

CURRICULUM VITAE

Date: 2016-01-18



1- Family name: Gazor

2- First name: Hamid Reza

3- Title: Mr. Ms Dr

4- Date of birth: (in both Christian and Persian calendar): 1969/06/06,
Persian calendar: 1348/3/16

5- Place of birth: Tehran, Iran

6- Address : Agricultural Engineering Research Institute (AERI)
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10- Professional qualifications:

- **B.Sc.** in Agricultural Machinery from Tehran University (Iran), 1988 - 1992.

- **M.Sc.** in Mechanics of Agricultural Machinery from Shiraz University (Iran), 1994 - 1997.

Title of M.Sc. thesis:

Influence of shallow tines on draft requirement of subsoiler and soil physical conditions

- **Ph.D.** in Mechanics of Agricultural Machinery from Azad University, Science and Technology campus (Iran), 1997 - 2001.

Title of Ph.D. thesis:

Study and evaluation of effective parameters in Iranian pistachio dryer design

11- Current position(Affiliation):

- Academic board member (*Associate professor*) of Agricultural Machinery & Mechanization Department, Agricultural Engineering Research Institute (AERI). Agricultural Research, Education and Extension Organization (AREEO). Agricultural Ministry of Iran.

- Director of commercialization of research in AERI

12- Professional employment history:

- Engineering manager in production of plastic parts(thermoplastic injection technology) in automotive industry (five years)
- Quality control manager in production of metal parts (press forming technology) in automotive industry (one year)
- Technical advisor in measurement and calibration system and preparation technical documents (SQA) according ISO 9001 (two years)
- R&D supervisor in plastic parts production in Sabouran Polymer Company (S.P.Co) of Iran (five years)

13- Research interests and abilities

- Agricultural dryers
- Solar dryer
- Seed processing
- Process monitoring in the agricultural and food factory
- Energy management in agriculture
- Renewable energy in agriculture
- Participant in the international projects about using of solar energy in agricultural dryer, water heater and lightening system
- Executing of international workshop about agricultural dryer (fundamental, design and application)
- Executing of international workshop about process monitoring and calibration system in agricultural factories.(fundamental and application)
- commercialization of research results in agricultural engineering

14 – Awards

- Honor diploma and gold coin for selected papers in the first national congress of agricultural machinery engineering and mechanization (1998) Karaj, Iran.
- Honor certificate of the 12th National Rice conference (2007) Babolsar, Iran.
- Honor certificate of the best researchers in Agricultural Engineering Research Institute of agricultural Ministry of Iran (2011) Karaj, Iran.
- Honor diploma of the best-presented papers in the seventh national congress of agricultural machinery engineering and mechanization (2012) Shiraz, Iran.

- Appreciation certificate for efficient participation in 5th annual national science and trade fair, Tehran, Iran. 2015
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15 – International Certificates

- ISO 9000 essentials, documentation and procedure development (1998) Quality Management Institute (QMI). Tehran, Iran.
- Basic concepts in metrology and calibration (2000) Khat Ramz Co. , Iranian branch of NLP England. Tehran, Iran.
- Principles of calibration of temperature measuring equipment (2000) Khat Ramz Co. , Iranian branch of NLP England. Tehran, Iran.
- International marketing and market research (2004) center for software engineering, Dublin University - R&D Society of Iranian society. Tehran, Iran.
- International symposium on Pistachio and almond (2005) Tehran, Iran.
- International training workshop on solar energy application (2011) Ministry of science and technology. Gansu Natural Energy Research Institute (GNERI) / UNIDO International Solar Energy Center for Technology Promotion and Transfer (ISEC). Lanzhou, China.
- International training workshop on work measurement know-how transfer for public sector officials. APO and Tehran University (2012) Tehran, Iran.
- International training workshop on South-South cooperation of science and technology to address the climate change. MOST of China (2012) Guangzhou, China.
- International training workshop on Safe grain production (2015) Ministry of science and technology. Shenyang Agricultural university, Shenyang, China.

