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Personal Information

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❖ Current Position:

- Full-time Prof., Department of Food Materials and Process Design Engineering, Faculty of Food Sci. Tech., Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, IRAN
- Part-time Prof., Shandong Academy of Agricultural Sciences, Jinan, China
- Scientific Advisory Board Member, Campus Auga, University of Vigo, Spain
- Part-time Prof., Iran Food and Drug Administration, Halal Research Center, Tehran, IRAN

❖ Educational Background:

- ✓ **BSc:** Food Science and Technology (*with honors*), Urmia University, IRAN, **1993-1996**.
- ✓ **MSc:** Food Science and Technology (*with honors*), Ferdowsi University of Mashhad, IRAN, **1996-1998**.
- ✓ **PhD:** Food Process Engineering (*with honors*), University of Queensland, AUSTRALIA, **2003-2007**.

❖ Research Interests:

- Nano-encapsulation and spray drying of food ingredients,
- Production and stability of bioactive-loaded nano/emulsions and nanocarriers,
- Application of nanotechnology in the food industry,
- Extraction of nutraceuticals and formulation of functional foods,
- Food physical properties and process engineering.

Awards and Honors

1. One of the top 1% scientists in the world with the highest citations, reported by Clarivate Analytics, Essential Scientific Indicators (**2015-2024**) in the field of Biological Sciences.
2. One of the world's highly cited researchers (HCR), reported by Clarivate Analytics, Web of Science (**2018, 2019, 2020**).
3. Ranked No. 13 in the world list of top 100 scientists in the field of Food Science and Technology by Chinese Academy of Science (**2022**)
4. Top reviewer in the field of Agriculture and Biological Sciences (**2017, 2018, 2019**) for all International Journals, reported by Publons (Clarivate Analytics).
5. Top national researcher of IRAN (**2017**), selected by the Ministry of Science, Research, and Technology.
6. Editor of more than 40 International Books published by Elsevier, Springer, and Taylor and Francis.
7. Author of the most-cited articles in Int. J. Food Properties, Food Hydrocolloids, Int J. Biol. Macromolecules, Food Res. Int., Colloids Surfaces B, Food Chem., Adv. Colloid Interface Sci., Trends Food Sci. Tech., Drying Tech., and Comp. Rev Food Sci Food Safety (**2010-2024**).
8. Distinguished award by the University of Queensland for PhD thesis (**2007**).
9. Winner of a scholarship for final year of PhD degree from Australian Government (**2005**).
10. Winner of a scholarship to study abroad in PhD degree from Iranian Government (**2001**).

Editorial Board Member for JCR Journals

1. Editorial Member, *Advances in Colloid and Interface Science* (Elsevier), from **2021**.
2. Editorial Member, *Food Frontiers* (Wiley), **2021-2024**.
3. Associate Editor, *International Nano Letters* (Springer), **2010-2019**.
4. Guest Editor for a Special Issue (The biological fate of delivery systems and encapsulated bioactive compounds), *Advances in Colloid and Interface Sciences* (Elsevier), **2025**.
5. Guest Editor for a Special Issue (Emerging nanocarriers for the protection and controlled delivery of food bioactive compounds), *Food Chemistry* (Elsevier), **2023**.
6. Guest Editor for a Special Issue (Application of nano/biotechnology in the detection of food safety and spoilage), *Frontiers in Nutrition* (Frontiers), **2023**.
7. Guest Editor for a Special Issue (Bioactive ingredients in the food matrix), *Molecules* (MDPI), **2022**.
8. Guest Editor for a Special Issue (Extraction, processing, and encapsulation of food bioactive compounds), *Food Chemistry* (Elsevier), **2021**.
9. Guest Editor for a Special Issue (Spray drying for the retention of food bioactive compounds and nutraceuticals), *Drying Technology* (Taylor and Francis), **2021**.
10. Guest Editor for a Special Issue (Nano-emulsions: an emerging platform for biomedical applications, encapsulation and delivery of active ingredients), *Colloids and Surfaces B: Biointerfaces* (Elsevier), **2021**.

