

CURRICULUM VITAE

Name: Javad Feizy (Mr)

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Current Position

Research Institute of Food Science and Technology, Department of Food Chemistry, Mashhad, Iran.

Personal Research Areas

- Chromatography
- Spectroscopy
- Extraction techniques and analysis
- Food Science
- Food Toxicology
- Medicinal Plants

Education

- **PhD**, 2011-2015, Analytical Chemistry
- **MSc**, 2003-2005, Analytical Chemistry
- **BSc**, 2000-2003, Applied Chemistry

Publications

- 1) Roghieh Hajiboland, Narges Moradtalab, Zarrin Eshaghi, Javad Feizy. Effect of silicon supplementation on growth and metabolism of strawberry plants at three developmental stages. New Zealand Journal of Crop and Horticultural Science. Accepted.
- 2) Simindokht Afra, Ali Makhdomi, Maryam M Matin, Javad Feizy. A novel red pigment from marine *Arthrobacter* sp. G20 with specific anticancer activity. Journal of Applied Microbiology. 123 (5), 1228–1236, 2017

- 3) Javad Feizy, Azizollah Nezhadali, Zarrin Eshaghi, Hamed Reza Beheshti. HPLC Determination of Hexythiazox in Food Samples by MISPE Extraction. *Chromatographia*. 80 (3), 437–446, (2017).
- 4) Kambiz Hossein Panahi, Mohammad Hossein Abbaspour-Fard, Javad Feizy, Mahmood Reza Golzarian: Application of green walnut shell as a novel pigment in DSSC based on TiO₂ nanoparticles. *Iranian Journal of Biosystem Engineering*. 47(4), 739-746, (2017).
- 5) Javad Feizy, Nastaran Reyhani. Gas Chromatographic Determination of Phytosterols and Fatty Acids Profile in Saffron Petals. *Canadian Chemical Transactions*. 4(3), 389-397, (2016).
- 6) Kambiz Hosseinpanahi, Mohammad Hossein Abbaspour-Fard, Javad Feizy, Mahmood Reza Golzarian. Dye-sensitized solar cell using saffron petal extract as a novel natural sensitizer. *Journal of Solar Energy Engineering*. 139(2), 021009 (2016).
- 7) Sadegh Karimi, Javad Feizy, Fatemeh Mehrjo, Maryam Farrokhnia. Detection and quantification of food colorant adulteration in saffron sample using chemometric analysis of FT-IR spectra. *RSC Advances*. 6, 23085-23093, (2016).
- 8) Azizollah Nezhadali, Javad Feizy, Hamed Reza Beheshti. A molecularly imprinted polymer for the selective extraction and determination of fenvalerate from food samples using high performance liquid chromatography. *Food Analytical Methods*. 8(5), 1225-1237, (2015).
- 9) Iman Saeidi, Behruz Barfi, Moazameh Payrovi, Javad Feizy, Hojat A Sheibani, Mina Miri. Polyamide as an efficient sorbent for simultaneous interference free determination of three sudan dyes in saffron and urine using high-performance liquid chromatography-ultraviolet detection. *Chinese Journal of Chromatography*. 33(1), 29-34, (2015).
- 10) Zarrin Es'haghi, Hamed Reza Beheshti, Javad Feizy. Extraction of aflatoxins from food samples using graphene-based magnetic nano sorbents followed by high performance liquid chromatography analysis: A simple solution to overcome analytical problems due to immunoaffinity columns. *Journal of Separation Science*. 37(18), 2566-2573, (2014).
- 11) Javad Feizy, Hamed Reza Beheshti, Zeynab Eftekhari, Mahnaz Zhiyani. Survey of mycotoxins in wheat from Iran by HPLC using immunoaffinity column cleanup. *Journal of Chemical Health Risks*, 4(1), 23-28, (2014).

