

Curriculum Vitae

Name: Mahsa Alikord

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PERSONAL INFORMATION

2018-2023- PhD.

Tehran University of Medical Sciences

Department of Environmental Health, Food Safety Division, School of Public Health

Field: food hygiene and safety

GPA: 19.29 out of 20

Supervisor: Dr. Nabi Shariatifar

2012–2016 M.Sc.,

Tabriz University of Medical Science, Department Nutrition and Food science

Field: Food science and technology (quality control)

Supervisor: Dr Aziz Homayouni Rad

GPA: 19.21 out of 20

2005–2009 B.A ,

Field: Food science and technology

GPA: 17.55 out of 20

EDUCATION

Tehran University of Medical Sciences: Tehran, Iran, IR

PhD. (Food Science and Hygiene)

Tabriz University of Medical Sciences: Tabriz, Iran, IR

M.D (Food science and quality control)

RESEARCH EXPERIENCE

۱	بررسی سیستماتیک اثربخشی روش‌های ضدغونی در کنترل آلودگی‌های میکروبی حوانه‌های خوراکی	۷/۲/۱۴۰۴	اصفهان	مصوب منظر	اجرا
۲	میکرопلاستیک‌ها در محصولات غذایی فرآوری شده: مروری سیستماتیک روش‌های تشخیص و وقوع	۷/۲/۱۴۰۴	اصفهان	مصوب منظر	اجرا

۳	در مواد غذایی B1 بررسی سیستماتیک روش های تشخیص آفلاتوکسین کودک بر پایه غلات	تهران ۳۱/۵/۱۴۰۲	ناظارت/اجرا
۴	بوسیله نانو سنسور کاغذی B1 شناسایی و سنجش حضور آفلاتوکسین حاوی نانو ذرات بیولوژیکی دارای قدرت رنگ سنجی، در غذای کودک تولیدی بر پایه غلات	تهران ۱/۱۲/۱۴۰۱ ۲۳/۱۲/۱۳۹۹	خاتمه یافته
۵	تشخیص نوع گوشت در فراورده های گوشتی حلال	تبریز ۱۳۹۲	۱۳۹۵ خاتمه یافته

TEACHING EXPERIENCE

- Chemical and microbial detection in food sciences

RELEVANT WORK EXPERIENCE

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
2024	Assistant professor

UNIVERSITY SERVICE

- Nutrition and Food Security Research Center, Isfahan University of Medical Sciences, Isfahan, Iran
- Department of Food Science and Technology, School of Nutrition and Food Science, Isfahan University of Medical Sciences, Isfahan, Iran