International Positions and Joint Research Projects

1. Scientific Advisory Board Member, Campus Auga, University of Vigo, Spain (**2021-2025**)
2. Part-time Prof. and Talent Research Partner, Shandong Academy of Agricultural Sciences, Jinan, China (**2025-2027**)
3. Part-time Prof. and Director, International Iberian Agri-Food Research Center, University of Vigo, SPAIN (**2021-2023**)
4. Visiting Prof., Hebei Agricultural University, "Belt and Road" Innovative Talent Exchange Foreign Expert Project (Grant Number DL2023003001L), Chinese Ministry of Science and Technology, CHINA (**2022-2024**)
5. Visiting Prof., Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO), "Belt and Road" Innovative Talent Exchange Foreign Expert Project (Grant Number DL2021014003L), Chinese Ministry of Science and Technology, CHINA (**2021-2022**)
6. Visiting Prof., Erasmus Program Staff Mobility for Teaching, Usak University, Usak, TURKEY (**2022**)
7. Visiting Prof., Huazhong Agricultural University, Wuhan, CHINA (**2022**)
8. Joint director of a research project on "Development and characterization of a smart packaging for *in-situ* authentication of saffron based on silver nanoparticles-decorated nanocellulose", funded by Iranian Ministry of Science, Research and Technology and Istanbul Technical University, Tubitak, TURKEY (**2021-2023**)
9. Director of a research project funded by MBG Development Co., on nanoencapsulation of functional biomolecules, USA (**2020-2021**)
10. Visiting Prof., Warsaw University of Life Sciences, Polish National Academy for Academic Exchange (Grant Number BPN/ULM/2021/1/00105/DEC/1), POLAND (**2022**)
11. Scientific advisor of AKAITO Company for saffron processing, JAPAN (**2020-2022**)
12. Director of a research project funded by UNESCO, on extraction and encapsulation of saffron bioactive compounds, ITALY (**2015**)

National Research Projects

1. Director of many joint research projects with Iranian private companies and food industries including Kamnoush Tomato Paste Co., Bahraman Saffron Co., Behpak Oil Processing Co., Iran Can Manufacturing Co., AmirKabir Borna Date Processing Co., ArenaNan Bread Co., Manizan Dairy Products (**2009-2023**).
2. Director of some National research projects on the strategic management of bread industries, wheat storage companies, flour processing centers, and general food industries of Iran (**2010-2017**).