- 12) Abdol Majid Maskooki, Hamed Reza Beheshti, Saeideh Valibeigi, Javad Feizy. Effect of cholesterol removal processing using β -cyclodextrin on main components of milk. *International Journal of Food Science*. Article ID 215305, 6 pages (2013).
- 13) Niloofar Khoshbakht Fahim, Hamed Reza Beheshti, Somayeh Sadat Janati, Javad Feizy. Survey of cadmium, lead, and arsenic in sesame from Iran. *International Journal of Industrial Chemistry*. 4, 10, (2013).
- 14) Javad Feizy, Hamed Reza Beheshti, Mohammad Asadi. Ochratoxin A and aflatoxins in dried vine fruits from the Iranian market. *Mycotoxin Research*. 28, 237-242, (2012).
- 15) Somayeh Sadat Fakoor Janati, Hamed Reza Beheshti, Javad Feizy, Niloofar Khoshbakht Fahim. Considerations in the use of lemon peels (*Citrus Limon*) as animal food. *Gida: Journal of Food*, 37(5), 267-271, (2012).
- 16) Javad Feizy, Hamed Reza Beheshti, Mohammad Asadi. A survey of aflatoxin in cotton seed in Iran by HPLC with on-line photochemical derivatisation and fluorescence detection. *Food Additives & Contaminants*. 5(3), 200-203, (2012).
- 17) Niloofar Khoshbakht Fahim, Somayeh Sadat Fakoor Janati, Javad Feizy. Chemical composition of agriproduct saffron (*Crocus sativus L.*) petals and its consideration as animal feed. *Gida: Journal of Food*, 37(4), 197-201, (2012).
- 18) Niloofar Khoshbakht Fahim, Hamed Reza Beheshti, Javad Feizy, Somayeh Sadat Fakoor Janati. LC Determination of Natamycin in Doogh with UV detection. *Gida: Journal of Food*. 37(3), 127-132, (2012).
- 19) Somayeh Sadat Fakoor Janati, Hamed Reza Beheshti, Mohammad Asadi, Samira Mihanparast, Javad Feizy. Preliminary survey of aflatoxins and ochratoxin A in dried fruits from Iran. *Bulletin of Environmental Contamination and Toxicology*. 88, 391-395, (2012).
- 20) Somayeh Sadat Fakoor Janati, Hamed Reza Beheshti, Javad Feizy, Niloofar Khoshbakht Fahim. Determination of Cadmium, Lead, Arsenic and Mercury in rice from Iran. *International Journal of Industrial Chemistry*. 2(4), 196-200, (2011).
- 21) Mohammad Asadi, Hamed Reza Beheshti, Javad Feizy. A survey of aflatoxins in sesame in Iran. *Mycotoxin Research*. 27(4), 259-263, (2011).

- 22) Somayeh Sadat FakoorJanati, Hamed Reza Beheshti, Niloofar Khoshbakht Fahim, Javad Feizy. Aflatoxins and ochratoxin A in bean from Iran. *Bulletin of Environmental Contamination and Toxicology*. 87(2), 194-197, (2011).
- 23) Javad Feizy, Hamed Reza Beheshti, Niloofar Khoshbakht Fahim, Somayeh Fakoor. A survey of aflatoxins in watermelon seeds from Iran using immunoaffinity column clean-up and HPLC with fluorescence detection. *Food Additives & Contaminants, part B*. 4(2), 106-109, (2011).
- 24) Javad Feizy, Hamed Reza Beheshti, Niloofar Khoshbakht Fahim, Somayeh Fakoor. A survey of ochratoxin A in rice from Iran using immunoaffinity column clean-up and HPLC with fluorescence detection. *Food Additives & Contaminants, part B*. 4(1), 67-70, (2011).
- 25) Javad Feizy, Hamed RezaBeheshti, Niloofar Khoshbakht Fahim, Somayeh Fakoor, Golnaz Davari. Survey of aflatoxins in rice from Iran using immunoaffinity column cleanup and HPLC with fluorescence detection. *Food Additives & Contaminants, part B*. 3(4), 263-267, (2010).
- 26) Reza Ansari, Javad Feizy, Ali Fallah Delavar. Removal of arsenic ion from aqueous solutions using conducting polymers. *E-Journal of Chemistry*. 5(4), 853-863, (2008).
- 27) Behzad Haghighi, Javad Feizy, Abbas Hemmati kakhki. LC Determination of adulterated saffron prepared by adding styles colored with some natural colorants. *Chromatographia*. 66, 325-332, (2007).
- 28) Somayeh Sadat Fakoor Janati, Hamed Reza Beheshti, Javad Feizy. Determining heavy metal ions in crude and picked sesame seed samples in Khorasan by continuum source atomic absorption spectrometry (CSAAS). *Journal of Food Science and Technology*. 2(3), 19-24, (2010) (In persian).
- 29) Reza Ansari, Babak Nowroozi, Javad Feizy. Adsorption of lead, mercuric and cadmium ions from aqueous solutions using activated carbon: The effect of impregnation of activated carbon with different chemicals on metal uptake. *The Environment*. 44, 3-9, (2007) (In persian).
- 30) Behzad Haghighi, Javad Feizy, Abbas Hemmati kakhki. Identification of colored styles as one of the saffron adulterations with HPLC. *Iranian Food Science and Technology Research Journal*. 2(2), 34-44, (2006) (In persian).
- 31) Javad Feizy, Hamed Reza Beheshti, Ghazal Heravian, Niloofar Khoshbakht Fahim. Evaluation of physicochemical, microbiological and detection of aflatoxins content of raw watermelon seed

samples in Khorasan Razavi province Iran. Journal of Food Science and Technology. 2(3), 11-17, (2011) (In persian).