16 - Membership in national and international scientific societies:

- Continuous membership of the Iranian society of agricultural mechanization and machinery engineering.
- Editorial board member of Journal of Energy and Natural Resources (JENR)
- Associate Editor of CIGR Journal.

17 - Other research activities (for example, advisory of Master and PhD students, etc):

- PhD. Dissertation Advisor for "Time Drying and study the effect of harvesting storing conditions on soybean seed quality. Ali Abbasi Surki. 2010. Tehran University. Iran.
- M. Sc. Thesis Advisor for Investigation of fluidizing in drying process on soybean [*Glycin max*(L.) Merr.] seed germination and vigour. Victoria Asgari. 2012. Islamic Azad University. Karaj, Iran.
- M. Sc. Thesis Advisor of Some Physical and Mechanical Properties of Pistachio Nut and its kernel (*Ahmad Aghaee variety*). Behnam Goshki Sarjaz. 2011. Islamis Azad University. Takestan Branch, Iran.
- Reviewer of international scientific journals such as:
 1. Energy- Elsevier
 2. International Journal of Food Science & Technology(IJFST).
 3. Journal of food science and technology(JFST)
 4. Agriculturae Conspectus Scientificus (ACS).
 5. CIGR Journal.
 6. International Journal of Agricultural and Biological Engineering(IJABE).
 7. Czech Journal of Food sciences (CJFS).
 8. Polish Journal of Chemical technology (PJChE)
- Reviewer of national scientific journals such as:
 1. Journal of Agricultural engineering research.
 2. Journal of Agricultural sciences.
 3. Iranian journal of biosystems engineering.
 4. Journal of agricultural machinery engineering
- Reviewer of governmental scientific researching projects of agricultural ministry of Iran.
- Reviewer of national congresses of agricultural machinery engineering and mechanization in Iran(2002-2011).
- Reviewer of national symposiums on losses of agricultural products in Iran (2009-2011).
- Scientific committee Member of The Middle-East Drying Conference (MEDC2012).
- Reviewer of 20th National congress of food science and industries in Iran (2011).

18- Publications (in English):

Journal papers:

1. **Gazor, H. R. and S. Minaee (2005)** Influence of temperature and air velocity on drying time and quality parameter of pistachio (*Pistacia vera L*) . *Drying Technology*, 23: 2463–2475.
2. **Gazor, H. R., A. R. Bassiri and S. Minaee (2009)** Moisture Isotherms and Heat of Desorption of Pistachio (*Kaleghochi Var.*) *International Journal of Food Engineering*, Vol. 5, Iss. 4, Art.3
3. **Abbasi Surki, A., Sharif-Zadeh, F., Tavakkol Afshari, R., Majnoun Hosseini, N. and Gazor, H.R. (2009)** Optimization of soybean (*Glycine max* Merr.) seed drying conditions with response surface methodology in a constant-bed dryer using two cultivars, *Seed Sci. & Technol.*, 37, 650-666.
4. **Abbasi Surki, A., Sharif-Zadeh, F., Tavakkol Afshari, R., Majnoun Hosseini, N. and Gazor, H.R. (2010)** Optimization of Processing Parameters of Soybean Seeds Dried in a Constant-bed Dryer Using Response Surface Methodology. *J. Agr. Sci. Tech.* (2010) Vol. 12: 409-423.
5. **Gazor, H. R. (2010)** Moisture isotherms and heat of desorption of canola. *Agric Eng Int: CIGR Journal*, Vol. 12, No.2
6. **Gazor, H. R. and A. Mohsenimanesh (2010)** Modeling Drying Kinetics of Canola in Fluidized Bed Dryer. *Czech J. Food Sci.* 28, 531-537.
7. **Gazor, H. R. and H. Chaji (2010)** Equilibrium moisture content and heat of desorption of saffron. *International Journal of Food Science and Technology*, 45, 1703–1709.
8. **Gazor, H. R. and A. Eyvani (2011)** Adsorption isotherms for red onion slices using empirical and neural network models. *International Journal of Food Engineering*. Vol 7 (6) article 3.
9. **Roustapour, O. R. and H. R. Gazor (2013)** Influence of Temperature and Total Soluble Solids on Thermo-Physical Properties of Pomegranate Juice. *Agriculturae Conspectus Scientificus* . Vol. 78, 4 :337-342.
10. **Safari, M. and H.R. Gazor (2014)** Comparison of conventional tractors performance during primary tillage in Iran. *Agric Eng Int: CIGR Journal*. Vol. 16, No.1: 61-68.
11. **Gazor, H. R., S. Maadani and H. Behmadi (2014)** Influence of air temperature and pretreatment solutions on drying time, energy consumption and organoleptic properties of Sour Cherry. *Agriculturae Conspectus Scientificus* . Vol. 79 (2014) No. 2 (119-124)

