

## **Personal Information:**

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### **Position:**

-Head of Antimicrobial Resistance Research Center ,Institute of Immunology and Infectious Diseases,Rasoul-e-Akram Hospital, Iran University of Medical Sciences,Tehran, Iran.

- Head of Institute of Immunology and Infectious Diseases,Rasoul-e-Akram Hospital, Iran University of Medical Sciences,Tehran, Iran

-Associate professor of Antimicrobial Resistance Research Center, Institute of Immunology and Infectious Diseases, Iran University of Medical Sciences, Tehran, Iran.

-Scientific Committee on knowledge translation and exchange in Iran University of medical sciences

## **Education:**

**-B.Sc in Microbiology, Tehran, Iran, 2000 – 2004.**

**-M.Sc in Microbiology Tehran, Iran, 2004 – 2006. (Second rank in entrance exam)**

**-PhD in Microbiology, Isfahan, Iran, 2007-2012. (Was chosen as superior student)**

**-M.Sc in Business Administration, Tehran, Iran 2017-2018**

**- Master of Public Health (M.P.H.), Tehran, Iran 2019- 2022**

## **Awards:**

**-Top researcher of the year 2011**

**-Top researcher of the year 2016 in rasoul akram Hospital Iran University of Medical Science**

## **Publication:**

### **Conferences:**

1. S. Minaeian, A.Shahverdi, H.Shahverdi, A.Nohi ,“Rapid extracellular biosynthesis of silver nanoparticles using Klebsiella pneumoniae”, presented in 56th Annual Conference Canadian Society of Microbiologists, held in London, Ontario, Canada, 18-21 June, 2006.
2. S. Minaeian, A.Shahverdi, H.Shahverdi, A.Nohi, “Biosynthesis of nanoparticles by Enterobacteriaceae”, presented in the 8th National Congress of Microbiology, Tehran, Iran, 23-25 May, 2006. (Received the best poster award and also honored by the Iranian Society of Microbiology)
3. S.Minaeian, I.Aipour, S.S.Kiaee, “Prevalence and molecular epidemiology of antimicrobial resistance in the strains of Streptococcus pneumonia isolated from patient in Shahid Bahonar Hospital”, presented in the 9th National Congress of Microbiology, Kerman, Iran, 4-6 March, 2008.
4. S.Minaeian, I.Alipour, S.Sadat Kiaee, “Study of molecular epidemiology of antimicrobial resistance by PCR method in the strains of Streptococcus pneumonia isolated from patient in ICU ward”, presented in Conference Genomes 2008, Paris, France.
5. S.Minaeian, A.Rastegar Lari, Y.Rezazadeh, I.Bazargan, H.Mostafavi, Z.Bameri “Antibacterial Characteristics of textile with nanosilver coating”, presented in the Nanotech Northern Europe 2008, Copenhagen, Denmark.
6. S.Minaeian, F.Rahbarizadeh, S.H.Zarkesh Isfahani, F.Rahimi, Z.Sharifzadeh, "Isolation of anti-HPV nanobodies from one-humped camel nanobody gene library by phage display technology", presented in 11th Iranian Genetics Congress, Tehran ,Iran (22-24 May, 2010).
7. S.Minaeian,"Nanobodies as targeted tools against cancer", presented in 11th Iranian Genetics Congress, Tehran, Iran (22-24May, 2010).