- 32) Abdolmajid Maskooki, Hamed Reza Beheshti, Azra Kheradmand, Saeedeh Valibeigi, Javad Feizy: Cholesterol reduction of raw and homogenized milk using betacyclodextrin. Journal of research and innovation in food science and technology. 2(3), 253 -264, (2013) (In Persian).
- 33) Hamed Reza Beheshi, Javad Feizy, Mahnaz Zhiany, Somayeh Sadat Fakoor Janati. Aflatoxin determination in saffron by high-performance liquid chromatography and immunoaffinity column clean-up. Journal of Saffron Agronomy and Technology. 1(2), 102-11, (2014) (In Persian).

Teaching Experience

- 1- General chemistry
- 2- Analytical chemistry II
- 3- Food Chemistry
- 4- Food Analytical Methods
- 5- Principles of Instrumental Analysis
- 6- Separation Science and Chromatography

National Conference and workshop

- 1) 4th Iranian Chemometrics Workshop, 2 Sep 2004, Institute for Advanced Studies in Basic Sciences, Zanjan, Iran.
- 2) Javad Feizy, Hamed Reza Beheshti, Niloofar Khoshbakht Fahim, Somayeh Fakour Jnnati. LC determination of aflatoxin levels in rice consumed in Mashhad by postcolumn derivatization with Iodine, 17th Iranian Seminar of Analytical Chemistry, 12-14 Sep 2010, University of Kashan, Kashan, Iran.
- 3) Somayeh Fakoor, Hamed Reza Beheshti, Mohamad Asadi, Javad Feizy, Niloofar Khoshbakht Fahim, Samira Mihanparast. Metals determination and mycotoxins in herbal extracts. National Conference on Food. 28-29 February 2012. Azad University of Quchan, Quchan, Iran.

- 4) Somayeh Fakoor, Hamed Reza Beheshti, Javad Feizy. High performance liquid chromatographic determination of aflatoxin in saffron. 2nd National Conference on Food Science and Technolog. 29-30 April 2013.
- 5) Zarrin Es'haghi, Hamed Reza Beheshti, Javad Feizy. Design, synthesis and evaluation of graphene-based magnetic nanocomposite as an efficient adsorbent for LC determination of mycotoxins in food. 19th Iranian Seminar of Analytical Chemistry, 26-28 Feb 2013, Ferdowsi University of Mashhad, Mashhad, Iran.
- 6) Azizollah Nezhadali, Hamed Reza Beheshti, Javad Feizy. A new molecularly imprinted polymer for the selective extraction of Fenvalerate from food samples by solid-phase extraction. 20th Iranian Seminar of Analytical Chemistry, 25-27 Feb 2014, Isfahan University of Technology, Isfahan, Iran.
- 7) Zeynab Eftekhari, Hamed Reza Beheshti, Javad Feizy. Survey and determination of mycotoxins in wheat from Iran by LC/Fluorescence using immunoaffinity column cleanup. 20th Iranian Seminar of Analytical Chemistry, 25-27 Feb 2014, Isfahan University of Technology, Isfahan, Iran.
- 8) Zeynab Eftekhari, Hamed Reza Beheshti, Javad Feizy. Survey and determination of aflatoxins in feed barley from Iran. 3rd Iranian Congress on Natural Toxins. 18-20 February 2014. Tehran, Iran.
- 9) Javad Feizy, Samira Mihanparast, Hamed Reza Beheshti, Zeynab Eftekhari. Gas Chromatographic determination of methanol in herbal extract. 3rd national conference on new technologies in chemistry and chemical engineering. 20-21 May 2014. Azad University of Quchan, Quchan, Iran.
- 10) Asma Salmani Bejestani, Zeynab Eftekhari, Mahnaz Zhiany, Javad Feizy. Application of high-performance liquid chromatography in determination of metabolites of saffron. The First National Congress on Snack Foods. 30-31 April 2014. ACECR Food Science and Technology Research Institute. Mashhad, Iran.
- 11) Hamed Reza Beheshti, Mahnaz Zhiany, Javad Feizy. Survey of Physicochemical properties of wheat flour in Khorasan Razavi province. The First National Congress on Snack Foods. 30-31 April 2014. ACECR Food Science and Technology Research Institute. Mashhad, Iran.

