

Curriculum Vitae

Dr Ali.M Nikbakht



Position

- **Associate Professor:** Department of Mechanical Eng of Biosystems, Urmia University.
- **Director of Economical Office,** Urmia University.
- **Board Member** – Mechanization Research Committee, Agriculture Organization, West Azerbaijan, Iran.
- **Manger in Chief,** Journal of Mechanics in Agriculture, Urmia University.

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EDUCATION

Ph.D Degree (First Rank in PhD Entrance Exam)

**Tarbiat Modares University, Department of Mechanical Eng. in Agr. Machinery,
Tehran, Iran.**

Sep. 2005 – Dec 2009.

GPA: 18.46 (out of 20) Top Student

Supervisors: Prof. T. Tavakoli Hashjin and Prof. R. Malekfar

Co-Supervisor: Prof. B. Ghobadian

M.Sc Degree (6th Rank in M.Sc National Entrance Exam in IRAN)

Tarbiat Modares University, Department of Farm Machinery Eng, Tehran, Iran

Sep. 2003 - Sep. 2005.

GPA: 18.44 (out of 20) Top Student

Supervisors: Prof. Saeed Minaei

Co-Supervisor: Prof. B. Ghobadian

B.Sc Degree

Urmia University, Department of Ag. Machinery Engineering, Urmia, Iran.

Sep. 1999 - Sep. 2003.

GPA 17.09 (out of 20) Top Student

Diploma

Diploma in Mathematics and Physics from Dr. Chamran High School, Urmia, Iran.

Sep. 1995 – Jun. 1999.

GPA 18.80 (out of 20)

TEACHING EXPERIENCE

- 2009-up to now** Staff member, Department of Mechanical Eng. of Biosystems, Urmia University
Courses: Agricultural Processing Systems and Machinery, Numerical Methods, Differential Equations, Eng Statistics, Programming (C#), Advanced Eng Mathematics (MSc), Biophysical and Biomechanical Properties of Agricultural Products (MSc), Postharvest Technology, Energy in agriculture, Unit Operations, Advanced Fluid Mechanics in Food Industry, Drying Technology.
- 2008** Workshop instructor, **Artificial Neural Networks** in Agriculture
- 2008** Teaching Assistant, Tarbiat Modares University, Tehran, Iran.
Courses: **Advanced Strength of Materials** (for M.Sc student)
- 2007** Azad University of Rey, Tehran, Iran.
Courses: **Electrical Systems in Automobiles, Power Systems in Automobiles, Welding Workshop**
- 2007-2008** Teaching Assistant, Tarbiat Modares University, Tehran, Iran.
Courses: **Advanced Engineering Mathematics (for PhD students)**
- 2002-2006** Mahan Scientific and Educational Institute, Tehran, Iran.
Courses taught: **Agricultural Machinery, Internal Combustion Engines**
- 2002-2006** Modaresan Sharif Scientific and Educational Institute, Tehran, Iran.
Courses taught: **Agricultural Machinery, Internal Combustion Engines**
- 2005** Iran Language Inst, Urmia, Iran.
Courses taught: **English** (Intermediate and Advanced)

1999-2002

Kish Language Inst., Urmia, Iran.

Courses Taught: **English** (Beginner, Intermediate)

WORKING EXPERIENCE

- I have the experience of working in Engineering & R&D sections of **ITM Co. (Iran Tractor Manufacturing)** which is one of the largest factories that manufactures Agricultural Machinery and Implements in IRAN. Also I have worked as a research Advisor for **Agricultural & Natural Resources Engineering Regulation Organization of I.R. Iran**. I am one of the founders of an **agricultural company as an NGO** which serves agricultural services to farmers mostly in the modern technological fields.
- Student Member, University Council, Tarbiat Modares University (TMU), Iran, 2008.
- Deputy of Head Department, Department of Mechanical Eng. In Agr. Machinery. Urmia University, 2010.
- Manager of Post-Graduation office, Faculty of Agr., Urmia University, 2011.
- Executive editor, Journal of Mechanics in Agriculture, Urmia University.
- Director of Research and Technology, Urmia University, effective from March 2012 to September 2014.
- Director of Scientific and Technological Services, Vice Chancellor of Research and Technology, Urmia University, effective from September, 2014 to June 2016.
- Member of Iran Association of Waste Management, from 2013.
- Member of Head Committee: Iran Association of Agricultural Machinery and Mechanization, from March, 2014.
- Member of Promotion Committee, Urmia University, effective from 2014.
- Director of Economical Office, Urmia University, effective from June 2017.