Published Papers in International JCR Journals

Research Papers

1. Narmani, A., S. Ganji, M. Amirishoar, F. Hajikarimi, A. Mazandaran, M. Karimi, A. Mohammadinejad, A. Azadpour, R. Jahedi, E. Assadpour and **S. M. Jafari** (2025). "Dual targeting of breast cancer by chitosan/poly lactic-co-glycolic acid nanodelivery systems: Surface activation with folic acid/aptamers, and co-encapsulated with Sorafenib and quercetin." *Carbohydrate Polymer Technologies and Applications* **9**: 100695.
2. Rajabi, H., S. Sedaghati, H. Farajnezhad and **S. M. Jafari** (2025). "Spray drying of saffron extract-loaded coacervates by carboxymethyl cellulose/maltodextrin/saffron petal anthocyanins." *Carbohydrate Polymer Technologies and Applications* **9**: 100690.
3. Blinov, A., A. Nagdalian, A. Serov, A. Blinova, Z. Rekhman, A. Gvozdenko, A. Golik, A. Askerova, M. Pirogov, M. Kolodkin and **S. M. Jafari** (2025). "Selenium nanoparticles stabilized with Tween 80: Synthesis, characterization, and application in fortified milk and fermented dairy products." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* **706**: 135822.
4. Mottaki, M., **S. M. Jafari**, S. M. Hosseini, A. Sadeghi and F. Heydari-Delfard (2025). "Pickering emulsions stabilized by chitosan nanoparticles and loaded with clove essential oil as a green biopesticide: A case study on controlling fungal growth in oranges." *Postharvest Biology and Technology* **219**: 113234.
5. Akbarbaglu, Z., A. Ramezani, A. Rafati, N. Mazloomi, **S. M. Jafari**, M. A. Hesarinejad, F. Khaleghi and K. Sarabandi (2025). "Bio-functional, antibacterial, ACE and DPP-IV inhibitory activities of thyme, flax and apple pollen-peptides by controlled enzymolysis." *Journal of Agriculture and Food Research* **19**: 101617.
6. Mahyian, A., E. Mahdian, E. Ataye-Salehi and **S. M. Jafari** (2025). "Formulation and characterization of low-fat breakfast cream using conjugated whey protein and modified starch." *International Journal of Biological Macromolecules* **289**: 138810.
7. Abedi-Firoozjah, R., S. Azimi-Salim, A. Afrah, M. H. Moradiyan, E. Assadpour, Z. Sarlak, M. Azizi-Lalabadi, D. Dehnad and **S. M. Jafari** (2025). "Comparison of the pH- and NH3-sensitivity of chitosan/polyvinyl alcohol smart films containing anthocyanins or betacyanins for monitoring fish freshness." *Carbohydrate Polymer Technologies and Applications* **9**: 100639.
8. Mokhtari, Z., **S. M. Jafari**, A. M. Ziaifar and I. Cacciotti (2025). "Development and characterization of caffeine-loaded nanoliposomes decorated by cationic amylose and cationic amylose- menthol inclusion complex coatings; a novel oral co-delivery system." *Food Chemistry* **463**: 141350.
9. Parandi, E., M. Mousavi, H. Kiani, S. Nasirjoonaghani, M. Rouhi, H. Rashidi Nodeh, E. Assadpour, F. Zhang and **S. M. Jafari** (2024). "Controlled and rapid microreactor-assisted hydrolysis of sesame protein by a novel nanobiocatalyst; immobilized alcalase over activated sol-gel magnetic nanosupport." *Chemical Engineering Journal* **496**: 153900.
10. Rajabi, H. and **S. M. Jafari** (2024). "Synthesis and characterization of three-dimensional graphene oxide-chitosan/ glutaraldehyde nanocomposites: Towards adsorption of crocin from saffron." *International Journal of Biological Macromolecules* **281**: 136672.
11. Rezaei, A., E. Sadeghi, E. Assadpour, M. h. Moradiyan, S. Khaledian, N. Rezaei, D. Dehnad, F. Zhang, M. Azizi-lalabadi and **S. M. Jafari** (2024). "Preparation and characterization of gelatin/Kappa-carrageenan halochromic films containing curcumin for active and smart food packaging." *Food Bioscience* **62**: 105304.
12. Dehnad, D., B. Emadzadeh, B. Ghorani, G. Rajabzadeh and **S. M. Jafari** (2024). "Assembly of niosomal nanodelivery system for iron: introducing a green-hybrid method to enhance encapsulation efficiency." *Journal of Food Measurement and Characterization* **18**(12): 9793-9804.
13. Abedi-Firoozjah, R., S. Azimi-Salim, A. Afrah, R. Yekta, E. Assadpour, M. Azizi-Lalabadi and **S. M. Jafari** (2024). "Freshness/spoilage monitoring of protein-rich foods by betacyanin-loaded gelatin/carboxymethyl cellulose halochromic labels." *Future Foods* **10**: 100458.