12. **Gazor, H. R. and Roustapour, O. R.(2015)** Modeling of drying kinetic of pretreated sour cherry. *International Food Research Journal* 22(2): 476-481.

Conference papers:

1. **Gazor, H. R. and S. Minaee(2003)** Influence of temperature and air velocity on drying time and quality parameter of pistachio (*Pistacia vea L*) . Proceeding of 3rd Asia Pacific Drying Conference. Bangkok, Thailand
2. **Gazor, H. (2005)** Study of pistachio drying process in laboratory and batch dryers. Proceeding of IV international symposium on Pistachio and Almonds. Tehran, Iran
3. **Minaee, S. and H. R. Gazor (2005)** Prediction equation for pistachio drying time in batch dryers. Proceeding of IV international symposium on Pistachio and Almonds. Tehran, Iran
4. **Gazor, H. R. and R. Hosseinkhah (2007)** Assessment of canola drying process using fluidized and fixed bed drying techniques. ISMAB 2007. Seoul, Korea.
5. **Gazor, H.R. (2011)** Solar energy application in Iran. International training workshop on solar energy application. Gansu natural energy research institute (GENERI) Lanzhou, China.
6. **Gazor, H. R. H. Ghasemi Mobtaker and O. R. Roostapour (2012)** Modeling of thin-layer drying of mint leaves undergoing hot air treatment. The Middle-East Drying Conference (MEDC2012), Mahshar, Iran.
7. **Askari, V., A. Hamidi, G. Tohidloo, H.R. Gazor, H. Ashrin, M. Hasani and H. Afshar (2013)** Effect of different drying temperature on some of two soybean varieties. ISTA Seed symposium Abstracts. Antalya, Turkey.
8. **Hamidi A., H.R. Gazor, A.H. Shiriani Rad, K. Sherafati and V. Askari (2013)** Effect of fluidized drying method on seed quality and seedling field emergence od canola cultivar Option 500. ISTA Seed symposium Abstracts. Antalya, Turkey.

Research projects Reports:

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Other publications (book, etc) :

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19- Publications (in Persian)

Journal papers:

