

CURRICULUM VITAE

1- **Surname:** MOMENI

2- **First name:** Davood

3- **Date of birth:** 1976

5- **Place of birth:** Tehran

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10- Professional qualifications:

- B.Sc. in Agricultural Machinery engineering from Isfahan university of technology (IUT), Isfahan, IRAN.
- M.Sc. in Agricultural Machinery engineering from Tarbiat modaress university, Tehran, IRAN.
- Ph.D. in in Agricultural Machinery engineering from Tarbiat modaress university, Tehran, IRAN.

11- Current position in your Research Center:

- Researcher of Greenhouse engineering research department

12- Professional employment history:

- Researcher in agricultural research center of Jiroft, AREEO, ministry of agriculture, IRAN. 2003-2011.
- Researcher in agricultural engineering research institute, AREEO, ministry of agriculture, IRAN. Since 2011.

13- Research interests:

- Protected Culture

- Food security in a changing climate
- Energy in agriculture
- Agricultural Mechanization
- Smart greenhouse

16 - Membership in national and international scientific societies:

- Iranian Society of Agricultural Machinery and Mechanization Engineering.
- Iranian Organization of Agricultural and Natural Resources Engineering, NGO.

18- Publications :

Journal papers:

- 1- Momeni, D., Banakar, A., Ghobadian, B. and Minaei, S. 2015. Applications of PCMs and solar energy for greenhouse heating, Journal of energy research and environmental technology, (JERET), Jan 2015, Vol (2), Number (1).
- 2- Momeni, D., Zarei, G. and Javadimoghaddam, J. 2020. Technical, economic and environmental assessments of utilization of combined heat and power generation systems In Iranian Greenhouse Cultures, 2019, Agricultural mechanization and system research, Jan 2020. In press.
- 3- Momeni, D., Banakar, A., Ghobadian, B. and Minaei, S. 2015. Solar Heating System with a Linear Fresnel Lens, Agricultural mechanization and system research, Nov 2015, Vol (16), Number (65).
- 4- Momeni, D. 2019. Investigation of energy consumption indices in greenhouse cucumber production in south Kerman. Greenhouse Vegetable Journal, Vol (3), Number (1).
- 5- Momeni, D. and Meshkat, M. 2019. Design and manufacturing of a frost warning system for garden and greenhouse cultures, Dec 2019, Scientific Journal of agricultural mechanization, Agrotechnology.

Conference papers:

- 1- Momeni D. 2007. Effects of seed bed preparation on cucumber yield in Greenhouse. International symposium on High Technology for Greenhouse System, 4-6 October 2007, Naples, Italy.
- 2- Momeni D. 2008. Investigation of Temperature and Humidity Variations Within a Commercial Vegetables Greenhouse in IRAN, 10th international congress on mechanization and energy in agriculture. 14-17 October 2008. Antalya, Turkey.
- 3- Momeni D. 2009. Study on greenhouse height effects in cucumber yield in Jiroft region in IRAN, International symposium on High Technology for Greenhouse System, 14-19 June 2009, Quebec-Canada.
- 4- M.Najafinia, M.Azadvar, S.Ghaffarinegad, D.Momeni, 2009. Developing early warning system for managing greenhouse disease, 5th international conference on plant pathology, 10-13 Nov 2009, New Delhi, India.
- 5- Momeni, D., Banakar, A., Ghobadian, B. and Minaei. 2014. Optimization of fossil fuel consumption in greenhouse with using thermal storage systems and solar collectors. 3rd conference on emerging trends in energy consumption , FEB 2014, Tehran, IRAN.
- 6- Momeni, D., Banakar, A., Ghobadian, B. and Minaei. 2018. Design and fabrication of a solar heating system with linear Fresnel lens for greenhouse culture in IRAN, EuroSun congress 2018, Germany.
- 7- More than 60 papers presented in national congress and symposium in IRAN.

Research projects Reports:

- 1- Technical and Economical Analysis of CHP Systems in Greenhouse Culture. Final research report of project agricultural engineering research institute, AERI, IRAN. 2019.
- 2- Fisibility study and site selection for greenhouse development in irrigation networks of west and south-west border rivers in Kordestan province in IRAN. Final research report of project agricultural engineering research institute, AERI, IRAN. 2018.

- 3- Feasibility study and site selection for greenhouse development in irrigation networks of west and south-west border rivers in west Azarbaijan province in IRAN. Final research report of project agricultural engineering research institute, AERI, IRAN. 2018.
- 4- Energy consumption indices for cucumber production in common greenhouse of jiroft region. Final research report of project agricultural engineering research institute, AERI, IRAN. 2011.
- 5- Energy consumption indices for cucumber production in common greenhouse of Varamin region. Final research report of project agricultural engineering research institute, AERI, IRAN. 2016.
- 6- Technical and economic analysis of energy consumption of cucumber production in traditional and modern greenhouses in Varamin region. Final research report of project agricultural engineering research institute, AERI, IRAN. 2020.
- 7- Effects of tillage and planting methods on yield and yield components of sesame in Jiroft and Kahnooj region. Final research report of project agricultural engineering research institute, AERI, IRAN. 2010.
- 8- Effects of using heating and cooling systems on quantitative and qualitative characteristics of cucumber in Jiroft and Kahnooj greenhouses. Final research report of project agricultural engineering research institute, AERI, IRAN. 2009.
- 9- Study and assessment of different seed bed preparation for cucumber planting in conventional greenhouse in Jiroft region . Final research report of project agricultural engineering research institute, AERI, IRAN. 2007.
- 10- Investigation on the effects of greenhouse structure height on cucumber yield in Jiroft region. Final research report of project agricultural engineering research institute, AERI, IRAN. 2008.