14. Karimi, A., A. p. Ghandehari Yazdi, M. Barzegar, M. Rahmati, N. Bazsefidpar, A. Soltani and **S. M. Jafari** (2024). "Utilizing pistachio green hull extract to produce sugar-free muffins with antioxidant and antidiabetic potential." *Applied Food Research* **4**(2): 100510.
15. Parhizkary, M., **S. M. Jafari**, E. Assadpour, A. Enayati and M. Kashiri (2024). "Pea protein-coated nanoliposomal encapsulation of jujube phenolic extract with different stabilizers; characterization and in vitro release." *Food Chemistry*: X **23**: 101771.
16. Razghandi, E., A.-H. Elhami-Rad, **S. M. Jafari**, M.-R. Saiedi-Asl and H. Bakhshabadi (2024). "Combined pulsed electric field-ultrasound assisted extraction of yarrow phenolic-rich ingredients and their nanoliposomal encapsulation for improving the oxidative stability of sesame oil." *Ultrasonics Sonochemistry* **110**: 107042.
17. Alkhatab, H., F. Mohamed, M. Alfatama, E. Assadpour, M. S. Kharazmi, **S. M. Jafari**, M. Z. Islam Sarker, K. Kumar Sadasivuni, A. S. Mohmad Sabere and A. A. Doolaanea (2024). "Pilot scale manufacturing of black seed oil-loaded alginate beads; process development, and stability of thymoquinone." *Helikon* **10**(19): e37630.
18. Ben Menni, D., N. Belyagoubi-Benhammou, I. Abdelli, S. Bekkal Brikci, A. Benmahieddine, H. Ben Menni, O. Boutrif, A. Gismondi, G. Di Marco, A. D'Agostino, A. Canini, H. Benamar, M. Saeed Kharazmi, M. A. Prieto Lage and **S. M. Jafari** (2024). "Enzyme inhibitory, antioxidant and anti-inflammatory activities of Anabasis articulata phenolic-rich extract; in vitro, in vivo, and in silico studies." *Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology* **158**(4): 836-851.
19. Gharehbeglou, P., K. Sarabandi, Z. Akbarbaglu and **S. M. Jafari** (2024). "Predictive modeling of oleuropein release from double nanoemulsions: An analytical study comparing intelligent models and Monte Carlo simulation." *Journal of Agriculture and Food Research* **17**: 101261.
20. Razghandi, E., A. H. Elhami Rad, **S. M. Jafari**, M. R. Saiedi Asl and H. Bakhshabadi (2024). "Application of Pulsed Electric Field-Ultrasound Technique for Antioxidant Extraction from Yarrow: ANFIS Modeling and Evaluation of Antioxidant Activity." *Journal of Food Processing and Preservation* **2024**(1): 2951718.
21. Naderi, M., A. M. Ziaifar, L. Rashidi and **S. M. Jafari** (2024). "Rapeseed oleogels based on monoacylglycerols and methylcellulose hybrid oleogelators: Physicochemical and rheological properties." *Food Chemistry*: X **23**: 101520.
22. Zarali, M., A. Sadeghi, M. Ebrahimi, **S. M. Jafari** and A. S. Mahoonak (2024). "Techno-nutritional capabilities of sprouted clover seeds sourdough as a potent bio-preservative against sorbate-resistant fungus in fortified clean-label wheat bread." *Journal of Food Measurement and Characterization* **18**(7): 5577-5589.
23. Ziae rizi, A., A. Sadeghi, **S. M. Jafari**, H. Feizi and H. Purabdolah (2024). "Controlled fermented sprouted mung bean containing ginger extract as a novel bakery bio-preservative for clean-label enriched wheat bread." *Journal of Agriculture and Food Research* **16**: 101218.
24. Dehnad, D., B. Emadzadeh, B. Ghorani, G. Rajabzadeh, M. Sarabi-Jamab and **S. M. Jafari** (2024). "Immobilization of iron-loaded niosomes within electrospun nanofibers of soy protein isolate: A novel dual encapsulation technique." *Food Hydrocolloids* **155**: 110165.
25. Hashemi, B., M. Varidi, N. Malekjani and **S. M. Jafari** (2024). "Whey protein-based bigels for co-encapsulation of curcumin and gallic acid: Characterization, stability and release kinetics." *Future Foods* **10**: 100495.
26. Akbarbaglu, Z., N. Mazloomi, K. Sarabandi, A. Ramezani, F. Khaleghi, A. R. Hamzehkollaei, **S. M. Jafari** and M. A. Hesarinejad (2024). "Stabilization of antioxidant thyme-leaves extract (*Thymus vulgaris*) within biopolymers and its application in functional bread formulation." *Future Foods* **9**: 100356.