8. S.Minaeian, F.Rahbarizadeh, S.H.Zarkesh isfahani, " Relationship between Human Papiloma Virus and Breast cancer and its epidemiology in the world", presented in 3th Tehran international breast cancer Congress, Tehran, Iran (30 Jun- 1July, 2010).
9. S.Minaeian, F.rahbarizadeh, S.H.Zarkesh Isfahani," Nanobodies, the magic bullets against many diseases", 12th Iranian Pharmaceutical Science congress, Zanjan, Iran (2- 5 August 2010)
10. S.Minaeian, F.rahbarizadeh, S.H.Zarkesh Isfahani," Production of anti-HPV nanobodies by phage display technology for targeted cancer therapy", 12th Iranian Pharmaceutical Science congress, Zanjan, Iran (2-5 August 2010). **(Oral)**
11. S.Minaeian, F.rahbarizadeh, S.H.Zarkesh Isfahani," Production and isolation of soluble nanobodies against HPV", 16th national and 4th international conferences of biology, Mashhad, Iran (14-16september 2010).
- 12.S.Minaeian, F.Rahbarizadeh, S.H.Zarkesh Isfahani, "selection and characterization of targeted nanobodies against HPV", International congress on nanoscience and nanotechnology, Shiraz, Iran (9-11 November 2010).
- 13.S.Minaeian, S.H.Zarkesh Isfahani, F.Rahbarizade, F.safarian " Lactobodies, targeted tools against Rotaviruse 4th Iranian Congress of clinical microbiology, Isfahan, Iran (9-11 November 2010).
- 14.S.Minaeian, J.Malakoutikhah " Nanoethic" 2th International Congress of bioethics, Tehran, Iran (5-7 February 2011).
15. S.M.J.Mirazimi, Z.Abbaspour, F.Rashchi, S.Minaeian, Vanadium recovery from LD converter slag by means of microbial leaching, Second national Conference of Applied Microbiology, (23-24 Februrary 2011).
- 16.S.Minaeian, S.H.Zarkesh Isfahani, F.Rahbarizade, " Affinity study of anti- HPV nanobody, The main cause of cervical cancer" 1th Nanodurg Congress of Ahvaz, Iran. (26-27 February 2011).
- 17.S.Minaeian, F.Rahbarizade, S.H.Zarkesh Isfahani, " Using anti HPV nanobodies conjugated to HRP for diagnosis of cervical cancer ", 12th Iranian Congress of Biochemistry and 4th International Congress of Biochemistry & Molecular Biology, Mashhad, Iran (6-4 Sep 2011).
18. M.Jamshidi, S. Minaeian, S. Javadpour, A. Karmostaji, T. Eqbal Eftekhaari, "The epidemiological survey of HPV infection in married women referring to Firoozgar Hospital" , 17 International Congress on Infectious Diseases, Hyderabad, India. (2-5 March, 2016).
19. S.Arshi, S.Minaeian, M. Nabavi, B.ghalehbaghi, A.Majidpour, GH. Sedighi, F.Seif, N. Najafzadeh, Microbial evaluation of Sinus in chronic rhinosinusitis patients suffering from primary immunodeficiency. 8th International Conference of Immunodeficiency diseases, Tehran. Iran. (23-24 April, 2016).

20. A.Majidpour, A.R Ahmadi, S.Minaeian, Y.Hendi .Evaluation of scrophularia deserti ethanolic extraction on multi drug resistance gram positive and gram negative bacteria. 10th International congress of clinical microbiology. Sanandaj. Iran (27-29 septembr, 2016). (oral)
21. A.Majidpour, A.Afkham, M.Noori1, S.Minaeian.Frequency of hepatitis C virus genotypes in Azarbaijani patients. 10th International congress of clinical microbiology. Sanandaj. Iran (27-29 septembr, 2016).
22. I. Kohsari, Z.Shariatiniaa, A.Barzegari, S.Minaeian, S.M. Pourmortazavi, H.ghasemi. In vitro antibacterial assay of colloidal silver nanoparticles produced by aqueous extract of *Falcaria vulgaris*. 10th International congress of clinical microbiology. Sanandaj. Iran (27-29 septembr, 2016).
- 23.S. Zeinali Aghdam, S. Minaeian, S.A. Tabatabaee. Study of antibacterial effectiveness of *Allium Hirtifolium* extract on multidrug resistant *Acinetobacter* strains. 18<sup>th</sup> International and iranian congress of microbiology. Tehran. Iran (29-31 August 2017).
24. M.Kohandel, S. Minaeian, P. Nouri, A. Akbari, M. Larypoor. Antibacterial activity of probiotic lactobacillus casei supernatant against MDR clinical *Acinetobacter* strains Isolated from ventilator. 18th International and iranian congress of microbiology. Tehran. Iran (29-31 August 2017).
25. M Dadgar, AS Tabatabaee, S Minaeian. Investigating the antibacterial effect of *Allium Hertifolium* (shallot) extract on multi drug resistan *klebsiella* strains isolated from patients in ICU of Hazrat Rasoul Akram hospital in Tehran during 2016-2017. 18th International and iranian congress of microbiology. Tehran. Iran (29-31 August 2017).
26. M Dadgar, AS Tabatabaee, S Minaeian. Study of antibacterial effect of *Urtica* extract on multi drug resistant *Klebsiella* strains. 18th International and iranian congress of microbiology. Tehran. Iran (29-31 August 2017).
27. P Nouri, S Minaeian, M Kohandel, A Akbari, M Larypoor. Evaluation of antibacterial activity of lactobacillus Reuteri supernatant against multidrug resistant *Klebsiella* strains. 18th International and iranian congress of microbiology. Tehran. Iran (29-31 August 2017).
28. S Zeinali Aghdam, S Minaeian, AS Tabatabaee. Investigating the antibacterial effect of *Urtica Dioica* (Nettle)extract on multi drug resistant *acinetobacter* strains isolated from patients in ICU of Hazrat rasoul akram Hospital in Tehran during 2016-2017. 18th International and iranian congress of microbiology. Tehran. Iran (29-31 August 2017).
29. M Aryannejad, S Minaeian, AR Ahmadi. Frequency of bacterial isolated from patients with chronic sinusitis in Tehran city. 18th International and iranian congress of microbiology. Tehran. Iran (29-31 August2017).