Honors and Awards

Ranked 1st, Graduates of Urmia University, 2002.

Ranked 6th, the **national exam** of M.Sc in Iran. 2002

Ranked 1st, Graduates of Tarbiat Modares University, M.Sc students, 2004.

Ranked 6th in Iran, **National Periodical Exam** for Employment, Iran.

Ranked 1st, **Ph.D exam**, 2004.

Chosen for National Symposium of **Iranian Young Elites**, Sep. 2006. Tehran, Iran.

Award of “young researcher”, Tarbiat Modares University, 2005.

-  **INPEX® Gold Medal for “ Diesel⁵⁺ Fuel Additive”**

BRT Inventors:

“Ali. M. Nikbakht, Meisam Tabatabaei, Khalil Farhadi, Mehdi Khatamifar, Pouya Mohammadi, Hiva Mahram Asrar, Shahab Maroofi”

-  **INPEX® Gold Medal for “Pro Spinning Tube in Tube (Pro-STT) Reactor for the Production of Biodiesel and Glycerin”**

BRT Inventors:

“Mehdi Khatamifar, Meisam Tabatabaei, Mohammad R. Ghahremani, Hiva Mahram Asrar, Ali M. Nikbakht”

INPEX, the Invention & New Product Exposition, is the largest invention trade show and contest in America and perhaps the world. **INPEX 2012 was held in Pittsburg, Pennsylvania, USA.**

Research Area

- Thermal Operations in Food Processing
- Energy and Exergy Analysis of Biosystems
- Fluid Dynamics in Agricultural Processing
- Techno-Economical analysis of energy and renewable in Biosystems
- Post-Harvest Technology and Processing in Agricultural

Book

- Tabatabaei, M, Sulaiman, A., Nikbakht, A.M., Yusof, N and Najafpour, G. (2011). Influential Parameters on Biomethane Generation in Anaerobic Wastewater Treatment Plants. Alternative Fuel, Edited by Maximino Manzanera, Ch 10, pages 227-262. Published by InTech.
- Nikbakht, A.M., Rezvani, A., and Golpor, I. (2017). Computational Fluid Dynamics in Food Processing. (Translated in Farsi).
- Nikbakht, A.M. and Piri, A. (2017). Energy and Exergy Analysis of Food Processing Systems. Under Edition.

Grants and Funds

Testing anti hail system. Project Funded by Development and Mechanization Center, Iran. 2014.

Reduction of Energy in Evaporation and Crystallisation line, Sugar Factory of Urmia, Iran. Started from 2017.

Energy Analysis and Quantization in Fruit Juice line, Pakdis Company, Iran. Started from 2017.

Design and Evaluation of Wood Conversion system to produce biochar, Small Scale Project, Urmia University. 2014.

Hybrid air-convection-Microwave Dryer for agricultural Products, Iran Foundation of Elites (www.BMN.ir). 2012.

Design, Analysis and feasibility study of oil extraction system for oilseeds, Small Scale Project, Urmia University. 2013.

Collaborator in:

Production of Biodiesel as a Replacement for Fossil Fuels. 2010–2014. Fund approved and awarded by AREEO.

Feasibility of production of transportation fuel from plastic wastes. 2010-2013. Fund approved and awarded by AREEO.