27. Raftani Amiri, Z., S. Rezaei Erami, **S. M. Jafari** and S. Ahmadian (2024). "Physicochemical properties of yogurt enriched with nanoliposomes containing bitter melon extract." *LWT* **198**: 116091.
28. Fasamanesh, M., E. Assadpour, H. Rostamabadi, F. Zhang and **S. M. Jafari** (2024). "Encapsulation of iron within whey protein-pectin nanocomplexes: Fabrication, characterization, and optimization." *Food Chemistry* **451**: 139290.
29. Zhang, F., Y. Li, **S. M. Jafari**, Y. Liu, Y. Sang, S. Wang and X. Wang (2024). "Microfluidic-oriented green synthesis of pepsin-doped gold nanoparticles for colorimetric and photothermal dual-readout detection of food hazards." *Food Chemistry* **450**: 139311.
30. Belyagoubi-Benhammou, N., L. Belyagoubi, A. Benmehieddine, D. Ben Menni, A. El Zerey-Belaskri, G. Di Marco, A. Canini, E. Assadpour, A. Gismondi, K. Sarabandi and **S. M. Jafari** (2024). "Atlas pistachio (*Pistacia atlantica*) unripe fruit extract as a source of phytochemicals with anti-tyrosinase, antioxidant, and antibacterial properties." *Biocatalysis and Agricultural Biotechnology* **57**: 103143.
31. Bohlool, Z., S. R. Hashemi, A. Sadeghi, M. Heidari, J. Seifdavati and **S. M. Jafari** (2024). "Loading *Levi Lactobacillus brevis* into chitosan-coated alginate microcapsules and their effect on the testicular tissue redox system in roosters of hen's broiler breeders." *Carbohydrate Polymer Technologies and Applications* **7**: 100494.
32. Sarabandi, K., A. Dashipour, Z. Akbarbaglu, S. H. Peighambardoust, A. Ayaseh, H. S. Kafil, **S. M. Jafari** and A. Mousavi Khanegah (2024). "Incorporation of spray-dried encapsulated bioactive peptides from coconut (*Cocos nucifera L.*) meal by-product in bread formulation." *Food Science & Nutrition* **12**(7): 4723-4734.
33. Ghaderi, F., A. Shakerian, Z. Mashak, E. Rahimi and **S. M. Jafari** (2024). "Potential of gelatin/chitosan nanocomposite films loaded with *L. nobilis* nanoemulsions for preservation of refrigerated ostrich meat-based hamburgers." *Journal of Food Measurement and Characterization* **18**(5): 3474-3491.
34. Mohammadi, A., M. Ghorbani, A. Sadeghi Mahoonak and **S. M. Jafari** (2024). "Improving the oxidative stability of purslane seed oil via emulsions stabilized by whey protein isolate-inulin mixtures and conjugates." *Innovative Food Technologies* **11**(3): 226-248.
35. Raftani Amiri, Z., S. Rezaei Erami, **S. M. Jafari** and S. Ahmadian (2024). "Stability and release kinetics of nanoliposomes containing bitter melon fruit extract at different temperatures and pH values, and in simulated gastrointestinal conditions." *LWT* **212**: 116996.
36. Bazsefidpar, N., H. Ahmadi Gavighi, A. P. Ghandehari Yazdi and **S. M. Jafari** (2024). "Optimization of protein extraction from brewer's spent grain and production of bioactive peptides." *Biomass Conversion and Biorefinery* **14**(15): 17455-17465.
37. Gharehbeglou, P., A. Homayouni-Rad, **S. M. Jafari**, K. Sarabandi and Z. Akbarbaglu (2024). "Stabilization of Chlorella Bioactive Hydrolysates Within Biopolymeric Carriers: Techno-functional, Structural, and Biological Properties." *Journal of Polymers and the Environment* **32**(2): 763-779.
38. Mokhtari, Z. and **S. M. Jafari** (2024). "Exploring cationic amylose inclusion complexes as a pioneering carrier for aroma molecules; fabrication, and characterization." *Carbohydrate Polymer Technologies and Applications* **8**: 100615.
39. Mehrabi-Khozani, Z., **S. M. Jafari**, K. Sarabandi, A. Rezaei and Y. Maghsoudlou (2024). "Stabilization of caffeine-loaded nanoliposomes via chitosan coating and spray drying for application in food products." *Carbohydrate Polymer Technologies and Applications* **8**: 100617.
40. Zolqadri, R., Z. Akbarbaglu, K. Sarabandi, S. H. Peighambardoust, **S. M. Jafari** and A. Mousavi Khanegah (2024). "Techno-functional, antioxidant, and amino acid characterization of hydrolyzed bioactive peptides from coconut (*Cocos nucifera L.*) meal protein." *Food & Function* **15**(22): 11266-11279.
41. Parandi, E., M. Mousavi, E. Assadpour, H. Kiani and **S. M. Jafari** (2024). "Sesame protein hydrolysate-gum Arabic Maillard conjugates for loading natural anthocyanins: Characterization, in vitro gastrointestinal digestion and storage stability." *Food Hydrocolloids* **148**: 109490.