30. I Kohsari, S. Minaeean, M. Mohammad-Zadeh 3, M. rezaee. Fabrication of electrospun chitosan based nanofiber incorporating Cuminum cyminum essential oil for wound dressing International Conference on nanofibers. Tehran. Iran. (21- 22 October 2017).
31. M Noori, S Minaeian, A majidpour, MR Bojary Nasrabadi. Evaluation of antimicrobial susceptibility testing for alveolar lavage mini bronchiol microorganism in Rasoul akram hospital. 11th International congress of clinical microbiology. Tehran. Iran (21-23 November 2017).
32. M Aryannejad, S Minaeian, AR Ahmadi, GR Sedighi, A Majidpour. Antimicrobial resistance and prevalence of resistance blaTEM genes in bacterial agents isolated from patients with chronic sinusitis. 11th International congress of clinical microbiology. Tehran. Iran (21-23 November 2017).
33. P Nouri, S Minaeian, M Kohandel, I Kohsari, H. Zandavar. A Akbari. Study of antibacterial activity of copper oxide nanoparticles against multidrug resistant *klebsiella* strains. 11th International congress of clinical microbiology. Tehran. Iran (21-23 November 2017).
34. M Aryannejad, S Minaeian, A R Ahmadi, GR Sedighi, A Majidpour. Antimicrobial resistance and prevalence of resistance cfiA genes in bacterial agents isolated from patients with chronic sinusitis. 11th International congress of clinical microbiology. Tehran. Iran (21-23 November 2017).
35. M Dadgar, S Minaeian, M Talebi Taher, L Bahadorizadeh, S Zeinali aghdam, Y Hendi. The prevalence of klebsiella strains isolated from patients in intensive care units (ICUs) of Rasoul akram hospital in Tehran during 2016-2017. Tehran. Iran (21-23 November 2017).
36. M Kohandel, S Minaeian, P Noori, I Kohsari, H Zandavar, A Akbari. Evaluation of antibacterial activity of zno nanoparticles against MDR Acinetobacter isolated from ICU wards. 11th International congress of clinical microbiology. Tehran. Iran (21-23 November 2017).
37. S Zinali Aghdam, S Minaeian, M Talebi Taher, L Bahadorizadeh, M Dadgar, Y Hendi. The frequency of acinetobacter strains in intensive care units of general hospital in Tehran, 11th International congress of clinical microbiology. Tehran. Iran (21-23 November 2017).
38. M. Dadgar, S Minaeian. Investigation of antibacterial property of silver nanoparticles on multi drug resistant Klebsiella strains isolated from hospitalized patients ventilator. Second nanomedicine and nanosafety conference. Tehran. Iran (29- 30 November 2017).
39. S. Zeinali Aghdam, Sara Minaeian, Azadeh tabatabae. Study of antibacterial activity of silver nanoparticles against isolatd MDR *acinetobacter* strains in patients admitted to ICU. Second nanomedicine and nanosafety conference. Tehran. Iran (29- 30 November 2017).