- 12) Zeynab Eftekhari, Hamed Reza Beheshti, Samira Mihanparast, Javad Feizy. HPLC determination of potassium sorbat in mozzarella cheese. The First National Congress on Snack Foods. 30-31 April 2014. ACECR Food Science and Technology Research Institute. Mashhad, Iran.
- 13) Hamed Reza Beheshti, Behrooz Akbarzadeh, Zeynab Eftekhari, Javad Feizy. Aluminum determination in parts of the rod and the crane of pasta and flour using continuum source atomic absorption spectroscopy. The First National Congress on Snack Foods. 30-31 April 2014. ACECR Food Science and Technology Research Institute. Mashhad, Iran.
- 14) Najmeh Ramzanpoor Karizaki, Mahmood Chamsaz, Hamed Reza Beheshti, Javad Feizy, Ebrahim Fooladi. Stability of natamycin in dough using liquid chromatography and Design of Experiments. 1st National Conference on Science and Innovative Processing in Food Science. 1 January 2015. Azad University of Torbatehdyariyeh, Iran.
- 15) Zarrin Es'haghi, Javad Feizy, Hamed Reza Beheshti. Extraction of aflatoxins from food samples using graphene oxide functionalized with polyvinyl poly pyrrolidone nanosorbents reinforced hollow fiber followed by high performance liquid chromatography analysis 12th National Chemistry Conference of Payam Noor University. 13-14 May 2015. Payame Noor University of Mashhad, Mashhad, Iran.
- 16) Behrooz Mohamadzadeh, Bahareh Sefati, Javad Feizy, Banafsheh Sefati, Mahnaz Zhiany. Fatty acid composition and mineral contents of Crayfish in Yaghoubi dam lake in Iran. National Chemistry Conference of Payam Noor University. 13-14 May 2015. Payame Noor University of Mashhad, Mashhad, Iran.
- 17) Javad Feizy, Nastaran Reyhani, Adel Beikbabaee. Gas chromatographic determination of fatty acids in Balghoor Shir. 23th National Conference on Food Science and Technolog. 14-15 October 2015. Azad University of Quchan, Quchan, Iran.

International Conference

- 1) Behzad Haghighi, Abbas Hemati Kakhki, Javad Feizy. Detection of colored styles as one of the saffron adulterants using HPLC method. 2nd International Symposium on Saffron Biology and Technology, 28-30 October 2006, Mashhad, Iran.
- 2) Hamed Reza Beheshti, Javad Feizy, Somayeh Fakoor, Mohamad Asadi, Samira Mihanparast, Niloofar Khoshbakht Fahim. Aflatoxin and ochratoxin A in dried fruits

from Iran. 1st International Symposium on Mycotoxins in Nuts and Dried Fruits, 10-12 Sep, 2011, Damghan, Iran.

- 3) Abdolmajid Maskooki, Seidhamed Reza Beheshti, Javad Feizy, Saeedeh Valibeigi. Cholesterol removal of raw and homogenized milk using Beta cyclodextrin. 4th International Congress on Food and Nutrition, 12-14 October, 2011, Istanbul, Turkey.
- 4) Javad Feizy, Akram Azghandi Fardaghi, Ali Eshaghi. Acrylamide in Food: A review. 3rd International Nastaran Cancer Symposium 2017. 29 Nov to 1 Dec. 2017. Mashhad, Iran.
- 5) Javad Feizy, Narjes Behzadi Moghaddam. Halal spices and condiments. 1st International Halal conference, 13-14 December 2017, Mashhad, Iran.
- 6) Javad Feizy, Moslem Jahani. Application of the chromatographic methods in the authentication of Halal foods-A review. 1st International Halal conference, 13-14 December 2017, Mashhad, Iran.
- 7) Moslem Jahani, B. Marzieh Razavizadeh, Javad Feizy. Application of the infrared spectroscopy in authentication of the Halal foods. 1st International Halal conference, 13-14 December 2017, Mashhad, Iran.

Students under my Supervision

- 1) Kambiz Hosseinpanahi. Comparison between two combination methods of natural pigments as sensitizer in DSSC based TiO₂, MSc student (2017). Ferdowsi University of Mashhad
- 2) Fariba Nezeri. Extraction and Preconcentration of OchratoxinA in Food Samples using Graphene Nanoparticle-reinforced hollow fiber solid-phase microextraction combined with High performance liquid chromatography–fluorescence detection. MSc student (2017). Azad University of Mashhad.