1. **Gazor, H. R. and S. Minaee (2002)** Influence of temperature and air velocity on drying time and quality parameter of pistachio (*Pistacia vera L*) . Journal of Agricultural engineering research, Vol. 3, No. 11
2. **Gazor, H. R., S. Minaee and A. Bassiri (2003)** Influence of changes in temperature, air velocity and layer thickness on drying of Kaleghochi pistachio. Journal of Agricultural sciences, Vol. 9 , No. 1
3. **Gazor, H. R., S. Minaee and M.A. Rostammi(2005)** Influence of temperature and thickness on pistachio drying in batch dryers. Journal of Agricultural sciences and natural resources. Vol. 11 , No. 4
4. **Gazor, H. R. and A. Bassiri (2005)** Determination of pistachio (*pistacia vera el*) moisture desorption isotherms curves in drying temperatures. Journal of Agricultural engineering research, Vol. 6, No. 23
5. **Gazor, H. R. and M. Loghavi (2007)** Influence of shallow tines on draft requirement of subsoiler and soil physical conditions. Pajhoohesh and Sazandegi in agriculture, Vol 19 No 4.
6. **Gazor, H. R. and S. Minaee (2008)** Influence of temperature and air velocity on canola drying process and quality Journal of Agricultural engineering research, Vol. 9, No. 1.
7. **Gazor, H. R. and R. Hossienkhah (2009)** Influence of fluidization on canola Drying time and oil quality parameters. Iranian Journal of Biosystems Engineering. Vol. 39, No. 1.
8. **Kermani, A. M.; H. R. Gazor and A. Sadeghi (2010)** Physical Properties of Cornelian cherry (*Cornus mas L.*) Fruits. Journal of agricultural engineering research, Vol. 11, No. 2.
9. **Hamidi, A.; H. R. Gazor; A. H. Shirani Rad; K. Sherafati and V. Asgari Dermanki (2010)** Effect of fluidized drying method on rapeseed quality and seedling feed emergence. Journal of crop production research, Vol. 2 No 2
10. **Gazor, H. R. and A. H. Shirani Rad (2011)** Influence of kernels fluidizing on drying process and cultivation properties of canola seeds. Journal of agricultural engineering research, Vol. 12, No. 3.
11. **Roustapour, O. R. ; A. Joukar; H. R. Gazor and L. Joukar (2012)** Effects of concentration and temperature on the thermophysical

properties of Clarified Pomegranate Juice. Journal of Iranian science and food industry, Vol. 9, No. 37.

Conference papers:

1. **Gazor, H. R. and M. Loghavi (1998)** Influence of shallow tines on draft requirement of subsoiler and soil physical conditions. Proceeding of the first national congress on agricultural machinery engineering and mechanization. Karaj, Iran.
2. **Gazor, H. R., S. Minaee and M.A. Rostammi (2002)** Influence of temperature and thickness on pistachio drying in batch dryers. Proceeding of the second's national congress on agricultural machinery engineering and mechanization. Karaj, Iran.
3. **Gazor, H. R., S. Minaee and A. Bassiri (2003)** Comparison of drying process for two varieties of Iranian Pistachio. Proceeding of the first student conference on agricultural machinery engineering. Orumia, Iran.
4. **Gazor, H. R. (2003)** Influence of changes in temperature, air velocity and layer thickness on drying of Fandoghi pistachio. Proceeding of the first national symposium on dried fruit/nut. Tabriz, Iran.
5. **Gazor, H. R. (2004)** Assessment of critical depth in subsoiler. Proceeding of the third national congress of agricultural machinery engineering and mechanization. Kerman, Iran.
6. **Gazor, H. R. (2005)** Introduction and using of 5S procedure in the work place Proceeding of the second's national congress on prevention of national resources. The academy of sciences. Tehran, Iran.
7. **Gazor, H. R. (2005)** Using of failure mode and effect analysis (FMEA) technique for prevention of wastage in agricultural production process. Proceeding of the second's national symposium on losses of agricultural products. Tarbiat Modaress University. Tehran, Iran.
8. **Gazor, H. R. (2007)** Study of Technical causes in pistachio drying process. The second national festival of pistachio. Kerman, Iran
9. **Gazor, H. R. and M. Loghavi (2007)** Subsoiling of agricultural land (*essential or waiver*). Proceeding of the third student conference on agricultural machinery engineering. Shiraz, Iran.
10. **Gazor, H. R. (2007)** Technical solution about some challenges in rice processing. The 12th National Rice conference. Babolsar, Iran.
11. **Gazor, H.R. and R. Adel Zadeh (2007)** Waste analysis of corn seed process in Moghan Zone. Proceeding of the third's national symposium