42. Mokhtari, Z., **S. M. Jafari**, A. M. Ziaifar and I. Cacciotti (2024). "Extraction, purification and characterization of amylose from sago and corn: Morphological, structural and molecular comparison." *International Journal of Biological Macromolecules* **255**: 128237.
43. Dorofte, A. L., C. Dima, I. Bleoanca, I. Aprodu, P. Alexe, M. S. Kharazmi, **S. M. Jafari**, S. Dima and D. Borda (2024). "Mechanism of β -cyclodextrin - thyme nanocomplex formation and release: In silico behavior, structural and functional properties." *Carbohydrate Polymer Technologies and Applications* **7**: 100422.
44. Sarabandi, K., Z. Karami, Z. Akbarbaglu, K. Duangmal and **S. M. Jafari** (2024). "Spray-drying stabilization of oleaster-seed bioactive peptides within biopolymers: Pan-bread formulation and bitterness-masking." *Food Bioscience* **58**: 103837.
45. Taheri-Yeganeh, A., H. Ahari, Z. Mashak and **S. M. Jafari** (2024). "Monitor the freshness of shrimp by smart halochromic films based on gelatin/pectin loaded with pistachio peel anthocyanin nanoemulsion." *Food Chemistry* **X 21**: 101217.
46. Karimkhani, M. M., A. Jamshidi, M. Nasrollahzadeh, M. Armin, **S. M. Jafari** and T. Zeinali (2024). "Fermentation of *Rubus dolichocarpus* juice using *Lactobacillus gasseri* and *Lacticaseibacillus casei* and protecting phenolic compounds by Stevia extract during cold storage." *Scientific Reports* **14**(1): 5711.
47. Yolmeh, M. and **S. M. Jafari** (2024). "Cracking spoilage in jar cream cheese: Introducing, modeling and preventing." *Helixon* **10**(3): e25259.
48. Hassanbeiki, M., L. Golestan, Z. Mashak, M. Ahmadi and **S. M. Jafari** (2024). "Production of a functional confectionary cream containing licorice root extract and double coated *Lactobacillus plantarum* by alginate and malva mucilage." *Carbohydrate Polymer Technologies and Applications* **7**: 100435.
49. Wu, S., G. Li, H. Qu, W. Xu, Y. Xu, E. G. Kovaleva, **S. M. Jafari**, D. A. Barakat, J. Ma, J. Cheng and H. Li (2023). "Ecofriendly Nanoemulsion to Promote the Wetting and Spreading of Droplet on Soybean Leaves for Regulating the Sheath Blight." *ACS Agricultural Science & Technology* **3**(11): 1025-1033.
50. Zarali, M., A. Sadeghi, **S. M. Jafari**, M. Ebrahimi and A. Sadeghi Mahoonak (2023). "Enhanced viability and improved in situ antibacterial activity of the probiotic LAB microencapsulated layer-by-layer in alginate beads coated with nisin." *Food Bioscience* **53**: 102593.
51. Yousefi, M., **S. M. Jafari**, H. Ahangari and A. Ehsani (2023). "Application of Nanoliposomes Containing Nisin and Crocin in Milk." *Adv Pharm Bull* **13**(1): 134-142.
52. Yahyavi, M., L. Kamali Rousta, A. P. Ghandehari Yazdi, M. Amini, Z. Ahmadi and **S. M. Jafari** (2023). "Effect of precooking process and drying methods on the physicochemical, microstructure, and sensory properties of spinach-enriched lasagna pasta." *Drying Technology* **41**(5): 783-793.
53. Tavasoli, S., Y. Maghsoudlou, H. Shahiri Tabarestani and **S. M. Jafari** (2023). "Changes in emulsifying properties of caseinate-Soy soluble polysaccharides conjugates by ultrasonication." *Ultrasonics Sonochemistry* **101**: 106703.
54. Taheri, A., M. Kashaninejad, A. M. Tamaddon, J. Du and **S. M. Jafari** (2023). "Rheological Characteristics of Soluble Cress Seed Mucilage and β -Lactoglobulin Complexes with Salts Addition: Rheological Evidence of Structural Rearrangement." *Gels* **9**(6): 485.
55. Taghizadeh, M., **S. M. Jafari**, K. K. Darani, M. A. sani, S. S. Aliabadi, N. K. Khosroshahi and H. Hosseini (2023). "Biopolymeric Nanoparticles, Pickering Nanoemulsions and Nanophytosomes for Loading of Zataria multiflora Essential Oil as a Biopreservative." *applied food biotechnology* **10**(2): 113-127.
56. Sarabandi, K., R. Zolqadri, Z. Akbarbaglu, P. Gharehbeglou, S. H. Peighambardoust and **S. M. Jafari** (2023). "Nutritional, functional, biological and antibacterial properties of wild pistachio (*P. khinjuk*) nuts peptides." *Journal of Food Measurement and Characterization* **17**(5): 4482-4494.