Design, fabrication and comparison of PRO-STT, STT and CSTR equipped with high-voltage system and Pro-STT equipped with centrifuge system for the production of biodiesel. 2011-2013. Fund approved and awarded by AREEO.

PUBLICATIONS in Journals

1. Rahmati Aydenlo, H. and Nikbakht, A.M. (2015). Evaluation of Simulating System for Solar Flat Collector using Thermohydraulic Factor, Journal of Agr Machinery (In Farsi), University of Mashhad, 7(1): 13-25.
2. Hazervazifeh A., Nikbakht A.M., Moghaddam P.A., Sharifian F. (2017). Microwave Dehydration of Sugar Cube: Thermophysical Investigation and Finite Element Solution. Agricultural Engineering Journal, **53: 3**.
3. Janis Sarnavi, H., Nikbakht., A.M., Hasanpor, A. and Shahbazi, F. (2015). A Novel Steady State Algorithm for Modeling Annual Thermal Performance of a Solar Air Heater in Urmia Climate Condition. Journal of Energy Iran, 18(2).
4. Hazervazifeh A., Nikbakht A.M., Moghaddam P.A., Sharifian F. (2017). Energy economy and kinetic investigation of sugar cube dehydration using microwave supplemented with thermal imaging. Journal of Food Processing and preservation, **In Press**.
5. Sarnavi, H.J., Nikbakht, A.M., Hasanpor, A., Shahbazi, F. (2017). A Pragmatic Methodology to Estimate Hourly Electrical Demand Profile for Renewable Energy Source Deployment Targets: A case study dairy farm. Agricultural Engineering Journal, **In Press**.
6. Kaveh, M., Amiri Chayjan, R., Nikbakht, A.M., Sharifian, F. (2016). Mass transfer characteristics of eggplant slices during length of continuous band dryer, Heat and Mass Transfer, **DOI: 10.1007/s00231-016-1961-8**.

7. Gorji-Chakespari, A., Nikbakht, A.M., Sefidkon, F., Ghasemi-Varnamkhasti, M., and Liobet, E. (2016). Classification of essential oil composition in *Rosa damascena* Mill. genotypes using an electronic nose. **Journal of Applied Research on Medicinal and Aromatic Plants**. DOI: [10.1016/j.jarmap.2016.07.004](https://doi.org/10.1016/j.jarmap.2016.07.004).
8. Hazervazife, A., Ahmadi Mogadam, P., Nikbakht, A.M. (2016). Microwave dehydration of apple fruit: Investigation of drying efficiency and energy costs. **Journal of Food Process Engineering**, DOI [10.1111/jfpe.12463](https://doi.org/10.1111/jfpe.12463).
9. Golpour, I., Zarrinnejad, M., Amiri Chaijan, R., Nikbakht, A.M., Guine, R.P.F., Dowlati, M. (2016). Investigating shrinkage and moisture diffusivity of melon seed in a microwave assisted thin layer fluidized bed dryer. **Journal of Food Measurement and Characterization**, DOI [10.1007/s11694-016-9365-5](https://doi.org/10.1007/s11694-016-9365-5).
10. Rahmati, H., and Nikbakht, A.M. (2016). Heat Flux- thermohydraulic investigation of solar air heaters used in agro-industrial applications. **Heat and Mass Transfer**, DOI [10.1007/s00231-016-1864-8](https://doi.org/10.1007/s00231-016-1864-8).
11. Pourvosoghi, N., Mohammadi, P., Goli, S.A.H., Nikbakht, A.M., Jafarmadar, S., Pakzad, M. and Tabatabaei, M. (2016). Polysel: An environmental-friendly CI engine fuel. **Energy**, 111: 691-700.
12. Gorji-Chakespari, A., Nikbakht, A.M., Sefidkon, F., Ghasemi-Varnamkhasti, M., Brezmes, J., and Liobet, E. (2016). Performance Comparison of Fuzzy ARTMAP and LDA in Qualitative Classification of Iranian *Rosa damascena* Essential Oils by an Electronic Nose. **Sensors**, 16, 636.
13. Bet-Moushoul, E., Mansourpanah, Y., Farhadi, Kh., Nikbakht, A.M. (2016). Investigation the performance and solvent resistant properties of NH₂-modified MWCNTs/PES based mixed matrix membranes for biodiesel separation. **Energy & Fuels (American Society of Chemistry)**, 30: 4085-4095.
14. Sahafi, S.M., Goli, A.H., Tabatabaei, M., Nikbakht, A.M. and Pourvosoghi, N. (2016). The reuse of waste cooking oil and spent bleaching earth to produce biodiesel. **Energy Sources, Part A: Recovery, Utilization, and Environmental Effects**, VOL. 38, NO. 7, 942–950.
15. Hazervazife, A., Nikbakht, A.M., Ahmadi Mogadam, P. (2016). Novel hybridized drying methods for processing of apple fruit: energy conservation approach, **Energy**, 103: 679-687.

