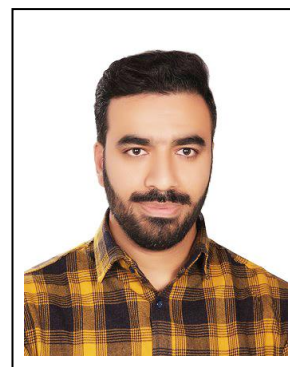




CURRICULUM VITAE



• **Personal Background:**

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• **Current Position:**

Assistant Professor of Medical Biotechnology

• **Education:**

- Ph.D., in Medical Biotechnology, (2016-2022), School of Advanced Medical Sciences and Technologies, Hamadan University of Medical Sciences, Hamadan, Iran
- M.Sc, in Agricultural Biotechnology, (2010-2013), Faculty of Agricultural Sciences, University of Guilan, Rasht, Iran
- B.Sc, in Plant pathology, (2005-2009), Agriculture Faculty, Shahid Bahonar University of Kerman, Kerman, Iran

• **Thesis:**

- Ph.D. thesis: Design and expression of a recombinant protein nanocage for drug delivery to breast cancer cells in an in vitro and in vivo study
- M.Sc. thesis: Investigating the role of hml-4 gene in defense reactions of *Arabidopsis Thaliana*

Activity & Teaching:

- Cellular and Molecular Biology, Islamic Azad University, Hamadan branch, 2023.
- Cellular and Molecular Biology, Hamadan University of Medical Sciences, 2019.

- **Publication:**

- **A. Papers**

1. Javad Kheshti, **Mohammad Ahmadyousefi***, Meysam Soleimani*. Novel engineered HER2-specific recombinant protein nanocages for targeted drug delivery. *Molecular Biology Reports*. 2024.
2. Sima Kazemi, Rasoul Mirzaei, Sajad Karampour, Seyed Reza Hosseini-fard, **Yaghoub Ahmadyousefi**, Ali Reza Soltanian, Fariba Keramat, Massoud Saidijam, Mohammad Yousef Alikhani. Circular RNAs in tuberculosis: From mechanism of action to potential diagnostic biomarkers. *Microbial Pathogenesis*. 2024.
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8. Zahra Abpeikar, Ali Akbar Alizadeh, **Yaghoub Ahmadyousefi**, Ali Akbar Najafi, Mohsen Safaei. Engineered cells along with smart scaffolds: critical factors for improving tissue engineering approaches. *Regenerative Medicine*. 2022 Sep 06.
9. Naresh Poondla, Mohsen Sheykhasan, **Yaghoub Ahmadyousefi**, Mohammad Akbari, Reihaneh Seyedebrahimi, Mohsen Eslami Farsani, Naser Kalhor. Dendritic Cells-Winning the Fight Against HIV. *Current Stem Cell Research & Therapy*. 2022 Apr 01.
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11. Maryam Shafaati, Massoud Saidijam, Meysam Soleimani, Fereshte Hazrati, Rasoul Mirzaei*, Bagher Amirheidari, Hamid Tanzadehpanah, Sajad Karampour, Sima Kazemi, Bahram Yavari, Hanie Mahaki, Mohsen Safaei, Fatemeh Rahbarizadeh, Pouria Samadi, **Yaghoub Ahmadyousefi***. A brief review on DNA vaccines in the era of COVID-19. *Future Virology*. 2022 Jan.

