



بسمه تعالی

## شرح سوابق علمی

اطلاعات شخصی	
نام و نام خانوادگی	حسن احمدی گاولیقی
تاریخ تولد	۱۳۵۷
کد ملی	۱۵۳۱۷۹۵۴۸۱
محل تولد	میانه
وضعیت تأهل	متاهل
گروه آموزشی	علوم و صنایع غذایی
آدرس دانشگاه	دانشکده کشاورزی - دانشگاه تربیت مدرس - ص پ ۳۳۶-۱۴۱۱۵ تهران
تلفن	۴۸۲۹۲۳۱۳
دورنگار	۴۸۲۹۲۳۱۳
پست الکترونیکی	ahmadi.ha@gmail.com و ahmadi_ha@modares.ac.ir

### سوابق تحصیلات عالی

دوره تحصیلی	نام دانشگاه	رشته تحصیلی	تاریخ اخذ مدرک	معدل
۱	دانشگاه ارومیه	مهندسی صنایع غذایی	۱۳۷۹	۱۶/۲۰
۲	دانشگاه تربیت مدرس	مهندسی صنایع غذایی	۱۳۸۱	۱۷/۲۸
۳	دانشگاه فنی دانمارک	علوم و صنایع غذایی	۱۳۹۲	عالی

### سوابق شغلی

نوع فعالیت	محل کار	زمان
عضو هیئت علمی (دانشیار)	دانشگاه تربیت مدرس	آبان ماه ۱۳۹۲ تا حال
پسادکتری	دانشگاه فنی دانمارک	۳ ماه
عضو هیئت علمی (مری) (مری)	دانشگاه تربیت مدرس	۱۳۸۲-۱۳۸۸

### عضویت در مجلات علمی

نام مجمع	زمان پیوستن
۱	انجمن متخصصین علوم و صنایع غذایی ایران

### داوری مجلات علمی

نام مجله	محل انتشار
۱	مجله علوم و صنایع غذایی ایران
۲	پژوهش‌های صنایع غذایی
۳	Applied Biochemistry and Biotechnology

## دروس تدریسی

دانشگاه تربیت مدرس	1	صنایع گوشت تکمیلی (کارشناسی ارشد)
دانشگاه تربیت مدرس	2	تولید و کاربرد آنژیمهای در صنایع غذایی (دکتری)
دانشگاه تربیت مدرس	۳	فرآوری محصولات جانبی و ضایعات مواد غذایی ( کارشناسی ارشد)
دانشگاه تربیت مدرس	۴	اثر فرایندها بر میکروارگانیسمها و آنژیمهای (کارشناسی ارشد)

## Research Publications

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- [1] Tavakoli, A., Sahari, M. A., Barzegar, M., **Ahmadi Gavlighi, H.**, Marzocchi, S., Marziali, S., and Caboni, M. F. (2022) The effect of refining process on the volatile compounds, oxidation stability and fatty acids profile of soybean oil using an electrostatic field, *Journal of Food Processing and Preservation* 46.
- [2] Sharifi, A., Hamidi-Esfahani, Z., **Ahmadi Gavlighi, H.**, and Saberian, H. (2022) Assisted ohmic heating extraction of pectin from pomegranate peel, *Chemical Engineering and Processing - Process Intensification* 172.
- [3] Rahimi, R., **Ahmadi Gavlighi, H.**, Amini Sarteshnizi, R., Barzegar, M., and Udenigwe, C. C. (2022) In vitro antioxidant activity and antidiabetic effect of fractionated potato protein hydrolysate via ultrafiltration and adsorption chromatography, *LWT* 154.
- [4] Maassoumi, N., Ghanati, F., Zare-Maivan, H., and **Gavlighi, H. A.** (2022) Metabolic changes network in selenium-treated Astragalus cells derived by glutathione as a core component, *Plant Cell, Tissue and Organ Culture*.
- [5] Zoghi, A., Vedadi, S., Esfahani, Z. H., **Gavlighi, H. A.**, and Khosravi-Darani, K. (2021) A review on pectin extraction methods using lignocellulosic wastes, *Biomass Conversion and Biorefinery*.
- [6] Sardabi, F., Azizi, M. H., **Gavlighi, H. A.**, and Rashidinejad, A. (2021) The effect of Moringa peregrina seed husk on the in vitro starch digestibility, microstructure, and quality of white wheat bread, *LWT* 136.
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- [10] Ghandehari Yazdi, A. P., Barzegar, M., Sahari, M. A., and **Gavlighi, H. A.** (2021) Encapsulation of pistachio green hull phenolic compounds by spray drying, *Journal of Agricultural Science and Technology* 23, 51-64.
- [11] Ghaderi-Ghahfarokhi, M., Yousefvand, A., **Ahmadi Gavlighi, H.**, and Zarei, M. (2021) The effect of hydrolysed tragacanth gum and inulin on the probiotic viability and