16. Nezhadi, J., Nikbakht, A.M. (2016). Numerical simulation of corn drying in a hybrid fluidized bed - infrared dryer. **Journal of Food Process Engineering**.
17. Bet-Moushoul, E., Farhadi, Kh., Mansourpanah, Y., Molaei, R. and Forough, M., Nikbakht, A.M. (2016). Development of novel Ag/bauxite nanocomposite as a heterogeneous catalyst for biodiesel production. **Renewable Energy**, 92: 12-21.
18. Bet-Moushoul, E., Farhadi, Kh., Mansourpanah, Y., Nikbakht, A.M., Molaei, R. and Forough, M. (2016). Application of CaO-based/Au nanoparticles as heterogeneous nanocatalysts in biodiesel production. **Fuel**, 164: 119–127.
19. Mohammadi, P., Tabatabaei, M., Nikbakht, A.M., Esmaili, Z. (2014). Improvement of the cold flow characteristics of biodiesel containing dissolved polymer wastes using acetone. **Biofuel Research Journal**, 1: 26-29.
20. Aghbashlo, M., Tabatabaei, Mohammadi, P., Pourvosoughi, N., Nikbakht, A.M., Goli, A.H. (2015). Improving exergetic and sustainability parameters of a DI diesel engine using polymer waste dissolved in biodiesel as a novel diesel additive. **Energy Conversion and Management**, 105, 328-337.
21. Sharifian, F., Nikbakht, A.M., Arefi, A. and Modarres Motlagh, A. (2015). Experimental assessment of energy and mass transfer in microwave drying of fig fruit. **Journal of Agricultural Science and Technology**, 17, 1695-1705.
22. Rezvanivand Fanayi, A. and Nikbakht, A.M. (2015). A CFD study of the effects of feed diameter on the pressure drop in a cyclone separator. **International Journal of Food Engineering**, 11(1): 71-77.
23. Asgarzade, H., Mohtasebi, A. and Nikbakht, A.M. (2014). SAWCal: A user-friendly program for calculating soil available water quantities and physical quality indices. **Computers and Electronics in Agriculture**, 109: 86-93.
24. Mohamadi Gol, R., Malekfar, R., Khoshtagaza, M.H., Mirabolfathi, M. and Nikbakht, A.M. (2014). Performance evaluation of colloidal silver nano particles on the detection of Aflatoxin (B1) by SERS. **Journal of environmental sciences JIS. In press**.
25. Porvosogi, N., Nikbakht, A.M. and Jafarmadar, S. (2013). An optimized process for biodiesel production from high FFA spent bleaching earth. **International Journal of Engineering**, TRANSACTIONS C: ASPECTS, Vol. 26, No. 12, (December 2013): 1545-1550.

