



Curriculum Vitae

Naghmeh Satarzadeh

Ph.D.

Personal Information

Surname: **Satarzadeh**

Forename: **Naghmeh**

Gender: Female

Marital Status: Married

Nationality: Iranian

Date and Place of Birth: 27 - 02 – 1987, kerman, Iran.

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Work Address:

Department of Medical Biotechnology, Faculty of Allied Medicine, Kerman University of Medical Sciences, Kerman, Iran

Education:

Ph.D. (2017- to 2024)

Department of Pharmaceutical Biotechnology, Faculty of Pharmacy, kerman University of Medical Sciences, kerman, Iran.

M.SC. (2011-2013)

Department of Microbial biotechnology, Payam Noor University, Tehran, Iran.

B.Sc. (2005-2009)

Department of microbiology, Faculty of Sciences, Islamic Azad university: kerman, Iran.

Diploma (1991-1995); (in Experimental Science)

Parvin E'tesami High School, Kerman, Iran.

Honoraria:

2018: Accepted idea as a poster at the First Pharmaceutical Technology Commercialization Festival in Dubai.

2020: First rank in the Idea Talk (II) Speech Competition.

2021: First rank in the call for research ideas in the field of extremophiles.

2022: 16S rRNA sequence of the new bacterial strain *Bacillus tequilensis* ASFS1 registered in the GenBank database.

2023: 16S rRNA sequence of the new bacterial strain *Brevundimonas vesicularis* strain sataricum registered in the global GenBank database.

2023: Top GPA among PhD entrants in Pharmaceutical Biotechnology (Outstanding Talent).

2023: Idea accepted in the health technology Incubator Center.

2023: First Researcher of the National Student Research Committee.

2024: First student Researcher of the faculty of Pharmacy.

Teaching:

Genetics laboratory 2 for B.Sc. students (2014-2015)

Basics of biocompatibility and biological tests and workshop for B.Sc. students (2020-2021)

Molecular biology and genetics for Pharmacy (Pharm D) students (2018– 2021)

Biotechnology for Pharmacy (Pharm D) students (2021– 2023)

Academic skills:

- DNA extraction
- PCR
- Multiplex PCR
- PCR-RFLP
- SDS page
- Electrophoresis
- Antibacterial microbial tests
- Proliferation and determination of bacteriophage
- Phage DNA extraction for sequencing

- Antioxidant activity of the material
- Magnetotactic bacteria
- HPLC
- TLC
- Cell culture
- Cytotoxicity test by MTT method
- Synthesis of nanoparticles:
 - Using bacteria
 - Using herbal extract
- Spss software
- Endnote software
- Gene analysis and primer design software (Gene Runner)
- DNA sequence analysis software (Chromas)
- DNA sequence analysis software (Codon Code)
- DNA sequence analysis software (CLC Genomics)
- FTIR analysis software (IRPal)
- ChemDraw software (for designing the figures of the article)

Participate as Reviewer in the following journals:

Avicenna Journal of Phytomedicine

Journal of Pharmacopuncture

Biotechnology and Bioengineering

Virology Journal

Journal of Inorganic and Organometallic Polymers and Materials

Asian Journal of Research in Infectious Diseases

South African Journal of Botany

Articles:

1. **Naghmeh Satarzadeh**, Mojtaba Shakibaie, Hamid Forootanfar, Bagher Amirheidari. Purification, Characterization, and Assessment of Anticancer Activity of Iron Oxide Nanoparticles Biosynthesized by Novel Thermophilic *Bacillus tequilensis* ASFS1, Journal of Basic Microbiology, 2024