57. Rouhi, E., A. Sadeghi, **S. M. Jafari**, M. Abdolhoseini and E. Assadpour (2023). "Effect of the controlled fermented quinoa containing protective starter culture on technological characteristics of wheat bread supplemented with red lentil." *Journal of Food Science and Technology* **60**(8): 2193-2203.
58. Namdar, N. Z., L. Roufegarinejad, A. Alizadeh, N. Asefi, **S. M. Jafari** and K. Sarabandi (2023). "Protection of navy-bean bioactive peptides within nanoliposomes: morphological, structural and biological changes." *Bioresources and Bioprocessing* **10**(1): 87.
59. Mirbagheri, M. S., S. Akhavan-Mahdavi, A. Hasan, M. S. Kharazmi and **S. M. Jafari** (2023). "Propolis-loaded nanofiber scaffolds based on polyvinyl alcohol and polycaprolactone." *International Journal of Pharmaceutics* **642**: 123186.
60. Sarabandi, K., M. Mohammadi, Z. Akbarbaglu, M. Ghorbani, S. Najafi, S. Safaeian Laein and **S. M. Jafari** (2023). "Technological, nutritional, and biological properties of apricot kernel protein hydrolyzates affected by various commercial proteases." *Food Science & Nutrition* **11**(9): 5078-5090.
61. Narmani, A., S. Ganji, M. Amirshoar, R. Jahedi, M. S. Kharazmi and **S. M. Jafari** (2023). "Smart chitosan-PLGA nanocarriers functionalized with surface folic acid ligands against lung cancer cells." *International Journal of Biological Macromolecules* **245**: 125554.
62. Kalajahi, S. G., N. Malekjani, K. Samborska, Z. Akbarbaglu, P. Gharehbeglou, K. Sarabandi and **S. M. Jafari** (2023). "Encapsulated powders of Alcea flower polyphenol-rich extract by different hydrocolloid carriers: characterisation, antioxidant activity and chemical structures." *International Journal of Food Science & Technology* **58**(8): 4246-4255.
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