26. Mohammadi, P., Tabatabaei, M., Nikbakht, A.M., Farhadi, Kh., Khatamifar, M. and Castaldi, M.J. (2013). Simultaneous Energy Recovery from Waste Polymers in Biodiesel and Improving Fuel Properties. **Waste and Biomass Valorization** (A Springer Journal), 4: 105–116.
27. Nikbakht, A.M., Motevali, A. and Minaei, S. (2013). Energy and Exergy Investigation of Microwave Assisted Thin-Layer Drying of Pomegranate Arils Using Artificial Neural Networks and Response Surface Methodology. **Journal of the Saudi Society of Agricultural Sciences**. 13:81-91.
28. Feyzallahzadeh, M., Hosseinzadeh, J., Nikbakht, A.M. and Modarres Motlagh, A. (2013). Relation between physical and mechanical properties of safflower seed affected by irrigation treatments. **Technical Journal of Engineering and Applied Sciences**, 3 (15): 1564-1571.
29. Sharifian, F., Modarres-Motlagh, A. and Nikbakht, A.M. (2013). Colour Change Analysis of Fig Fruit during Microwave Drying. **International Journal of Food Engineering**, 9(1): 107-114.
30. Feyzollahzadeh, M., Nikbakht, A.M. and Modares Motlagh, A. (2015). Investigation of the Effects of irrigation methods and Nutrient treatments on the mechanical properties of safflower seeds. **Bulgarian Journal of Agricultural Science**, 19 (1). 21 (6): 1216-1221.
31. Mohammadi, P., Nikbakht, A.M., Tabatabaei, M., Farhadi, Kh., Mohebbi, A. and Khatami far, M. (2012). Experimental Investigation of Performance and Emission Characteristics of DI Diesel Engine Fueled with Polymer Waste Dissolved in Biodiesel-Blended Diesel Fuel. **Energy**, 4(1): 596-605.
32. Hazer Vazifeh, A, Nikbakht, A.M, Moghaddam, P.A. (2012). Evaluation of energy consumption and time spent in three different ways, microwave, hot air flow and combined method for drying apple slices. *Archives Des Sciences*, 65 (6): 218-225.
33. Hazer Vazifeh, A, Moghaddam P.A, Nikbakht A.M. (2012). An investigation on the effects of microwave power on apple slices drying time and quality, using microwave-hot air flow method. **Archives Des Sciences**, 65 (7): 204-214.
34. Sharifian, F., Modarres Motlagh, A., and Nikbakht, A.M. (2012). Pulsed microwave drying kinetics of fig fruit (*Ficus carica* L.). **Australian Journal of Crop Science**, 6(10): 1441-1447.

35. Mohammadi, P, Nikbakht, A.M., Tabatabaei, M and Farhadi, Kh. (2012). A Novel Diesel Fuel Additive to Improve Fuel Properties and Reduce Emissions. **International Journal of Automotive Engineering**, 2(3). 156-162.
36. Adabi, M.E., Motevali, A., Nikbakht, A.M. and Khoshtaghaza, M.H. (2013). Investigation of Some Pretreatments on Energy and Specific Energy Consumption Drying of Black Mulberry. **Chemical Industry and Chemical Engineering Quarterly**. 19 (1): 89–105.
37. Adabi, M.E., Nikbakht, A.M., Motevali, A. and Mousavi Seyedi, S.R. (2013). Investigation of black mulberry drying kinetics applying different pretreatments. **Journal of Agricultural Science and Technology**, Vol. 15: 23-34.
38. Hosseini, M., Nikbakht, A.M. and Tabatabaei, M. (2012). Biodiesel Production in Batch Tank Reactor Equipped to Helical Ribbon-like Agitator. **Modern Applied Science**, Vol. 6 (3) 40-45.
39. Feyzollahzadeh, M., Modares Motlagh, A., Nikbakht, A.M., and Jafari, H. (2013). Effect of irrigation and nutrient on physical properties of safflower. **International Agrophysics**, 28: 7-14.
40. Najafi, Gh., Ghobadian, B., Nikbakht, A.M. and Rahimi, H. (2006). Analysis of CI Engine Performance Using Biodiesel-Diesel Blend with Artificial Neural Network. **Journal of Engine Research**, No: 10-11. 6-15.
41. Malekfar, R., A.M. Nikbakht, S. Abbasian, F. Sadeghi. (2010). Evaluation of Tomato Juice Quality Using Surface Enhanced Raman Spectroscopy. **ACTA PHYSICA POLONICA A**, 117 (6): 971:973.
42. Khalifa, S., Komarizadeh, M.H., Tousei, B. and Nikbakht, A.M. (2011). An intelligent system for grading walnuts based on acoustic emission and neural networks. **Journal of Food, Agriculture & Environment**, Vol.9 (1): 132: 135.
43. Nikbakht, A.M., Tavakoli Hashjin, T., Malekfar, R., and Ghobadian, B. (2011). Nondestructive Determination of Tomato Fruit Quality Parameters Using Raman Spectroscopy. **Journal of Agricultural Science and Technology**, Vol. 13: 517-526.
44. Motevali, A., Minaei, S., Khoshtaghaza, M.H., Kazemi, M. and Nikbakht, A.M. (2010). Drying of Pomegranate Arils: Comparison of Predictions from Mathematical Models and Neural Networks. **International Journal of Food Engineering**, 6(3).