40. S Minaeian. Antimicrobial resistance in intensive care unit. 19th Annual Congress and the 2th International Congress of Pathology and Laboratory Medicine. Tehran. Iran (27-29 December 2017) **Oral**
41. S Minaeian. Bacterial infections in the intensive care unit. 19th Annual Congress and the 2th International Congress of Pathology and Laboratory Medicine. Tehran. Iran (27-29 December 2017) **Oral**
42. Mahsa Dadgar, Sara Minaeian. Investigation of antibacterial property of silver nanoparticles on Multi Drug Resistant (MDR) klebsiella strains isolated from hospitalized patients' ventilator. 2nd nanomedicine & nanosaftey conference (29-30 NOV 2017).
43. Shamlou. F, Minaeian.S, l.bahadorizadeh. L, taheri.R, khazaei, amiri Study of the prevalence of Acinetobacter baumannii in intensive care units (ICUs) of Firoozabadi Hospital, The 21st International Virtual Congress of Microbiology, Iran (17-20 AUG).
44. Taheri Tinjani.R, Minaeian.S, Bahadorizadeh.L, Khazaie.F, Shamlou Mahmoudi.F, Amiri.Z. The prevalence of Klebsiella pneumoniae isolated from patients in intensive care units (ICUs) of Firoozabadi hospital in Tehran during 2019-2020. The 21st International Virtual Congress of Microbiology, Iran (17-20 AUG).
45. Shahrabi.F , Minaeian. S, Hakimi.M , Amiri.Z , Rezai.M , Abbasi, S. Evaluation of frequency of Enterococcus faecalis in urinary tract infections in old patients living in nursing homes referred to hospital. The 21st International Virtual Congress of Microbiology, Iran (17-20 AUG).
46. Amiri.Z , Minaeian. S, Hakimi.M, Shahrabi.F, Rezai.M , Abbasi, S, valuation of frequency of Staphylococcus aureus in urinary tract infections in patients living in nursing homes referred to hospital. The 21st International Virtual Congress of Microbiology, Iran (17-20 AUG).
- 47.yazdanian.M, minaeian .S, rahmanifar.S, Khalil.mostafavi.M, Amiri.Z. Study of prevalence of oprA in Enterococcus isolates collected from hospital infection. 13th International Congress of Medical Laboratory and Clinic, Iran(5-9 FEB).
- 48.mozooni.Z, Bahadorizadeh.L, Minaeian.S, Rahmanifar. S, Mehtari. F. The study of prevalence of bacterial infection in patients with Covid-19 disease admitted to intensive care units. 13th International Congress of Medical Laboratory and Clinic, Iran(5-9 FEB).
49. reyhaneh Taheri Tinjani, Sara Minaeian, Fatemeh Shamlou mahmoudi, Soheil Rahmani fard, Seyed Khalil shokouhi Mostafavi, Zahra Amiri, Prevalance of blaCTX-M gene in Klebsiella Pneumonia isolates from the sputum of intensive care units, 13 International Congress of Medical Laboratory and Clinic, Iran (5-9 FEB 2022).
50. Fatemeh Shamlou mahmoudi Sara Minaeian, reyhaneh Taheri Tinjani, Soheil Rahmani fard, Seyed Khalil shokouhi Mostafavi, Freshteh Shahrabi, Prevalance of blaCTX-M gene

Acinetobacter Baumannii isolates from the sputum of intensive care units, 13 International Congress of Medical Laboratory and Clinic, Iran (5-9 FEB 2022).

51.Parya shahbazi., Sara Minaeian, Anita Rezaei, Khalil Shokouhi Mostafavi, Soheil Rahmani fard. Investigation of biofilm production in klebsiella Pneumoniae isolates isolated from the intensive care unit. 17<sup>th</sup> National Congress of Biochemistry & 8<sup>th</sup> International Congress of Biochemistry & Molecular Biology August, 23-26 2022 Tehran, Iran.

52.Anita Rezaei, Sara Minaeian, Parya Shahbazi , Khalil Shokouhi Mostafavi, Soheil Rahmani fard.Study of biofilm formation in Acinetobacter baumannii isolates collected from intensive care unites. 17<sup>th</sup> National Congress of Biochemistry & 8<sup>th</sup> International Congress of Biochemistry & Molecular Biology August, 23-26 2022 Tehran, Iran.

## **Journal Papers:**

1. A.Shahverdi, S. Minaeian, H.Shahverdi, H.Jamalifar, A.Nohi "Rapid synthesis of silver nanoparticles using culture supernatants of Enterobacteria: A novel biological approach", Process Biochemistry, 42 (2007) 919-923.