2. Seyed Soheil Hosseininasab, Mahin Naderifar, Majid Reza Akbarizadeh, Mohammadjavad Rahimzadeh, Simin Soltaninejad, Zohre Makarem, **Naghmeh Satarzadeh**, Amin Sadeghi Dousari. The use of phages for the biosynthesis of metal nanoparticles and their biological applications: A review, *Journal of Cellular and Molecular Medicine*, 2024
3. **Naghmeh Satarzadeh**, Ali Asadipour and Bagher Amirheidari. [Cu(dimethylbpy)₂Cl]PF₆ complex as an antibacterial agent, *Anti-Infective Agents*, 2024
4. Seyed Soheil Hosseininasab, Mahin Naderifar, Majid Reza Akbarizadeh, Nooshin Hashemi, Mehdi Ghaderi, Hamid Pajavand, **Naghmeh Satarzadeh**, Amin Sadeghi Dousari. Synthesized arsenic nanoparticles and their high potential in biomedical applications: A review, 2024
5. Majid Taati Moghadam, Ali Mojtahedi, Shakiba Salmay, Raziieh Shahbazi, **Naghmeh Satarzadeh**, Majid Delavar, Mohammad Taghi Ashoobi. Phage therapy as a glimmer of hope in the fight against the recurrence or emergence of surgical site bacterial infections, 2024
6. Maryam sanei, Bagher Amirheidari, **Naghmeh Satarzadeh***. Mutuality of epigenetic and nanoparticles: two sides of a coin, 2024
7. Amin Sadeghi Dousari, Seyed Soheil Hosseininasab, Majid Reza Akbarizadeh, Mahin Naderifar, Amin Mahdavi and **Naghmeh Satarzadeh***. A review on immunoglobulin Y (IgY) conjugated with metal nanoparticles and biomedical uses, 2023
8. Amin Sadeghi Dousari, Seyed Soheil Hosseininasab, Majid Reza Akbarizadeh, Mahin Naderifar, **Naghmeh Satarzadeh***. *Mentha pulegium* as a source of green synthesis of nanoparticles with antibacterial, antifungal, anticancer, and antioxidant applications, 2023
9. Amin Sadeghi Dousari, Seyed Soheil Hosseininasab, Fatemeh Sadeghi Dousari, Masoumeh Fuladvandi, and **Naghmeh Satarzadeh***. The impact of COVID-19 on liver injury in various age, 2023
10. **Naghmeh Satarzadeh**, Amin Sadeghi Dousari, Bagher Amirheidari, Mojtaba Shakibaie, Amin Ramezani Sarbandi and Hamid Forootanfar. An insight into biofabrication of selenium nanostructures and their biomedical application, *3 Biotech*, 2023
11. Amin Sadeghi Dousari, Marzieh Karimian Amroabadi, Zahra Soofi Neyestani, Majid Taati Moghadam, **Naghmeh Satarzadeh***. The use of Ephedra herbs in the treatment of COVID-19, *Avicenna Journal of Phytomedicine*, 2023
12. Amin Sadeghi Dousari, Seyed Soheil Hosseininasab, Hossein Hosseini Nave, **Naghmeh Satarzadeh***. Do patients with the Omicron Variant of SARS-CoV-2 need prophylaxis for bacterial infections? *Disease and Diagnosis*, 2023
13. **Naghmeh Satarzadeh**, Mojtaba Shakibaie, Mahboubeh Adeli-Sardou, Fereshteh Jabari-Morouei, Hamid Forootanfar and Amin Sadeghi-Dousari. Facile microwave-assisted biosynthesis of arsenic nanoparticles and evaluation their antioxidant properties and cytotoxic effects: a preliminary in vitro study, *Journal of Cluster Science*, 2022
14. Amin Sadeghi Dousari, **Naghmeh Satarzadeh**, Bagher Amirheidari, Hamid Forootanfar. Medicinal and Therapeutic Properties of Ephedra, *Brazilian Journal of Pharmacognosy*, 2022

15. Hamidreza Poureslami, Maryam Sharifi, Mahla Vahedi, Salehe Sabouri, Parnian Poureslami, **Naghmeh Satarzadeh**, Nima Hatami, Parisa Jafari. Evaluation of Relationship between Sever Early Childhood Caries and Breast Milks Lactose among 12- to 24-month-old Children, *Journal of Dentistry*, 2022
16. Bagher Amirheidari, **Naghmeh Satarzadeh**, Elahe Rahimi-Sabagh-Kamalabadi, Maryam Kianpour, Sahar Amirpour-Rostami, Salehe Sabouri. Two broad host range coliphages effective against *Escherichia coli* O157:H7 and *Shigella flexneri*, *Journal of microbiology, biotechnology and food sciences*, 2022
17. Amin Sadeghi Dousari, **Naghmeh Satarzadeh**, Ali Behzadi, Roohollah Mirzaee Khalilabadi. Donors with Positive Hepatitis B and C Infections and Their Demographic Characteristics, a Study in Jirof Blood Donation Center From 2011 to 2016, *International Journal of Basic Science in Medicine*, 2022.
18. Amin Sadeghi Dousari, **Naghmeh Satarzadeh***. The Spread of Carbapenemase Genes in Klebsiellapneumoniae in Iran: a Systematic Review, *International Journal of Basic Science in Medicine*, 2021.
19. Sahar Amirpour-Rostami, Mahtab Moeinzadeh, Sona Sadoughizad-Asl-Ajabshir, **Naghmeh Satarzadeh** and Salehe Sabouri. Isolating anti Pseudomonas aeruginosa phages from wastewater and sewage samples: characterization of vB_PaeM_kmuV and vB_PaeM_kmuB, *Research Journal of Biotechnology*, 2020.
20. Amin Sadeghi Dousari, Majid Taati Moghadam, and **Naghmeh Satarzadeh***. COVID-19 (Coronavirus disease 2019): a new coronavirus disease, *Infection and drug resistance*, 2020
21. Mohammad Javad Soltani Banavandi, and **Naghmeh Satarzadeh**. Association between VKORC1 gene polymorphism and warfarin dose requirement and frequency of VKORC1 gene polymorphism in patients from Kerman province, *The Pharmacogenomics Journal*, 2020
22. Amin Sadeghi Dosari, Amin Norouzi, Majid Taati Moghadam, and **Naghmeh Satarzadeh**. Antimicrobial activity of Ephedra pachyclada methanol extract on some enteric gram-negative bacteria which causes nosocomial infections by agar dilution method, 2016