PUBLICATIONS

- Alikord, Mahsa; Mohammadi, Abdorreza; Kamankesh, Marzieh; Shariatifar, Nabi; ,Food safety and quality assessment: comprehensive review and recent trends in the applications of ion mobility spectrometry (IMS),Critical reviews in food science and nutrition,62,18,4833-4866,2022,Taylor & Francis
- Rezaei, Hannah; Moazzen, Mojtaba; Shariatifar, Nabi; Khaniki, Gholamreza Jahed; Dehghani, Mohammad Hadi; Arabameri, Majid; Alikord, Mahsa; ,Measurement of phthalate acid esters in non-alcoholic malt beverages by MSPE-GC/MS method in Tehran city: chemometrics,Environmental Science and Pollution Research,28,37,51897-51907,2021,Springer Berlin Heidelberg
- Shahvandari, Fatimeh; Khaniki, Gholamreza Jahed; Shariatifar, Nabi; Mahmoudzadeh, Maryam; Sani, Mahmood Alizadeh; Alikord, Mahsa; Nabizadeh, Ramin; Kamkar, Abolfazl; ,“Chitosan/cumin (Cuminum cyminum L.) essential oil edible biodegradable coating: its effect on microbial, physical and sensory properties of chicken meat during refrigeration.”,2021,
- Karimi, Fereshteh; Shariatifar, Nabi; Rezaei, Mohammad; Alikord, Mahsa; Arabameri, Majid; ,Quantitative measurement of toxic metals and assessment of health risk in agricultural products food from Markazi Province of Iran,International Journal of Food Contamination,8,1,2,2021,Springer International Publishing Cham
- Karimi, Fereshteh; Rezaei, Mohammad; Shariatifar, Nabi; Alikord, Mahsa; Arabameri, Majid; Moazzen, Mojtaba; ,“Probabilistic health risk assessment and concentration of trace elements in meat, egg, and milk of Iran”,International Journal of Environmental Analytical Chemistry,103,18,6940-6951,2023,Taylor & Francis
- Ansari, Narges; Pirhadi, Mohadeseh; Alikord, Mahsa; Bahmani, Mahmoud; Sadighara, Parisa; Manouchehri, Aliasghar; ,Increased food contamination with mold and fungi during COVID-19 crisis,Journal of Biological Research-Bollettino della Società Italiana di Biologia Sperimentale,94,2,2021,
- Ahmadi, Mehdi; Alikord, Mahsa; Pirhadi, Mohadeseh; Masoumi, Safdar; Molaei Aghaee, Ebrahim; ,“Screening and investigation of microbial and chemical properties of meat products in Hamadan Province, Iran during 2012-2015”,Infection Epidemiology and Microbiology,7,4,327-335,2021,Infection Epidemiology and Microbiology
- Rezaei, Mohammad; Alizadeh Sani, Mahmood; Amini, Mohsen; Shariatifar, Nabi; Alikord, Mahsa; Arabameri, Majid; Chalipour, Anita; Hazrati Reziabad, Reza; ,Influence of cooking process on the content of water-soluble B vitamins in rice marketed in Iran,Food Science & Nutrition,10,2,460-469,2022,
- Pirhadi, Mohadeseh; Alikord, Mahsa; Mohammadi, Masoud Aman; Shariatifar, Nabi; ,Beneficial Effects of Post-biotics on Food Products and its Effect on Human Health: a Critical Review.,Plant Biotechnology Persa,3,2,,2021,
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- Zeinab Aghamohseni1, Sassan Rezaie2, Gholamreza Jahed Khaniki1, Mahmood Alimohammadi3, Mahsa Alikord1, Fatemeh Noorbakhsh4, Matin Mohammadi kochesfehani1, Ebrahim Molaei-aghaee1*; ,Antifungal activity and detoxification by *Candida albicans* against *Aspergillus parasiticus* and aflatoxin production,Journal of Consumer Protection and Food Safety,,,2022,
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- Negahdari, Samira; Sabaghan, Mohammad; Pirhadi, Mohadeseh; Alikord, Mahsa; Sadighara, Parisa; Darvishi, Mohammad; Nazer, Mohammadreza; ,Egyptian Journal of Veterinary Sciences,,,2021,
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- Ebrahimi, Yahya; AL-Baghdady, Hawra'a Fadhel Abbas; Hameed, Noora M; Iswanto, A; Shnain Ali, Mohammed; Hammoodi, Hayder A; Hashim Kzar, Hamzah; Aravindhan, Surendar; Khodaei, Seyedeh Mahsa; Alikord, Mahsa; ,Common fatty acids and polyphenols in olive oil and its benefits to heart and human health,Caspian Journal of Environmental Sciences,,,1-7,2022,University of Guilan
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- Pirhadi, Mohadeseh; Alikord, Mahsa; Tajdar-Oranj, Behrouz; Khaniki, Gholamreza Jahed; Nazmara, Shahrokh; Fathabad, Ayub Ebadi; Ghalhari, Mohammad Rezvani; Sadighara, Parisa; ,Potential toxic elements (PTEs) concentration in wheat and flour products in Iran: A probabilistic risk assessment,Heliyon,8,11,,2022,Elsevier
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- Firouzeh Nazari , Adel Mirza Alizadeh ,Mahsa Alikord , Rana Dizaji , Zahra Torki , Shahram Shoeibi , Mir-Jamal Hosseini, Roya Khosrokhavar; ,Impacts of heavy metals in seed crops and oil seed on human health: a treat to food safety,Carpathian Journal of Food Science and Technology,,,2022,
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- Alikord, Mahsa; Shariatifar, Nabi; Saraji, Mohammad; Jahed Khaniki, Gholamreza; Hosseini, Hedayat; Fazeli, Mohammad; ,Biosynthesis of zinc oxide nanoparticles using fermented table olive extract: A novel and green approach with potential applications,Bionanoscience,13,3,1036-1051,2023,Springer US New York
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- Firouzeh Nazari 1 , Adel Mirza Alizadeh 2 , Mahsa Alikord 3 , Rana Dizaji 4 , Zahra Torki 4 , Shahram Shoeibi 5 , Mir-Jamal Hosseini 6 , * , Talat Ghane 5 , Roya Khosrokhavar 5 , *; ,Impacts of heavy metals in seed crops and oil seed on human health: a treat to food safety-review,carpathian journal of food science and technology,15,2,106-124,2023,
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- Mohammadreza Rostami, Hanieh Kolahi Azar, Mojdeh Salehi, Shabnam Abedin Dargoush, Hosein Rostamani, Gholamreza Jahed-Khaniki, Mahsa Alikord, Reza Aghabeigi, Azam Ahmadi, Nima Beheshtizadeh, Thomas J. Webster & Nima Rezaei; ,The food and biomedical applications of curcumin-loaded electrospun nanofibers: A comprehensive review,Critical Reviews in Food Science and Nutrition,,,2023,Taylor and Francis Online
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- Navab, Fatemeh; Rezaei, Atefe; Rouhani, Mohammad Hossein; Shahdadian, Farnaz; Alikord, Mahsa; ,Vitamin D3 encapsulation using maillard reaction complex of sodium caseinate and tragacanth gum,Food Chemistry: X,24,,101910,2024,Elsevier
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- Alikord, Mahsa; Shariatifar, Nabi; Saraji, Mammad; Hosseini, Hedayat; Khaniki, Gholamreza Jahed; Shoeibi, Shahram; Rezazadeh, Toba; Fazeli, Mohammad; ,Bio-nanoparticles sensor couple with smartphone digital image colorimetry and dispersive liquid–liquid microextraction

for aflatoxin B1 detection, Scientific Reports, 15, 1, 9485, 2025, Nature Publishing Group UK
London

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PRESENTATIONS AND POSTER SESSIONS

- Multiplex -PCR (speaker)
- Heavy metals in plant products (speaker)
- Contaminants in cereals(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
- Heavy metals in wheat
- Healthy bread

PATENTS

RESEARCH INTERESTS

- Food safety
- Food microbiology
- Food chemistry
- Nanotechnology
- Food control
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TEACHING INTERESTS

- Food safety
- Food microbiology
- Food chemistry
- Nanotechnology
- Food control
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PROFESSIONAL MEMBERSHIPS

EXTRA CURRICULAR ACTIVITIES

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

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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