2. A.Shahverdi, A.Fakhimi, H.Shahverdi, S. Minaeian, "Synthesis and Effect of silver nanoparticles on the antibacterial activity of different antibiotics against Staphylococcus aureus and Escherichia coli." Nanomedicine, 3, June (2007) 168-171.

3. S. Minaeian, A.Shahverdi, H.Shahverdi, A.Nohi "Extracellular biosynthesis of silver nanoparticles by some microorganisms", Journal of Sciences Islamic Azad University, vol17, No.66/1, winter 2008.

4. N.Mokhtari, Sh. Daneshpajouh, S.A. Seyedbagheri, R.Atashdehghan, Kh. Abdi, S. Sarkar, S. Minaeian, H.R.Shahverdi, A.R. Shahverdi "Biological synthesis of very small silver nanoparticles by culture supernatant of Klebsiella pneumonia: The effects of visible-light irradiation and the liquid mixing process", Materials Research Bulletin 44(2009), 1415-1421.

5. S.Minaeian, F.Rahbarizadeh, S.H. Zarkesh-Esfahani, D.Ahmadvand. Enrichment of nanobody gene library against human papillomavirus as the main cause of cervical cancer. Journal of Daneshvar (medicine), 94 (2011).

6.S.Minaeian, F.Rahbarizadeh, S.H. Zarkesh-Esfahani, D.Ahmadvand, O.J.Broom. Neutralization of Human Papillomavirus by Specific Nanobodies Against Major Capsid Protein L1.J. Microbiol. Biotechnol. 5; 22(5) (2012): 721-728.

7. S.Minaeian, F.Rahbarizadeh, S.H. Zarkesh-Esfahani, D.Ahmadvand. Characterization and enzyme-conjugation of a specific anti-L1 nanobody. *Journal of Immunoassay and Immunochemistry* 33(4) (2012): 422-434.
8. M. Adabi, M. Talebitaher, L.Arbabi, M.Afshar, S. Fathizadeh, S. Minaeian, N.Moghadam-marageh, A.Majidpour. Determination of antibiotic resistance pattern of *Pseudomonas aeruginosa* strains isolated from patients with burn wounds. 2015 15; (1), 66- 74.
9. M. adabi, M, talebi taher, L. Arbabi, M. Afshar, S. Fathizadeh, S. minaeian, N. N.Moghadam-marageh, A.Majidpour. Spread of efflux pump overexpressing mediated fluoroquinolone resistance and multidrug resistance in *pseudomonas aeruginosa* by using an efflux pump inhibitor. 2015; 47 (2): 98-104
10. Shamsi M, Zahedi P, Ghourchian H, Minaeian S. Microfluidic-aided fabrication of nanoparticles blend based on chitosan for a transdermal multidrug delivery application. *Int J Biol Macromol*. 2017;99:433-442.
11. Talebi taher M, Niksioulat M, Minaeian S, Khodabandelou N,Zandieh Z. The effect of probiotics in the prevention of urinary tract infections in elderly patients hospitalized in intensive care units. *RaziJournal Sciences* .2017:24 (156)32-41.
12. Jamshidi Makiani M1, Minaeian S, Amini Moghaddam S, Moosavi SA, Moeini Z, Zamani V, Karbalaeei Sabbagh M, Forghani H. Relative frequency of human papillomavirus genotypes and related sociodemographic characteristics in women referred to a general hospital in Tehran, 2014-2015: A cross-sectional study. *Int J Reprod Biomed (Yazd)*. 2017;15(5):305-310.
13. Beyki MH, Ganjbakhsh SE, Minaeian S, Shemirani F. Clean approach to synthesis of graphene like  $\text{CuFe}_2\text{O}_4$ @polysaccharide resin nanohybrid: Bifunctional compound for dye adsorption and bacterial capturing. *Carbohydr Polym*. 2017 15;174:128-136.
14. Hossein Beyki M, Malakootikhah J, Shemirania F, Minaeian S. Magnetic  $\text{CoFe}_2\text{O}_4$ @melamine based hyper-crosslinked polymer: A multivalent dendronized nanostructure for fast bacteria capturing from real samples. *Process Safety and Environmental Protection*. 2018;116 14-21.
15. Emami SS, Akbari A, Zare AA, Agah S, Masoodi M, Talebi A, Minaeian S, Fattahi A, Moghadamnia F. MicroRNA expression levels and histopathological features of colorectal cancer. *Journal of gastrointestinal cancer*. 2019 Jun 15;50(2):276-84.
16. Hossein BeykiM, Shemirania F, Malakootikhah J, Minaeian S, Khanid R. Catalytic synthesis of graphene-like polyaniline derivative -  $\text{MFe}_2\text{O}_4$  (M; Cu, Mn) nanohybrid as multifunctionality water decontaminant. *Reactive and Functional Polymers* Volume 125, April 2018, Pages 108-117.