- on losses of agricultural products. Tarbiat Modaress University. Tehran, Iran.
12. **Gazor, H. R. (2007)** Study on potato post harvest process and some solution. Proceeding of the third's national symposium on losses of agricultural products. Tarbiat Modaress University. Tehran, Iran.
 13. **Gazor, H.R. (2007)** Desorption moisture isotherm of pistachio in drying process. The first national symposium of pistachio processing and packaging. Ferdosi University. Mashhad, Iran.
 14. **Gazor, H.R. (2008)** Influence of air temperature and velocity changes on drying kinetic of rapeseed. Proceeding of the 5th national congress of agricultural machinery engineering and mechanization. Mashhad University, Mashhad, Iran.
 15. **Gazor, H.R. (2008)** Using of FMEA technique for Prevention rice losses in process factories. The 13th National Rice conference. Rasht, Iran.
 16. **Gazor, H.R. (2009)** Influence of conveying systems on seed losses in corn seed production process. Proceeding of the 4th national symposium on losses of agricultural products. Tarbiat Modaress University. Tehran, Iran.
 17. **Hamidi, A., H.R. Gazor, A.H. Shirani Rad, K. Sherafati and V. Askari Darmanaki (2009)** Influence of canola seed fluidize drying on seed losses. Proceeding of the 4th national symposium on losses of agricultural products. Tarbiat Modaress University. Tehran, Iran.
 18. **Gazor, H.R., (2009)** study on reduction of canola seed losses using fluidization effect in drying process. Proceeding of the 4th national symposium on losses of agricultural products. Tarbiat Modaress University. Tehran, Iran.
 19. **Gazor, H.R. and R. Mohammadi Gol (2010)** study on modification of energy consumption model in agricultural dryer. The first national symposium of modification of energy consumption and sustainable development in agriculture. Tehran, Iran.
 20. **Gazor, H.R., A. Eyvani and K. Sherafati (2010)** Presentation of some manner for energy saving in agricultural mechanization. The first national symposium of modification of energy consumption and sustainable development in agriculture. Tehran, Iran.
 21. **Eyvani, A., K. Sherafati and H.R. Gazor (2010)** Evaluation of some modification on planting machines in order canola seed planting. Proceeding of the sixth national congress of agricultural machinery engineering and mechanization. Tehran University, Karaj, Iran.
 22. **Gazor, H.R., A. Eyvani and K. Sherafati (2010)** Executing plan for modification of rice processing factories in Iran. Proceeding of the

sixth national congress of agricultural machinery engineering and mechanization. Tehran University, Karaj, Iran.

23. **Gazor, H.R. and R. Adel Zadeh (2010)** Technical and economical assessment of physical losses in corn seed process equipments in Moghan province. Proceeding of the 6th national congress of agricultural machinery engineering and mechanization. Tehran University, Karaj, Iran.
24. **Kashi M., M. Rasekh, M.H. Kianmehr and H.R. Gazor (2010)** assessment of Oat separation of wheat seed using gravity separator machine. Proceeding of the sixth national congress of agricultural machinery engineering and mechanization. Tehran University, Karaj, Iran.
25. **Gazor, H.R. and O. R. Roostapour (2012)** Determination of drying kinetics of paddy and corn using cross flow Lab scale dryer. The Middle-East Drying Conference (MEDC2012), Mahshar, Iran.
26. **Gazor, H.R and K. Sherafati (2012)** Assessment of pendulum (*Z type*) elevators performance on conveying corn seed. Proceeding of the seventh national congress of agricultural machinery engineering and mechanization. Shiraz University, Shiraz, Iran.
27. **Gazor, H. R. and S. Minaee(2012)** Drying process equations of pistachio in batch type driers. Proceeding of the seventh national congress of agricultural machinery engineering and mechanization. Shiraz University, Shiraz, Iran.
28. **Gazor, H. R. and O. Roostapour (2012)** Heat convection modeling in spry dryer in order suitable roof sealing. Proceeding of the seventh national congress of agricultural engineering and mechanization. Shiraz University, Shiraz, Iran.
29. **Gazor, H. R. H. Sharifnasab and O. Roostapour(2013)** Influence of pretreatment mehods on sourcherry drying process. Proceeding of the 8th national congress of agricultural machinery engineering and mechanization. Mashhad University, Mashhad, Iran.
30. **Sharifnasab, H., H.R. Gazor, N. Abbasi, K. Gerami and M. Younesi Alamouti(2013)** Effect of nanoclay particles on the properties of soil tillage. Proceeding of the 8th national congress of agricultural machinery engineering and mechanization. Mashhad University, Mashhad, Iran.
31. **Gerami, K., K. Sherafati, H.R. Gazor and H. Sharifnasab(2015)** Assessment of different times of disk application effects after spraying using soil- incorporation pesticide to controlling weeds. Proceeding of the 8th national congress of

