

# Mahsa Alikord

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## Education

2018–2023 **PhD.**

Tehran University of Medical Sciences  
Department of Environmental Health, Food Safety Division, School of Public Health  
Field: food hygiene and safety

2012–2016 **M.Sc.,**

Tabriz University of Medical Science, Department Nutrition and Food science  
Field: Food science and technology (Quality control)

2005–2009 **B.A. ,**

Field: Food science and technology

## Research Interests

- Food safety
- Food technology
- Nanotechnology in food
- Chemical contamination in food
- Genetic analyses focus on food
- Food Microbiology
- GM products identification

## Employment History

2013–2016 Food control manager in factory

2017 Researcher at Isfahan University of medical science, Department of Food Safety and Hygiene (department of nutrition and biotechnology)

2018 Iranian FDA as an expert office experience

## Honors, Awards, Activities

- The excellent student in M.D and PhD (no. 1 with average 19.23 and 19.29 out of 20, respectively)
  - Accepted with rank two in entrance PhD exam at Tehran University of Medical Sciences (this university is first in this field in Iran) in 2018 and now I am a student in this university
  - Rank 2 in the PhD entrance exam in Iran in food safety at Tehran University of medical science
  - Accepted with rank two in v talented entrance PhD at Tarbiat Modares University in the food science and technology in 2018
  - Accepted with rank two in entrance PhD at Tehran Medical Science University, food safety and hygiene in 2018
  - Accepted as volunteer researcher at Isfahan University of medical science, Department of Food Safety and Hygiene
  - Working with the magazines: Journal of Food Safety and Hygiene (JFSH), Journal of Food Measurement and Characterization, Food Chemistry, Food control, ...
  - Volunteer researcher at Tehran University of medical science
  - Volunteer researcher at Shahid Beheshti University of Medical Sciences
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## Publications

### Research Articles in Refereed Journals

- 1- Probabilistic health risk assessment and concentration of trace elements in meat, egg, and milk of Iran, F Karimi, M Rezaei, N Shariatifar, M Alikord, M Arabameri, M Moazzen, International Journal of Environmental Analytical Chemistry 103 (18), 6940-6951
- 2- Biosynthesis of zinc oxide nanoparticles using fermented table olive extract: A novel and green approach with potential applications, M Alikord, N Shariatifar, M Saraji, G Jahed Khaniki, H Hosseini, M Fazeli. BioNanoScience 13 (3), 1036-1051
- 3- Impacts of heavy metals in seed crops and oil seed on human health: a treat to food safety- review, Firouzeh Nazari 1 , Adel Mirza Alizadeh 2 , Mahsa Alikord 3 , Rana Dizaji ..., carpathian journal of food science and technology 15 (2), 106-124
- 4- The food and biomedical applications of curcumin-loaded electrospun nanofibers: A comprehensive review, Thomas J. Webster & Nima Rezaei Mohammadreza Rostami, Hanieh Kolahi Azar, Mojdeh Salehi, Shabnam Abedin Dargoush, Hosein Rostamani, Gholamreza Jahed-Khaniki, Mahsa Alikord, Reza Aghabeigi, Azam Ahmadi, Nima Beheshtizadeh, Critical Reviews in Food Science and Nutrition
- 5- Potential toxic elements (PTEs) concentration in wheat and flour products in Iran: A probabilistic risk assessment, M Pirhadi, M Alikord, B Tajdar-Oranj, GJ Khaniki, S Nazmara, ... Heliyon 8 (11)
- 6- Common fatty acids and polyphenols in olive oil and its benefits to heart and human health, Yahya Ebrahimi, Hawra'a Fadhel Abbas AL-Baghdady, Noora M Hameed, A