17. Kohsari I, Mohammad-Zadeh M, Minaeian S, Rezaee M, Barzegari A, Shariatinia Z, Koudehi MF, Mirsadeghi S, Pourmortazavi SM. In vitro antibacterial property assessment of silver nanoparticles synthesized by *Falcaria vulgaris* aqueous extract against MDR bacteria. *Journal of Sol-Gel Science and Technology*. 2019;1-0.
18. Moghadamnia F, Ghoraeian P, Minaeian S, Talebi A, Farsi F, Akbari A. MicroRNA Expression and Correlation with mRNA Levels of Colorectal Cancer-Related Genes. *Journal of gastrointestinal cancer*. 2019 May 18;1-9.
19. Malakouti SK, Karimzadeh F, Minaeian S, Islami A, Rezaei M, Ghods R. The organizational culture of Iran University of Medical Sciences from the viewpoint of faculty members. *Medical Journal of The Islamic Republic of Iran (MJIRI)*. 2019 Feb 15;33(1):210-7.
20. Taher MT, Minaeian S, Bahadorizadeh L, Moradians V, Moradimoghaddam O, Asadipannah M, Hendi Y. Ventilator associated pneumonia by *acinetobacter baumannii* and antimicrobial susceptibility pattern. *Med Sci*. 2019;26(2):1-9.
21. Dadgar M, Bafroee AS, Minaeian S. The effect of antibacterial synergism of silver nanoparticles with extract of *Urtica dioica* and *Allium hirtifolium* against multidrug resistant *klebsiella* (MDR) isolated from ICU patients. *Medical Science*. 2019;29(2).
22. Zeinali Aghdam S, Minaeian S, Sadeghpour Karimi M, Tabatabaee Bafroee AS. The antibacterial effects of the mixture of silver nanoparticles with the shallot and nettle alcoholic extracts. *Journal of Applied Biotechnology Reports*. 2019 Dec 5;6(4):158-64.
23. Tabibkhomei A, Izadpanahi M, Arab A, Zare-Mirzaei A, Minaeian S, Rostami A, Mohsenian A. Profiling of novel circulating microRNAs as a non-invasive biomarker in diagnosis and follow-up of high and low-grade gliomas. *Clinical Neurology and Neurosurgery*. 2020 Mar 1;190:105652.
24. Minaeian S, Mohebbali M, Elikae S, Akhoundi B, Salemi B, Khanaliha K. Antileishmanial activity of *Allium hirtifolium* on promastigote and amastigote developmental stages of the parasite, *Leishmania major*. *Medicinal Plants-International Journal of Phytomedicines and Related Industries*. 2020;12(1):5-10.
25. Noorbakhsh S, Farhadi M, Haghighi F, Minaeian S, Hasanabad MH. Neonatal screening for congenital cytomegalovirus infection in Tehran, Iran, using Guthrie cards. *Iranian Journal of Microbiology*. 2020 May 29;12(3):198-203.
26. Khosravi N, Heravi FS, Tabasi M, Badamchi A, Minaeian S, Javadinia S, Tabasi E, Tabatabaee A. Detection of fluoroquinolone genes and spread of antibiotic resistance profile of *Enterococcus* strains isolated from clinical specimens. *Gene Reports*. 2020 Jun 1;19:100636.
27. Minaeian S, Talebi-Taher M, Poursagari E, Dadgar M, Zebhi Z. Investigation of phenotypic resistance pattern of *Enterococcus faecalis* isolated from blood and urine samples of patients

admitted to Rasoul Akram Hospital, Tehran. *Razi Journal of Medical Sciences*. 2020 Aug 10;27(6):103-12.