45. Gorjian, Sh., Tavakoli Hashjin, T., Khoshtagaza, M.H., and Nikbakht, A.M. (2011). Drying kinetics and quality of Beyberry in a thin-layer dryer. **Journal of Agricultural Science and Technology**, Vol. 13: 303-314.
46. Kiani Deh Kiani, M., Ghobadian, B., Tavakoli, T., Nikbakht, A.M. and Najafi, G. (2010). Application of artificial neural networks for the prediction of performance and exhaust emissions in SI engine using ethanol- gasoline blends. **Energy**, 35:65-69.
47. Tahmasebi, M., Tavakoli, T. Nikbakht, A.M. and Khoshtagaza, M. H. (2011). Evaluation of Thin-Layer Drying Models for Simulation of Drying Kinetics of Quercus (Persica and Libani Variate). **Journal of Agricultural Science and Technology**, Vol. 13: 155-163.
48. Ghobadian, B., Rahimi, H., Nikbakht, A.M., Najafi, G. and T.F. Yusaf. (2009). Diesel engine performance and exhaust emission analysis using waste cooking biodiesel fuel with an artificial neural network. **Journal of Renewable Energy**, 34 (4): 976–982.
49. Askari, M. Komarizade, M.H, Nikbakht, A.M., Nobakht, N, Farrokhi, R. (2011). A novel three-point hitch dynamometer to measure the draft requirement of mounted implements. **Journal of Research in Agricultural Engineering (RAE)**, Vol 57,4: 128-136.
50. Mohammadi Gol, R., Khoshtagaza, M.H., Malekfar, R., Mirabolfathi, M., and Nikbakht, A.M. (2014). Determination of pistachio aflatoxin using Raman spectroscopy and ANN. *Journal of Agr. Machinery, University of Mashhad (In Farsi)*, 1: 1-9.
51. Hazervazife, A, Ahmadi Moghadam, P, Nikbakht, A.M. (2013). Energy optimization of energy in microwave drying of apple. *Journal of mechanical science in agricultural machinery (In Farsi)*, 1(1): 7-18.
52. Abaspor, Y., Nikbakht, A.M., and Rahnema, M. (2013). Modeling thin-layer drying of grape. *Ahvaz Journal of Agriculture (In Farsi)*, 36 (1).
53. Porvosogi, N., Nikbakht, A.M., Jafarmadar, S., Tabatabaei, M., Goli, A.H., Pakzad, M. (2012). Effect of using SBE sources biodiesel on operation and emission of diesel engine. *Fuel and Combustion (In Farsi)*, 5(2): 35-47.
54. Nikbakht, A.M., Tavakoli Hashjin, T., Malekfar, R., and Ghobadian, B. (2011). Application of Raman Spectroscopy in NDT of tomato. *Iranian Journal of food Industry (In Farsi)*, Vol. 7(4): 25-32.

