

Curriculum Vitae

Personal Particulars

First name: Elham

Surname: Hosseini

Place of birth: Tehran, Iran

Current status: PhD holder in “Health Sciences” from Isfahan University of Medical Sciences, Isfahan, Iran

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Education

1. **Bachelor of Science:** Food Science & Technology, Isfahan University of Technology, Isfahan, Iran.

***Bachelor Presentation:** Investigation of Fermentation Methods of Citric Acid by *Aspergillus Niger*, under supervision of Prof. Mohammad Reza Shokrani.

2. **Master of Science:** Food Science and Nutrition, Ghent University, Gent, Belgium.

***Master thesis:** Glycemic Index and Glycemic Load as risk factors of Type 2 Diabetes Mellitus in Iranian population, under supervision of Prof. Patrick Kolsteren.

3. **Ph.D.:** Health Sciences, Isfahan University of Medical Sciences, Isfahan, Iran.

***Ph.D. dissertation:** Pregnancy outcomes of gestational diabetes mellitus using one-step versus two-step diagnostic approaches, under supervision of Prof. Mohsen Janghorbani.

Publications

1. **Hosseini E**, Mokhtari Z, Poustchi H, et al. Dietary Advanced Glycation End Products and Risk of Overall and Cause-Specific Mortality: Results from the Golestan Cohort Study. *International Journal of Environmental Research and Public Health* (Q1; IF: 4.61). 2023;20(5):3788.

2. **Hosseini E**, Mokhtari Z, Salehi Abargouei A, et al. Maternal circulating leptin, tumor necrosis factor-alpha, and interleukine-6 in association with gestational diabetes mellitus: a systematic review and meta-analysis. *Gynecological Endocrinology* (Q2; IF: 2.27). 2023;39(1):2183049.
3. Falsafi SR, Bangar SP, Chaudhary V, **Hosseini E**, et al. Recent advances in oral delivery of bioactive molecules: Focus on prebiotic carbohydrates as vehicle matrices. *Carbohydrate Polymers* (Q1; IF: 10.72). 2022:120074.
4. Mokhtari Z, **Hosseini E**, Hekmatdoost A, et al. The effects of fasting diets on nonalcoholic fatty liver disease. *Nutrition Reviews* (Q1; IF: 5.78). 2022;00(0):1–12.
5. Mokhtari Z, **Hosseini E**, Zaroudi M, et al. The Effect of Vitamin D Supplementation on Serum 25-Hydroxy Vitamin D in the Patients Undergoing Bariatric Surgery: a Systematic Review and Meta-Analysis of Randomized Clinical Trials. *Obesity Surgery* (Q1; IF: 3.60). 2022.
6. Kazemi A, Soltani S, Mokhtari Z, Khan T, **Hosseini E**, et al. The relationship between major food sources of fructose and cardiovascular disease, cancer, and all-cause mortality: a systematic review and dose-response meta-analysis of cohort studies. *Critical Reviews in Food Science and Nutrition*. (Q1; IF: 11.17). 2021;1-14.
7. **Hosseini E**, Janghorbani M. One versus two abnormal glucose values in 100-g, 3-hour oral glucose tolerance test during pregnancy and risk of adverse pregnancy outcomes (In preparation).
8. **Hosseini E**, Janghorbani M, Aminoroaya A. Incidence, risk factors, and pregnancy outcomes of gestational diabetes mellitus using one-step versus two-step diagnostic approaches: a population-based cohort study in Isfahan, Iran. *Diabetes Research and Clinical Practice* (Q1; IF: 5.6). 2018;140:288-294.
9. **Hosseini E**, Janghorbani M. Systematic review and meta-analysis of one-step versus two-step diagnostic approach for gestational diabetes mellitus and their impact on pregnancy outcomes. *International Journal of Gynecology and Obstetrics* (Q2; IF: 3.56). 2018;143:137-144.
10. **Hosseini E**, Janghorbani M, Shahshahan Z. Comparison of risk factors and pregnancy outcomes of gestational diabetes mellitus diagnosed during early and late pregnancy. *Midwifery* (Q1; IF: 2.38). 2018;66:64-69.
11. Khademi F, Poursina F, **Hosseini E**, Akbari M, Ghasemian Safaei H. Helicobacter pylori in Iran: a systematic review on the antibiotic resistance. *Iranian Journal of Basic Medical Science* (Q2; IF: 2.7). 2015;18(1):2-7.
12. Janghorbani M, Mansourian M, **Hosseini E**. Systematic review and meta-analysis of age at menarche and risk of type 2 diabetes. *Acta Diabetologica* (Q1; IF: 4.28). 2014;51(4).
13. **Hosseini E**, Lachat C, Mohammadifard N, Sarrafzadegan N, Kolsteren P. Association of dietary glycemic index and glycemic load with glucose intolerance in Iranian

adults. *International Journal of Diabetes in Developing Countries* (Q4; IF: 0.7). 2013;34(2):89-94.