- Iswanto, Mohammed Shnain Ali, Hayder A Hammoodi, Hamzah Hashim Kzar, Surendar Aravindhan, Seyedeh Mahsa Khodaei, Mahsa Alikord, Mohadeseh Pirhadi, *Caspian Journal of Environmental Sciences*, 1-7
- 7- Food safety and quality assessment: comprehensive review and recent trends in the applications of ion mobility spectrometry (IMS), M Alikord, A Mohammadi, M Kamankesh, N Shariatifar, *Critical reviews in food science and nutrition* 62 (18), 4833-4866
  - 8- Influence of cooking process on the content of water-soluble B vitamins in rice marketed in Iran, M Rezaei, M Alizadeh Sani, M Amini, N Shariatifar, M Alikord, ...*Food Science & Nutrition* 10 (2), 460-469
  - 9- Quantitative measurement of toxic metals and assessment of health risk in agricultural products food from Markazi Province of Iran, F Karimi, N Shariatifar, M Rezaei, M Alikord, M Arabameri, *International Journal of Food Contamination* 8 (1), 2
  - 10- IMPACT OF COVID-19 PANDEMIC CRISIS AND FOOD SAFETY SYSTEM: A Literature Review, Alikord M, Molae-aghae E. *AFRICAN JOURNAL OF FOOD, AGRICULTURE, NUTRITION AND DEVELOPMENT (AJFAND)* 21 ...
  - 11- Antifungal activity and detoxification by *Candida albicans* against *Aspergillus parasiticus* and aflatoxin production, Ebrahim Molae-aghae<sup>1\*</sup> Zeinab Aghamohseni<sup>1</sup>, Sassan Rezaie<sup>2</sup>, Gholamreza Jahed Khaniki<sup>1</sup>, Mahmood Alimohammadi<sup>3</sup>, Mahsa Alikord<sup>1</sup>, Fatemeh Noorbakhsh<sup>4</sup>, Matin Mohammadi Kochesfehani<sup>1</sup> *Journal of Consumer Protection and Food Safety*
  - 12- Screening and investigation of microbial and chemical properties of meat products in Hamadan Province, Iran during 2012-2015, M Ahmadi, M Alikord, M Pirhadi, S Masoumi, E Molae Aghae, *Infection Epidemiology and Microbiology* 7 (4), 327-335
  - 13- Measurement of phthalate acid esters in non-alcoholic malt beverages by MSPE-GC/MS method in Tehran city: chemometrics, Hannah Rezaei, Mojtaba Moazzen, Nabi Shariatifar, Gholamreza Jahed Khaniki, Mohammad Hadi Dehghani, Majid Arabameri, Mahsa Alikord, *Environmental Science and Pollution Research* 28 (37), 51897-51907
  - 14- A Review of COVID-19 survival potential in food and prevention approaches, M Alikord, E Molae-aghae, M Rostam, *Infection Epidemiology and Microbiology* 6 (4), 311-326
  - 15- ELISA and Copan based evaluation and analysis of antibiotic residues in cattle milk in Qazvin, Iran. Z Nemati Niko, G Jahed Khaniki, M Alikord, E MolaeAghae, *Infection Epidemiology and Microbiology* 6 (3), 219-227
  - 16- Species identification and animal authentication in meat products: a review, M Alikord, H Momtaz, J Keramat, M Kadivar, AH Rad, *Journal of Food Measurement and Characterization* 12, 145-155
  - 17- Multiplex-PCR as a rapid and sensitive method for identification of meat species in halal-meat products, M Alikord, J Keramat, M Kadivar, H Momtaz, M N Eshtiaghi, ... *Recent patents on food, nutrition & agriculture* 8 (3), 175-182
  - 18- Eco-friendly control of licorice aqueous extract to increase quality and resistance to postharvest decay in apple and tangerine fruits, Ebrahim Molae-Aghae & Rooholla Ghanbari Mina Soleimani, Sassan Rezaie, Ramin Nabizadeh Nodehi, Gholamreza Jahed

Khaniki, Mahmood Alimohammadi, Mahsa Alikord, Fatemeh Noorbakhsh Journal of Environmental Health Science and Engineering

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30 articles

you can access in additional information see  
<https://scholar.google.com/citations?user=jZCj8j8AAAAJ&hl=en> and  
<https://www.researchgate.net/profile/Mahsa-Alikord>

#### Articles in international and national Conference

- Multiplex –PCR (speaker)
- Heavy metals in plant products ( speaker)
- Techniques of identification species meat products
- Comparing thermal , high pressure and pulsed electric field processes for pasteurization of orange juice
- Use biosensors in HACCP
- GMO products.....
- I have about 10 articles in international and national conferences

#### Books

- Handbook of microbiology in food hygiene
- Chemistry and biochemistry in food hygiene
- Analysis in food sciences
- Encyclopedia of food chemistry
- Tularemia
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#### Workshops

- Systematic review and meta-analysis
- Cristal ball for risk assessment
- Food quality control
- GMP
- GIP
- Iso 22000
- Endnote
- Methods and tests for microbes in labs
- Techniques for improving productivity in food industry units
- Optimization of laboratory methods in the flour and cereal industry

- Real time PCR
- .....
- I have participated in about 30 Workshops

## **Language proficiency**

- (Persian , English)

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