Codification of national standards

- 1) Perchloroethylene - Vapor-Degreasing grade – Specifications. ISIRI 2644. 2014
- 2) Food Additives - Caffeine – Specifications and test methods. ISIRI 2885, 2012
- 3) Food Additives - Permitted Food Sweeteners - Sorbitol - Specifications and Test Methods. ISIRI 3911. 2012.
- 4) Tanning Extracts-Detecting The Presence Lignosulfonates (Sulfite Cellulose) –
- 5) Test Method. ISIRI 6729. 2014.
- 6) Isobutyl alcohol for industrial use –Specifications. ISIRI 8801. 2015.

- 7) N-Butyl alcohol (n-Butanol) for industrial use – Specifications. ISIRI 8802. 2015.
- 8) Food additives - Permitted food sweeteners - Aspartame-Acesulfame salt - Test methods. ISIRI 14477. 2012.
- 9) Food Additives - Permitted Food Sweetener - Mannitol - Test Methods. ISIRI 14663. 2012.
- 10) Food Additives - Permitted Food Sweeteners- Sorbitol Syruop - Test Methods. ISIRI 14664. 2012.
- 11) Food Additives - Permitted Food Sweeteners- Isomalt - Test Methods. ISIRI 14665. 2012.
- 12) Lime juice – Specifications and Test methods. ISIRI 117. 2014.
- 13) Food Additives - Permitted Acidity Regulator - Sodium Hydroxide -Specifications and Test Methods. ISIRI 14666. 2012.
- 14) Food Additives - Permitted Food Sweeteners - Sucralose - Test Methods. ISIRI 14667. 2012.
- 15) Food additives - Permitted food sweeteners - Xylitol - Test methods. ISIRI 14730. 2012.
- 16) Permitted food additives – Anticaking agents - Potassium ferrocyanide -Specifications and test methods. ISIRI 14882. 2013.
- 17) Permitted food additives – Anticaking agents - Sodium ferrocyanide - Specifications and test methods. ISIRI 14883. 2013.
- 18) Permitted food additives – Anticaking agents - Calcium ferrocyanide - Specifications and test methods. ISIRI 14884. 2013.
- 19) Food additives - Permitted food colors – Sunset Yellow – Test methods. ISIRI 14885. 2013.
- 20) Food additives - Permitted food sweeteners - Lactitol - Test methods. ISIRI 14886. 2013.
- 21) Food additives - Permitted food sweeteners - Alitame - Test methods. ISIRI 14887. 2013.
- 22) Performance criteria for microbiological safety cabinets. ISIRI 16112. 2013.
- 23) Refined Palladium- Specification. ISIRI 17294. 2014.
- 24) Refined Iridium – Specification. ISIRI 17295. 2014.
- 25) Refined Rhodium – Specification. ISIRI 17296. 2014.
- 26) Leather – Hexane Soluble Materials – Test Method. ISIRI 17384. 2014.
- 27) Methyl Isoamyl Ketone for industrial use – Specifications. ISIRI 17459. 2014.
- 28) Silver- Cadmium Oxide Contact Materials- Determination of Sodium and Potassium- Standard Guide. ISIRI 18353. 2014.
- 29) Styrene monomer – Determination of aldehydes - Test method. ISIRI 19587. 2015.
- 30) Reclaimed 1,1,2-Trichloro 1,2,2-Trifluoroethane- Specifications. ISIRI 19588. 2015.
- 31) Toluene diisocyanate – Specifications. ISIRI 19589. 2015.
- 32) Polyester grade ethylene glycol- Specifications. ISIRI 19590. 2014.
- 33) Sulfur hexafluoride – Determination of acidity - Test method. ISIRI 19735. 2015.
- 34) Acrylonitrile – Determination of total peroxides - Test method. ISIRI 19736. 2015.

- 35) Acrylonitrile – Determination of acidity - Test method. ISIRI 19737. 2015.
- 36) Food Additives – Determination of Sunset yellow in Puffed Products Based on Cereal Grit and Flour by spectrophotometry Method. ISIRI 19921. 2015.

Executive background

- 1) 2007-2010 : Expert of Testa Quality Control Laboratory
- 2) 2010-2015 : Technical and administration manager of Testa Quality Control Laboratory
- 3) 2012-Now : Iranian National Standard Organization Official Expert.
- 4) 2015-Now : Secretary ISIRI/TC34/SC7 (Spices and Condiment).
- 5) 2015-Now: Head of Central Lab. of Research Institute of Food Science and Technology