agricultural machinery engineering and mechanization. Mashhad University, Mashhad, Iran.

32. **Yousefi, Z., H. R. Gazor, Gh. Javadzadeh Moghtader and A. Gholiyan(2014)** Study of drying time and quality parameters in hazelnut drying process. Proceeding of the first Novel technologies on post harvest of agricultural products. Agricultural research center of Razavi Khorasan, Mashhad, Iran.
33. **Yousefi, Z. and H. R. Gazor (2015)** Study the drying kinetic, effective moisture diffusivity and activation energy for hazelnut drying process of hazelnut. Proceeding of the 9th national congress of agricultural machinery engineering and mechanization. Tehran University, Karaj, Iran.

Research projects Reports:

- **Gazor, H. R. and R. Hoseinkhah (2007)** Assessment of Canola drying process and produced oil characteristics using fluidized bed dryer. *Final report*. Agricultural Engineering Research Institute (AERI). Karaj , Iran.
- **Gazor, H. R. (2007)** Determination of drying curves and parameters for three types of agricultural crops using laboratory dryer. *Final report*. Agricultural Engineering Research Institute (AERI). Karaj , Iran.
- **Gazor, H. R. and A. Hamidi (2009)** Technical Evaluation of Seed Corn Drying Systems in Moghan for Improvement Mechanisms. *Final report*. Agricultural Engineering Research Institute (AERI). Karaj , Iran.
- **Gazor, H. R. and A. H. Shirani Rad (2009)** Investigation of kernels fluidizing in drying process on canola seed germination. *Final report*. Agricultural Engineering Research Institute (AERI). Karaj , Iran.
- **Gazor, H.R. (2011)** Fabrication and assessment of a pilot solar dryer for agricultural products. *Final report*. Agricultural Engineering Research Institute (AERI). Karaj , Iran.
- **Gazor, H.R. (2012)** Assessment of pendulum elevators performance on conveying corn seed. *Final report*. Agricultural Engineering Research Institute (AERI). Karaj , Iran.
- **Gazor, H.R. (2014)** Investigation and comparison of losses and energy consumption in conventional and modern rice milling systems (Mazandaran Province report). *Final report*. Agricultural Engineering Research Institute (AERI). Karaj , Iran.

- **Gazor, H.R. (2015)** Technical evaluation of corn seed Sheller operation. *Final report*. Agricultural Engineering Research Institute (AERI). Karaj , Iran.

Other publications:

1. **Gazor, H.R. (2009)** Subsoiling considering in agricultural lands. Technical manual. Agricultural Engineering Research Institute (AERI). Karaj , Iran.
2. **Gazor, H.R. (2009)** Prevention of plow pan using of chisel plow. Technical pamphlet. Agricultural Jihad organization of Tehran province. Tehran, Iran.
3. **Gazor, H.R. (2016)** Solar dryer application. Extension pamphlet. Agricultural Engineering Research Institute (AERI). Karaj , Iran. (In press)
4. **Gazor, H.R. (2016) Introducing of Agricultural dryer.** Agricultural Engineering Research Institute (AERI). Karaj , Iran. (In press)