12. Mohsen Sheykhasan, **Yaghoub Ahmadyousefi**, Reihaneh Seyedebrahimi, Hamid Tanzadehpanah, Hamed Manoochehri, Paola Dama, Nashmin Fayazi Hosseini, Mohammad Akbari, Mohsen Eslami Farsani. DLX6-AS1: a putative lncRNA candidate in multiple human cancers. Expert Reviews in Molecular Medicine. 2021 Nov 26.
13. Fereshte Hazrati, Massoud Saidijam, **Yaghoub Ahmadyousefi**, Fatemeh Nouri, Hamidreza Ghadimipour, Mohammadreza Moradi, Rasool Haddadi, Meysam Soleimani. A novel chimeric protein with enhanced cytotoxic effects on breast cancer *in vitro* and *in vivo*. Proteins Structure Function and Bioinformatics. 2021 Nov 23.
14. Hanie Mahaki, Mohammad Hadi Saeed Modaghegh, Zeynab Nasr Isfahani, Rahele Amir Daddost, Pejman Molaei, **Yaghoub Ahmadyousefi**, Masoomah Vahidzadeh, Elham Lotfiane, Hamid Tanzadehpanah. The Role of Peptide-Based Tumor Vaccines on Cytokines of Adaptive Immunity: A Review. International Journal of Peptide Research and Therapeutics. 2021 Aug 12.
15. Rasoul Mirzaei, Behnaz Bouzari, Seyed Reza Hosseini-Fard, Maryam Mazaheri, **Yaghoub Ahmadyousefi**, Milad Abdi, Saba Jalalifar, Zahra Karimitabar, Ali Teimoori, Hossein Keyvani, Farhad Zamani, Rasoul Yousefimashouf, Sajad Karampoor. Role of microbiota-derived short-chain fatty acids in nervous system disorders. Biomedicine & Pharmacotherapy. 2021 May 08.
16. Rasoul Mirzaei, Sajad Babakhani, Parisa Ajourloo, Razieh Heidari Ahmadi, Seyed Reza Hosseini-Fard, Hossein Keyvani, **Yaghoub Ahmadyousefi**, Ali Teimoori, Farhad Zamani, Sajad Karampoor, Rasoul Yousefimashouf. The emerging role of exosomal miRNAs as a diagnostic and therapeutic biomarker in Mycobacterium tuberculosis infection. Molecular Medicine. 2021 Apr 01.
17. Rasoul Mirzaei, Rokhsareh Mohammadzadeh, Hamed Mirzaei, Mohammad Sholeh, Sajad Karampoor, Milad Abdi, Mohammad Yousef Alikhani, Sima Kazemi, **Yaghoub Ahmadyousefi**, Saba Jalalifar, Rasoul Yousefimashouf. Role of microRNAs in Staphylococcus aureus infection: Potential biomarkers and mechanism. IUBMB Life. 2020 June 09.
18. Rasoul Mirzaei, Hamed Mirzaei, Mohammad Yousef Alikhani, Mohammad Sholeh, Mohammad Reza Arabestani, Massoud Saidijam, Sajad Karampoor, **Yaghoub Ahmadyousefi**, Mohammad Shokri Moghadam, Gholam Reza Irajian, Hamze Hasanvand, Rasoul Yousefimashouf. Bacterial biofilm in colorectal cancer: What is the real mechanism of action? Microbial Pathogenesis. 2020 May 01.
19. **Yaghoub Ahmadyousefi**, Sara Malih, Younes Mirzaee, Massoud Saidijam. Nucleic acid aptamers in diagnosis of colorectal cancer. Biochimie. 2019 Jan 11.

- **Presentation:**

- Yaghoub Ahmadyousefi*. A brief overview of early human immunodeficiency virus (HIV) diagnosis: a biotechnology perspective. The First International Conference of Iranian Basic Science Students. December 2022. Tehran, Iran.
- Yaghoub Ahmadyousefi*. Advances in cancer diagnosis technologies. The First International Conference of Iranian Basic Science Students. December 2022. Tehran, Iran.
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- Yaghoub Ahmadyousefi*, Plant-derived chemotherapeutic drugs for cancer therapy. The first national conference of chemistry and medicinal plants. December 2022. University of Sistan and Baluchestan, Zahedan, Iran.
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- Yaghoub Ahmadyousefi*, Formulations of oral herbal medicines in Iran. The first national conference of chemistry and medicinal plants. December 2022. University of Sistan and Baluchestan, Zahedan, Iran.
- Yaghoub Ahmadyousefi*, Formulations of topical herbal medicines in Iran. The first national conference of chemistry and medicinal plants. December 2022. University of Sistan and Baluchestan, Zahedan, Iran.
- Yaghoub Ahmadyousefi*, Mohammad Mehdi Sohani, and Seyed Akbar Khodaparast. An automated image analysis system to measure and count microscopic fungal spores. The first national conference on agriculture and sustainable natural resources. January 2014. MehrArvand international Institute, Tehran, Iran.