quality characteristics of low-fat yoghurt, *International Journal of Dairy Technology* 74, 161-169.

- [12] Delfanian, M., Sahari, M. A., Barzegar, M., and **Ahmadi Gavlighi, H.** (2021) Effect of Steric Structure on the Mechanism of Antioxidant Activity of Alkyl Gallates in Soybean Oil Triacylglycerols—A Kinetic Approach, *European Journal of Lipid Science and Technology* 123.
- [13] Delfanian, M., Sahari, M. A., Barzegar, M., and **Ahmadi Gavlighi, H.** (2021) Structure–antioxidant activity relationships of gallic acid and phloroglucinol, *Journal of Food Measurement and Characterization* 15, 5036-5046.
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- [15] Alavi, M., Tabarsa, M., and **Ahmadi Gavlighi, H.** (2021) Antioxidant activity,  $\alpha$ -amylase and  $\alpha$ -glucosidase inhibition properties of sulfated-polysaccharides purified from freshwater plant *Myriophyllum spicatum* L, *Journal of Food Science and Technology (Iran)* 18, 81-90.
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- [21] Karimi, N., Nikoo, M., **Ahmadi Gavlighi, H.**, Piri Gheshlaghi, S., Regenstein, J. M., and Xu, X. (2020) Effect of pacific white shrimp (*Litopenaeus vannamei*) protein

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- [24] Ghandehari Yazdi, A. P., Barzegar, M., **Ahmadi Gavlighi, H.**, Sahari, M. A., and Mohammadian, A. H. (2020) Physicochemical properties and organoleptic aspects of ice cream enriched with microencapsulated pistachio peel extract, *International Journal of Dairy Technology 73*, 570-577.
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- [38] Ghandahari Yazdi, A. P., Barzegar, M., Sahari, M. A., and **Ahmadi Gavlighi, H.** (2019) Optimization of the enzyme-assisted aqueous extraction of phenolic compounds from pistachio green hull, *Food Science and Nutrition* 7, 356-366.
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- [41] Aghagholidzadeh, R., Kadivar, M., Nazari, M., **Ahmadi, H.**, and Azizi, M. H. (2019) Capability of solvent retention capacity to quality of flat bread in three wheat cultivars, *Journal of Food Science and Technology* 56, 775-782.
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- [51] **Ahmadi Gavlighi, H.**, Tabarsa, M., You, S., Surayot, U., and Ghaderi-Ghahfarokhi, M. (2018) Extraction, characterization and immunomodulatory property of pectic polysaccharide from pomegranate peels: Enzymatic vs conventional approach,

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### Book Chapters

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- [1] Zaidel, D. N. A., **Gavighi, H. A.**, Khairuddin, N., Zainol, N., Hashim, Z., Mohammad, N. A., and Lazim, N. A. M. Functional Properties and Potential Application of Biosurfactants as a Natural Ingredient in the Food Industry, In *Microbial Surfactants*, pp 98-132, CRC Press.
- [2] Nikoo, M., Xu, X., and **Gavighi, H. A.** (2016) Seafood Waste-Derived Peptides: Their Antioxidant Activity and Potential as Alternative Preservatives in Fish Products, In *Protein Byproducts: Transformation from Environmental Burden Into Value-Added Products*, pp 315-332.
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### Patent

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ENZYMATIC PRODUCTION OF POLYSACCHARIDES FROM GUM TRAGACANTH  
MIKKELSEN, Jørn Dalgaard; (DK),**GAVLIGHI, Hassan Ahmadi;** (IR),MICHALAK, Malwina; (DK),  
MEYER, Anne S.; (DK),ALE, Marcel Tutor; (DK); (WO/2014/170498), **Publication**

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