


# Mehrnoosh Shirdeli

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Resourceful, motivated and self-motivated R&D Food Scientist/Technologist with 7+ years of experience in food product development, research, production, and sensory evaluation seeking a challenging position as a food technologist/Scientist, **Protein Mass Spectrometry and Analytical Development** in a reputable organization that will allow me to fully utilize my training and skills in this field to expand my learnings, knowledge, and skills while making a significant contribution to the success of the company or the organization.

Masters of Food Safety and Technology candidate with hands-on laboratory research experience, possess HACCP, PCQI and SQF certifications

Highly ambitious food industry professional with an understanding in nutrition.

Experience involving research & development, nutritional analysis, ingredient verification, food labeling (FDA/USDA), process develop, food regulatory and document control.

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## SKILLS

Trained in Lab Safety – Competitive Analysis – Quality Assurance – Food Technology R&D – Shelf-life Analysis - Strong food chemistry knowledge - Possess demonstrated working knowledge of SSOPs, HACCP and GMP/GLP's – Familiar with Inductively Coupled Plasma (ICP) and High-performance liquid chromatography (HPLC) devices -

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## EDUCATION

### Shahid Sadoughi University of Medical Sciences

Yazd, Iran

*Master of Science in Food Hygiene and Safety*

May 2020

Cumulative GPA: 3.87

- MA Thesis: Evaluation of the transgenic gene's presence in the liver of rats fed transgenic rice.

### Shahreza Azad University

Isfahan, Iran

*B.S. in Agricultural Engineering-Food Science and Technology*

Jun 2008 - Mar 2012

Cumulative GPA: 3.63

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**APPOINTMENT** Sep 2020 to Present.

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

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## TEACHING EXPERIENCE

Graduate Teaching Assistant: Isfahan University of Medical Science, School of Nutrition and Food Sciences, September 2020 to Present.

- Food hygiene course for occupational health engineering and public health students

- Operating advanced lab equipment course for students of Master of Food Science
- Laboratory animals and dissection - workshop
- Introduction to gel electrophoresis technique - workshop
- Introduction to polymerase chain reaction (PCR) method - workshop

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#### MEMBERSHIPS / AFFILIATIONS (*Shahid Sadoughi University of Medical Sciences*)

- Member of Education Development Center of the School of Public Health
- Member and Counselor Assistant of Counseling Services Office
- Member of Health Scientific Association Council
- Member of Nanotechnology Scientific Association Council
- Member of Executive Committee of Student Council Election
- Member of the School of Public Health Council for Cultural Policy

#### SERVICE TO THE UNIVERSITY

- Chief Editor of Student Magazine "*Tazeh haye Behdasht*"
- Member of editorial board of Publications "*Amayesh*" and "*Pazhoresh*"
- Educational assistant in the Student Research Committee
- Secretary of the Food Hygiene and Safety Association

#### HONORS / AWARDS

- Best idea certificate issued by the Young Researchers Club for functional mayonnaise sauce.
- Second Place winner in the Big Idea Competition at university level
- First place winner in Agricultural and Natural Resources startup event in SSU of Medical Sciences
- Second Place winner at National bio startup weekend event
- Third Place winner at National Medicinal Plants Startup weekend event
- First place winner in social entrepreneurship Startup Weekend event by Hamkheir Institute
- Selected as regional finalists for 10<sup>th</sup> national wide entrepreneurship Olympiad exams.
- Best Article Award Winner for benefits of probiotics in cereal industry
- Winner of the national Students of the Year Award in 14<sup>th</sup> Students of the year event
- Nominated for top national scholar award by Ministry of Health and Medical Education
- Nominated for National Elites Foundation's candidate

Taught section of 30 students for the course: The Economics of Financial Markets

- 90% of students rated over 4.5/5.0 in course evaluations

(د) طرح‌های تحقیقاتی:

بررسی آلودگی انگلی در رت‌های تغذیه شده با برنج تراریخته، مرکز تحقیقات سلامت و ایمنی غذا، مجری، ۱۳۹۶، دانشگاهی، خاتمه یافته.

بررسی تاثیر مصرف برنج تراریخته بر برخی از باکتری های شایع فلور میکروبی روده رت، مرکز تحقیقات سلامت و ایمنی غذا، مجری، ۱۳۹۶، دانشگاهی، خاتمه یافته.

بررسی فعالیت آنتی اکسیدانی عصاره کنجاله کنجد و تاثیر آن بر خواص حسی و شیمیایی ارده، کمیته تحقیقات دانشجویی، مجری، ۱۳۹۶، دانشگاهی، خاتمه یافته.

در گوشت های گاو کشتار شده در کشتارگاه یزد در سال ۱۳۹۳، مرکز تحقیقات سلامت و Sarcocyst بررسی میزان فراوانی انواع گونه‌های ایمنی غذا، در سال ۱۳۹۶، دانشگاهی، خاتمه یافته.

بررسی فعالیت آنتی اکسیدانی عصاره پوست سیب زمینی و تاثیر آن بر خواص حسی و شیمیایی ارده، کمیته تحقیقات دانشجویی، مجری، ۱۳۹۶، دانشگاهی، در حال اجرا.

طرح ملی بررسی تاثیر مصرف برنج تراریخته طارم مولایی بر سلامت رت مرکز تحقیقات سلامت و ایمنی غذا، همکار، ۱۳۹۹، ملی، در حال اجرا،

Safety assessment of genetically modified rice expressing Cry<sup>1</sup>Ab protein in Sprague–Dawley rats

## CONFERENCE PRESENTATIONS

۲۰۱۸. Academician, Andy. "Bleak House Underground." Dickens Association Annual Conference, Seattle, WA.

۲۰۱۷. Academician, Andy. "Unexpected Pathways in Detective Fiction." Victorian Studies Annual Conference, San Francisco, CA.

