi, Saeid Saeidipour . Research on Crops, Number 2, Page 320 - 325 , Publisher Agricultural research information center, 2011.

28- Evaluation of sunflower silage in different developmental stages, Elahe Mafakher, Moosa Meskarbashee. Payman Hassibi, Mohamad Mashaieghi. Asian journal of Crop Science. Number 1, Page 20 - 24, Publisher Asian Network for Scientific Information, 2010.

29- Study of Chemical Composition and Quality Characteristics of Corn, Sunflower and Corn-Sunflower Mixture Silages. Elahe Mafakher, Moosa Meskarbashee. Payman Hassibi, Mohamad Mashaieghi. Asian Journal of Animal & Veterinary Advanced. Number 5, Page 175 - 179, 2010.

30- Evaluation of Land Quality for Surface, Sprinkle and Drip Irrigations in Mianbandan Plain, Iran. Saeed Boroomand-Nasab, Mohammad Albaji, Moosa Meskarbashee, Lena Albaji, Yasamin Sobhani, Hossin Shahrooi. Research on Crops, Number 3 , Page 590 - 597 , Publisher Agricultural research information center, 2009.

31- Effect of row spacing and plant density on radiation use efficiency and extinction light coefficient on canopy of chickpea cultivars. Omid Yeylagh Jagha khor, Moosa Meskarbashee, Raza Mamghani, Majid Nabipour. Research on Crops, Number 3, Page 545 - 554, Publisher Agricultural research information center, 2009.

32- Effect of Salt Stress on Chlorophyll Content, Fluorescence, Na⁺ and K⁺ Ions Content in Rape Plants (Brassica napus L.). Vahid Atlasi Pak, Majid Nabipour, Moosa Meskarbashee. Asian Journal of Agricultural Research, Number 2, Page 28 - 37,

Publisher Science Alert Malaysia, 2009.

33- Effect of planting pattern on morphology, yield, and yield components of three spring canola varieties in Ahvaz climatic conditions. Vahid Atlasi Pak, Moosa Meskarbashee, Raza Mamghani. Research on Crops, Number 1, Page 39 - 44, Publisher Agricultural research information center, 2008.

34- Sodium and potassium accumulation in different parts of wheat under salinity levels, Majid Nabi poor, Moosa Meskarbashee, Saeed Farzad, Asian Journal of Agricultural Research, Number 3, Page 97 - 104, Publisher Science Alert Malaysia, 2007.

CONFERENCE PRESENTATIONS:

1- Effect of organamine fertilizer on some morphological properties and sunflower grain yield. Davood Amidinasab, Moosa Meskarbashee, Afrasyab Rahnama Ghahfarokhi, 16th National Iranian Crop Science Congress, 01-25-2020, by Ramin Agriculture and Natural Resources University, Iran.

2- Investigation of weeds status at different densities of Sunflower cultivation. Davood Amidinasab, Moosa Meskarbashee, Afrasyab Rahnama Ghahfarokhi, 16th National Iranian Crop Science Congress, 2020-01-25 by Ramin Agriculture and Natural Resources University, Iran.

3- Investigating the effect of salinity stress on quantum photosystem II yield (Φ PSII) and Nonphotochemical quenching in wheat Mojgan Abdeshahian, Majid Nabipour, Mosa Meskarbashee. 15th National Iranian Crop Science Congress, sep. 4-6, 2018, Karaj, Iran.

4- Determination of seedling growth differences of sugar cane cultivars in different planting dates M. A. Makvandi, M. Meskarbashee, P. Hassibi, H. Hamdi. 15th National Iranian Crop Science Congress, sep. 4-6, 2018, Karaj, Iran.

5- Effect of Thermal Stress on Some Growth Characteristics of three Safflower cultivars. Farshad salehi, Rahnama Afrasyab, Mosa Meskarbashee, Mehdikhanlou Khosro. 15th National Iranian Crop Science Congress, sep. 4-6, 2018, Karaj, Iran.

6- The effect of cover crop rye and hairy vetch and its mulch on weeds control in wheat field Fatemeh Abdani, Masoumeh Farzaneh, Moosa Meskarbashee. 2th International and 14th National Iranian Crop Science Congress, Aug.30- Sep.1, 2016. University of Guilan, Rasht, Iran.

7- Effect of seed priming on antioxidant enzymes activity in sainfoin seedling in drought stress. Noorbakhshian, S. J., Nabipour, M., Meskarbashee, M. and Amooaghaie, R. Third Iranian Conference of Plant Physiology, May 7, 2014 To Friday, May 9, 2014. Isfahan University of Technology, Iran.

8- The study of physiological responses of two bread wheat cultivars exposure to NaCl and KCl. Shokooh Fakhri, Afrasyab Rahnama, Mousa Mesgarbashi, Seyed MohammadAlavi

Matin. 11th International and 13th National Iranian Crop Science Congress, August 26-28, 2014, Karaj, Iran.

9- Root growth response of two bread wheat cultivars under saline soil conditions. Shokoh Fakhri, Afrasyab Rahnama, Mousa Mesgarbashi, Seyed Mohammad Alavi Matin. 11th International and 13th National Iranian Crop Science Congress, August 26-28, 2014, Karaj, Iran.

10- Evaluation of Changes in the Rate and Duration of Grain Filling in Ten Bread Wheat Genotypes Under Heat Stress During Grain Filling. From Wednesday, May 7, 2014 To Friday, May 9, 2014. Third Iranian Conference of Plant Physiology, May 7-9 2014, Isfahan University of Technology, Iran.

RESEARCH PROJECTS:

1- Comparison of conventional irrigation methods, local irrigation drought as root drought on water productivity, water use efficiency, salinity and alkalinity distribution in soil, harvest index and amount of sunflower yield

2- Comparison of Yield and Yield Components of tiller and Low tiller Wheat Types with Controls in Ahvaz Climatic Conditions

3- The effect of bacterial inoculation on wheat yield in Ahvaz climatic conditions

4- The effect of different levels of density at the time of nitrogen consumption on the quantity and quality of rapeseed oil (Hayola cultivar) in Ahvaz climatic conditions

PROFESSIONAL MEMBERSHIPS:

- Member of National Iranian Crop Science
- Member of Iranian Society of Sugar Cane Technologists
- Member of editorial board of Iranian Journal of Seed Research
- Member of editorial board of Plant Productions
- Member of editorial board of Plant Production

LANGUAGES:

PERSIAN: native

ENGLISH: medium