14. **Hosseini E**, Poursina F, Van de Wiele T, Ghasemian Safaei H, Adibi P. Helicobacter pylori in Iran; a systematic review on the association of genotypes and gastroduodenal diseases. *Journal of Research in Medical Sciences* (Q2; IF: 1.8). 2012;17(3):280-92.
15. **Hosseini E**, Grootaert C, Van de Wiele T, Verstraete W. Propionate as a health-promoting microbial metabolite in the human gut. *Nutrition Reviews* (Q1; IF: 5.8). 2011;69(5):245-58.

Major Subjects Studied

Food and nutrition interventions - Food management and marketing - Applied statistics for food sciences - Human nutrition - Human development economics - Nutrition disorders - Nutrition epidemiology - Nutrition planning - Nutrition project - General chemistry - Organic chemistry - Biochemistry - Food chemistry - Food analysis - General microbiology - Food microbiology and analysis - Mathematics – Physics - Dairy and dairy products - Meat and meat products - Sugar industries - Oil industries - Soft drinks and beverages - Packaging - Food preservation - Food company's sanitation - Cereal industries - Food processing - Basic nutrition - Nutrition interventions - Biostatistics - Research methodology – Epidemiology – Epidemiology of non-communicable diseases

Certificates

1. Certificate of attendance in; **the Third International Clinical Nutrition Conference**, Mashhad University of Medical Sciences, Mashhad, Iran, February 17-19, 2020.
2. Certificate of attendance in; **15th Congress of the Iranian Children's Scientific Nutrition Association**, organized by the Scientific Association of Pediatric Nutrition of Iran, Tehran, Iran, February 5-7, 2020.
3. Oral presentation and certificate of attendance in; **the 5th International and 7th Iranian Congress of Endocrinology & Metabolism Updates**, organized by Isfahan Endocrine and Metabolism Research Center, Isfahan University of Medical Sciences, Isfahan, Iran, November 20-22, 2019.
4. Certificate of attendance in the workshop of; **Introduction to EndNote**, Medical Education Development Center, Isfahan University of Medical Sciences, Isfahan, Iran, 2018.
5. Certificate of attendance in the workshop of; **Cohort Studies**, Medical Education Development Center, Isfahan University of Medical Sciences, Isfahan, Iran, 2018.

6. Certificate of attendance in the workshop of; **Data Analysis using advanced Linear Logistic & Regression Logistic methods**, Medical Education Development Center, Isfahan University of Medical Sciences, Isfahan, Iran, 2016.
7. Certificate of attendance in the workshop of; **Advanced SPSS**, Medical Education Development Center, Isfahan University of Medical Sciences, Isfahan, Iran, 2014.
8. Certificate of attendance in the workshop of; **Introduction to Research Methodology**, Medical Education Development Center, Isfahan University of Medical Sciences, Isfahan, Iran, 2014.
9. Certificate of attendance in the workshop of; **Introduction to SPSS**, Medical Education Development Center, Isfahan University of Medical Sciences, Isfahan, Iran, 2014.
10. Certificate of attendance in the workshop of; **Meta-analysis**, Medical Education Development Center, Isfahan University of Medical Sciences, Isfahan, Iran, 2014.
11. Certificate of attendance in the workshop of; **Diabetes**, Isfahan Endocrine and Metabolism Research Center, Isfahan University of Medical Sciences, Isfahan, Iran, January 21-March 15, 2014.
12. Certificate of attendance in the workshop of; **Bioinformatics**, Medical Education Development Center, Isfahan University of Medical Sciences, Isfahan, Iran, 2013.
13. Certificate of attendance in the workshop of; **Gas Chromatography**, November 2-3, 2010, International Goods Inspection Company, Tehran, Iran.
14. Certificate of attendance in the workshop of; **Quantification of Heavy Metals in Food Stuff by Atomic Absorption**, 1th November 2010, International Goods Inspection Company, Tehran, Iran.
15. Certificate of attendance in the course of; **To get familiar with Iran National Standards Compilation Method**, August 19-20, 2010, Isfahan, Iran).
16. Certificate of attendance in the course of; **Analysis of Variance (In English)**, 06-05-2010, Ghent University, Belgium.
17. Certificate of attendance in the course of; **Academic English: Conference Skills (In English)**, 22 February-22 May 2010, Talent Centrum, Ghent University, Belgium.
18. Poster presentation and certificate of attendance in; **Belgian Society of Microbiology meeting (In English)**, 2009-12-11, Brussels.