55. Feyzollahzadeh, M., Nikbakht, A.M., and Modares Motlagh, A. (2012). Investigation of the Effects of irrigation and Nutrient Treatments on Oil Extraction Properties of Safflower seed. *Journal of Agricultural Machinery, University of Mashhad (In Farsi)*, 3(1): 58-70.

Selected Conference Proceedings

1. Nikbakht, A.M., Aste, N., Sarnavi, H.J. and Leonforte, F. (2017). Techno-economical analysis of Rooftop Grid-connected PV dairy farms; Case study of Urmia university dairy farm. 2nd International Conference on Green Energy Technology (ICGET 2017), Rome, Italy: 18-20 July.
2. Javidi, H., Nikbakht, A.M. (2015). Biochar from Municipal Wood: A Key Strategy to Produce Added Value Products from Wastes. **Sixth International Scientific Agricultural Symposium “Agrosym 2015”**, Jahorina, October 15 – 18. <http://www.agrosym.rs.ba>.
3. Mohammadi, P., Nikbakht, A.M., Tabatabaei, M., Porvosogi, N, Esmaili, Z. (2012). Adding polymer wastes to biodiesel: a way to manage wastes and pollution. Proceedings of the 6th National Conference on World Environment Day, University of Tehran, Tehran, Iran, 13-15 June.
4. Porvosogi, N., Nikbakht, A.M., Jafarmadar, S., Tabatabaei, M., Goli, A.H. (2012). Reduction of Diesel engine pollution with blended diesel-biodiesel produced from bleaching oil and polymer wastes. Proceedings of the 6th National Conference on World Environment Day, University of Tehran, Tehran, Iran, 13-15 June.
5. Abaspor Kalan, Y., Nikbakht, A.M., Rahnema, M. (2012). Application of solar energy for drying of agricultural products: an alternative approach in reducing environmental pollution and energy optimization. Proceedings of the 6th National Conference on World Environment Day, University of Tehran, Tehran, Iran, 13-15 June.
6. Mohammadi, P., Nikbakht, A.M., Tabatabaei, M., Ghorbani, H. and Hosseini, M. (2012). Improving Diesel Fuel Quality with an additive of Biodiesel-Plastic. 20th Annual International Conference on Mechanical Engineering-ISME2012, 17-19 May, School of Mechanical Eng., Shiraz University, Shiraz, Iran.
7. Hoseini, M., Nikbakht, A.M., Tabatabaei, M., (2012). Biodiesel production in a batch reactor equipped with a quasi-ribbon helical agitator. 20th Annual International Conference on Mechanical Engineering-ISME2012, 17-19 May, School of Mechanical Eng., Shiraz University, Shiraz, Iran.