## Islamic World Science Citation Center

- Hassan Rezaeipandari, Farokh Legha ervat, Hadi Marzban ,Jalal, Sadeghizadeh Yazdi, Ameneh Marzban, Mehrnosh shirdeli. The impact of education on knowledge, attitude and practice about food .....Tolooe behdasht Journal. ۲۰۱۸; ۱۷(۳): ۳۹-۵۱. [Persian]
- ۳۶۳. Bahador Hajimohammadi , Hashem Montaseri , Soleyman Arjmandtalab, Mohammad Mahdi Razmjoo, Mehrab Sayadi, Mohammad Jalali, Mehrnosh, Shirdeli. Study on Survival of Probiotic Bacteria and Sensory properties of two Probiotic .....Tolooe behdasht Journal. ۲۰۱۸; ۱۷(۳): ۸۶-۹۶. [Persian]
- Bahador Haji Mohammadi, Gilda Eslami , Mahsa Aalaei , Mohammad Hassan Eshram Poush , Mohammad Ebrahim Rezvani , Hossein Fallahzadeh , Mehrnoosh Shirdeli (۲۰۱۹). Study and Comparison of Genetically and Non-Genetically Modified Rice from View Point of Possibility of Gene Transferring in Blood of Labouraty Animal. journal of Tolooe Behdasht. Tolooe behdasht Journal. ۲۰۱۹; ۱۸(۱): ۵۸- ۷۰. [Persian]
- Marzban A, Rahmanian V, Shirdeli M, Barzegaran M, Baharinya S. Knowledge, Attitude, and Practice about Food Hygiene and Safety among Food Catering Staff in Yazd. TB. ۲۰۱۹; ۱۸ (۳) : ۵۷-۶۸. [Persian]
- Shirdeli M, Marzban A, Yaghoubi F, Shirani M, Shahidi M. Application of Raman Technique in the Detection of Aflatoxins. JNFS. ۲۰۲۰; ۵ (۴) : ۲۹۳-۲۹۵.

- shirdeli M, Shahidi M S, Shirani M, marzban A, Yaghoubi F. The Effect of Edible Coating Containing Plant Extract on Inhibiting the Growth of Aflatoxin in Nuts. JCHR. ۲۰۲۰; ۹ (۳): ۱۳۹-۱۴۰
- Marzban A, Rahmanian V, Shirdeli M, Jafari F, Barzegaran M. The Effect of Education on Knowledge, Attitude, and Practice of the Catering Staffs about Food Hygiene and Safety in Yazd City. JNFS. ۲۰۲۰; ۵ (۳): ۲۶۶-۲۷۳

#### ۳-مقالات چاپ شده در مجلات با نمایه Chimichal abstract

Shirdeli M, Hosseini SS. The Importance of Using Molecular Techniques in Controlling the Quality of Meat Products. J Environ Health Sustain Dev. ۲۰۱۸; ۳(۴): ۵۵۱-۳.

Motahareh Sadat Hosseini, Mehrnoosh Shirdeli, Saeede Sadat Hosseini(۲۰۱۹). Detection of Vegetable Oils in Dairy Products Using the Polymerase Chain Reaction Technique. Journal of Community Health Research. Feb ۰۴, ۲۰۱۹

Mehrnoosh Shirdeli, Motahareh Sadat Hosseini, Saeede Sadat Hosseini(۲۰۱۹). Necessity of Paying Attention to Sesame Oil Production Safety. Journal of Environmental Health and Sustainable Development(JEHSD). Feb ۰۴, ۲۰۱۹

#### ۴-مقاله های چاپ شده در مجلات ISI

Mohammadreza Kavianpour , Gholam Reza Dabbagh , Morteza Taki<sup>۱</sup> , Mehnoosh Shirdeli , Simin Mohammadi . Effect of fresh gum of assafoetida on the damage reduction of pomegranate fruit moth, *Ectomyelois ceratoniae* (Lep., Pyralidae) in Shahreza City, International Journal of Biosciences , ۲۰۱۴ , ۵,۵(۸۶-۹۱)

M.Shirdeli .Yu.L. Orlov. G.Eslami .B Hajimohammadi .LF tabtkhunova .M H Ehrampoush .M E rezvani .H Fallahzadeh .H Zandi .S Hosseini .S Ahmadian .S Mortazavi .R Fallahi .S Asadi Yousefabad. Testing safety of genetically modified products of rice .will be published in vol.۵۵.no ۹ or ۱۰-۲۰۱۹

Safety assessment of genetically modified rice expressing Cry<sup>۱</sup>Ab protein in Sprague–Dawley rats Crossref DOI link: <https://doi.org/10.1038/s41598-021-80958-6> Published: ۲۰۲۱-۱۲

#### ۵-scopus-مقالات چاپ در ژورنال های

..... Mehnoosh Shirdeli ..... Genetically modified rice: is any effect on parasite burden?, Journal of the American Association for Laboratory Animal Science(در دست چاپ)

Shirdeli M. (۲۰۱۸). Huge water shortage crisis of ۲۰۱۸ in Iran and its suspected relationship with the three recent infectious diseases outbreaks. Journal of Food Quality and Hazards Control. ۵: ۱۱۶.

Jalili M, Ebrahimi AA, Ehrampoush MH, et al. Evaluation of iodine in distributed salts in Abarkouh County in ۲۰۱۷-۲۰۱۸. J Environ Health Sustain Dev. ۲۰۱۸; ۳(۴): ۵۵۷-۶۶.