19. Certificate of attendance in the course of; **Molecular Diagnostic IV (In English)**, 28-29 May 2009, Rotterdam, Netherland.
20. Certificate of attendance in the workshop of; **Building Skills on the Analysis of Thermal Process Contaminants in Foods (In English)**, 22-26 October 2008, Hacettepe University, Ankara, Turkey.
21. Certificate of attendance in; **the Second International Conference on Surveying Health in Complex Situations (In English)**, organized by CRED and LSHTM, June 4th-5th, 2007, Brussels, Belgium, www.cred.be/SurveyConference2007
22. Certificate of attendance in the course of; **Practice English level 3**, 23 February-25 May 2005, Talent Centrum, Ghent University, Belgium.

Trainings

1. **Project designing** - Ghent University, Belgium.
2. **Technical document development** - Ghent University, Belgium.
3. **Building Skills on the Analysis of Thermal Process Contaminants in Foods** - October 22-26, 2007, Ankara, Turkey.
4. **Polymerase chain reaction (PCR)** – Laboratory of Microbial Ecology and Technology (LabMet), Ghent University, Belgium.
5. **Real-time PCR (qPCR)** - Laboratory of Microbial Ecology and Technology (LabMet), Ghent University, Belgium.
6. **DNA extraction** - Laboratory of Microbial Ecology and Technology (LabMet), Ghent University, Belgium.
7. **Microbial analysis of the human gastro-intestinal tract** - Laboratory of Microbial Ecology and Technology (LabMet), Ghent University, Belgium.
8. **Chemical analysis of all kinds of beverages including gaseous soft drinks, fruit juices, concentrates, nectars, lemon juice, edible salt, and iodized salt** – August 22-30, 2010, Isfahan, Iran.

Work Experience

2018 till present: Research related activities.

2014-2018: Ph.D. student in “Health Sciences”. Performing research related activities regarding food, nutrition, and health sciences.

2013-2014: Lecturer of “General Microbiology” course at Azad University of Shahreza, Isfahan, Iran.

2012-2013: Lecturer of “Fermentation Processes” course at Azad University of Ardestan, Isfahan, Iran.

2010-2012: Expert in food analytical chemistry- Food Quality Control and Research Laboratory of Ebne Sina, Isfahan, Iran. Quality control of all kinds of food such as beverages, cans, pickles, cereals, milk and milk products, and meat and meat products.

2009-2010: Scientific collaborator at the Laboratory of Microbial Ecology and Technology (LabMet) conducting research activities regarding the effect of different prebiotics on the microbial composition and metabolic activities of the human gastro-intestinal tract, Ghent University, Gent, Belgium.

2008-2009: Technical assistant in a Food Chemical Laboratory at Ghent University, Belgium.

2007-2008: Working on extra thesis for the master program in “Food Science and Nutrition” at Ghent University, Belgium.

2005-2007: Studying a master program in “Food Science and Nutrition” at Ghent University, Belgium.

2004-2005: Maternity leave.

2002-2004: Food quality control manager at a candy company (producing traditional candies mainly from sugar) under supervision of the Institute of Standards and Industrial Research of Iran, Isfahan, Iran.

2001-2002: Maternity leave.

1998-2001: Food quality control manager at a cookie and biscuit producing company under supervision of the Institute of Standards and Industrial Research of Iran, Isfahan, Iran.

References

1. **Prof. Mohsen Janghorbani**, Professor of Epidemiology, School of Public Health, Isfahan University of Medical Sciences, Isfahan, Iran. Tel: +98 913 114 7467; E-mail: janghorbani@yahoo.com

2. **Prof. Zahra Shahshahan**, Department of Obstetrics and Gynaecology, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran. Tel: +98 913 119 0849; E-mail: shahshahan@med.mui.ac.ir

3. **Prof. Hasan Rezvanian**, Isfahan Endocrine and Metabolism Research Center, Isfahan University of Medical Sciences, Isfahan, Iran. Tel: +98 913 126 7422; E-mail: rezvanian@med.mui.ac.ir

4. **Prof. Tom Van de Wiele**, Department of Biochemical and Microbial Technology (Laboratory of Microbial Ecology and Technology). Coupure Links 653, B-9000 Gent, Belgium. Tel: +32/9/264.59.12; E-mail: tom.vandewiele@ugent.be

5. **Prof. Carl Lachat**, Faculty of Bioscience Engineering, Department of Food Technology, Safety and Health. Coupure Links 653, geb. A, B-9000 Gent, Belgium. E-mail: carl.lachat@ugent.be