8. FeizollahZadeh, M., Modares Motlag, A. and Nikbakht, A.M. (2011). Investigation of several nutrition and irrigation treatments on safflower physical attributes. 20th National Congress on Food Science Engineering. 22-24, November. Sharif University of Technology, Tehran, Iran.
9. Mohammadi, P., Nikbakht, A.M., Tabatabaei, M., Farhadi, Kh., Ghorbani, H, and Hosseini, M. (2011). Improving biodiesel produced from agricultural wastes through adding plastic wastes. Proceedings of the 5th National Symposium on agricultural wastes, Tehran, Iran, 27 November.
10. Ghorbani, H, Nikbakht, A.M., Tabatabaei, M., Hosseini, M. and Mohammadi, P. (2011). Feasibility study on economical production of biodiesel and bio-ethanol from agricultural crops and wastes as alternative fuels in Iran. Proceedings of the 5th National Symposium on agricultural wastes, Tehran, Iran, 27 November.
11. Ghorbani, H, Nikbakht, A.M., Tabatabaei, M., Hosseini, M. and Mohammadi, P. (2011). Novel Modeling Techniques for Monitoring Biodiesel Production Processes. Proceedings of the 1st International Conference on Emerging Trends in Energy Conservation – ETEC Tehran, Tehran, Iran, 20-21 November 2011.
12. Mohammadi, P., Nikbakht, A.M., Tabatabaei, M., Farhadi, Kh., Ghorbani, H, and Hosseini, M. (2011). Evaluation of Diesel Engine Performance and Emission Using Blends of Diesel-Biodiesel-Polymer. Proceedings of the 7th International Conference on Internal Combustion Engines, Tehran, Iran, December, 2011.
13. Ghorbani, H, Nikbakht, A.M, Tabatabaei, M, Hosseini, M and Mohammadi, P. (2011). Application of modeling techniques for prediction and optimization of biodiesel production processes. International Conference on Biotechnology and Environment Management, IPCBEE vol.18 (2011) © (2011) IACSIT Press, Singapore, 16-18 September.
14. Mohammadi, P., Nikbakht, A.M., Tabatabaei, M. and Farhadi, Kh. (2011). Assessing Dissolution of Expanded Polystyrene in Biodiesel through UV Spectrophotometry Technique: A Kinetic Study. 18th Iranian Seminar of Analytical Chemistry, University of Sistan and Baluchestan, 18-20 May.
15. Nikbakht, A.M., Tavakoli Hashjin, T., Malekfar, R., Ghobadian, B. and Mohammadi, N. (2011). Quantitative non-destructive measurement of SSC, pH and color of tomato fruit using Raman spectroscopy and chemometrics models.

- 5th Regional Congress on Advances in Agricultural Research (West of Iran). 18-19, May. University of Kurdistan, Iran.
16. FeizollahZadeh, M., Modares Motlag, A., Nikbakht, A.M. and Mohammadi, P. (2011). Design, construction and evaluation of an apparatus for measuring static and dynamic coefficient of friction. 5th Regional Congress on Advances in Agricultural Research (West of Iran). 18-19, May. University of Kurdistan, Iran.
17. Lajani, A., Nikbakht, A.M. and Asgari, M. (2011). Design and construction of a glass-sided box for investigation of soil failure in tines at the varying speeds and tine angles. 5th Regional Congress on Advances in Agricultural Research (West of Iran). 18-19, May. University of Kurdistan, Iran.
18. Motevali, A., Minaei, S., Khostagaza, M.H., Kazemi, M., and M.Nikbakht, A. (2010). Comparison of mathematical models and artificial neural networks in drying of pomegranate arils. 6th national congress on Agricultural Machinery and mechanization. University of Tehran, 16 September.
19. Sulaiman, A., Nikbakht, A.M., Khatamifar, M., Tabatabaei, M. and Ali Hassan, M, (2010). Modeling anaerobic process for wastewater treatment: new trends and methodologies. International Conference on Biology, Environment and Chemistry: ICBEC. Hong Kong, 28-30, December. Indexed in ISI and IEEE Xplore.
20. Nikbakht, A.M., Tavakoli Hashjin, T., Malekfar, R., Ghobadian, B. and Mohammadi, N. (2009). Non-destructive quantitative analysis of tomato fruit using Raman spectroscopy and Chemometrics. 2nd Iranian Seminar of Chemometrics. 28-30 October, Department of Chemistry, Urmia, Iran.
21. Malekfar, R., Nikbakht, A.M., Sadeghi, F. and Abbasian, S. (2009). Qualitative parameters investigation of tomato juice by surface enhanced Raman spectroscopy (SERS). 10th Iberian Joint Meeting on Atomic and Molecular Physics. July 12-15, Santiago de Compostela, Spain.
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LANGUAGE PROFICIENCY

- **English:** High Proficiency in Speaking, Reading and Writing.
- **Farsi:** National Official Language.
- **Turkish:** Mother Tongue Language.

Hobbies

- **Volleyball**
- **Mountain Climbing**
- **Scuba diving**