28. Farahmand M, Ahmadi-Vasmehjani A, Esteghamati A, Sayyahfar S, Minaeian S, Khanaliha K, Naghdalipour M, Tavakoli A. A meta-analysis on association between viral infections and Kawasaki disease in children. *Future Virology*. 2021 Jan;16(1):27-41.

29. Mehdizadehkashi A, Rokhgireh S, Tahermanesh K, Eslahi N, Minaeian S, Samimi M. The effect of vitamin D supplementation on clinical symptoms and metabolic profiles in patients with endometriosis. *Gynecological Endocrinology*. 2021 Jan 29:1-6.

30. Khanaliha K, Hedayatfar A, Minaeian S, Bokharaei-Salim F, Alemzadeh SA, Garshasbi S, Fagheei Aghmiyuni Z, Salemi B. Detection of *Toxoplasma gondii* bradyzoite genes in the peripheral blood mononuclear cells among patients with toxoplasmic chorioretinitis. *Transactions of The Royal Society of Tropical Medicine and Hygiene*. 2021 Apr 13.

31. Tabatabaei A, Khosravi N, Monfaredi M, Minaieyan S, Atefi NS, Hassanpour H, Badamchi A. The role of breastfeeding and breast milk on the colonization of *Helicobacter pylori* in the infants gastrointestinal tract. *Tehran University Medical Journal*. 2020;78(1):33-7.

32. Farahmand M, Moghoofei M, Dorost A, Shoja Z, Ghorbani S, Kiani SJ, Khales P, Esteghamati A, Sayyahfar S, Jafarzadeh M, Minaeian S. Global prevalence and genotype distribution of norovirus infection in children with gastroenteritis: A meta- analysis on 6 years of research from 2015 to 2020. *Reviews in Medical Virology*. 2021 Apr 1:e2237.

33. Minaeian S, Bahadorizadeh L, Taheri Tinjani R, Shamlou Mahmoudi F. Evaluation of phenotypic resistance pattern of gram-negative bacteria isolated from sputum of patients admitted to intensive care units of Firoozabadi hospital. *Razi Journal of Medical Sciences*.:0-.

34. Bahadorizadeh L, Fard SR, Behnagh AK, Kiapey SA, Saneii SH, Minaeian S. Risk factors for mortality in hospitalized moderate-to-severe COVID-19 patients: A single-center retrospective study. *International Archives of Health Sciences*. 2021 Oct 1;8(4):267.

35. Kalantari S, Fard SR, Maleki D, Taher MT, Yassin Z, Alimohamadi Y, Minaeian S. Comparing the effectiveness of Atazanavir/Ritonavir/Dolutegravir/Hydroxychloroquine and Lopinavir/Ritonavir/Hydroxychloroquine treatment regimens in COVID- 19 patients. *Journal of Medical Virology*. 2021 Dec;93(12):6557-65.

36. Farahmand M, Tavakoli A, Ghorbani S, Monavari SH, Kiani SJ, Minaeian S. Molecular and serological markers of human parvovirus B19 infection in blood donors: A systematic review and meta-analysis. *Asian Journal of Transfusion Science*. 2021 Jul;15(2):212.

37. MoradiMoghaddam O, Niakan Lahiji M, Minaeian S, Majedi MA, Rahmani K. Prevalence and antimicrobial resistance pattern of isolated pathogens among patients with nosocomial

infections in intensive care units of Hazrat-e Rasool General Hospital, Tehran, 2020. Scientific Journal of Kurdistan University of Medical Sciences.:44-54.

38. Tabatabaie A, Badamchi A, Ohadi E, Darbandi A, Javadinia S, Minaeian S, Naghdalipour M, Sobouti B. Determination of virulence and quinolone resistance genes and biofilm production among uropathogenic *Escherichia coli* strains isolated from clinical specimens in Iran. *Reviews in Medical Microbiology*. 2022 Jan 1;33(1):20-30.

39. Soufi G, Bagher H, Rad LY, Minaeian S. Perylene diimide-POSS network for semi selective solid-phase microextraction of lung cancer biomarkers in exhaled breath. *Analytica Chimica Acta*. 2022 Jan 28:339550.

40. Bokharaei-Salim F, Hedayati N, Khanaliha K, Esghaei M, Minaeian S, Oshaghi M, Salemi B. Molecular typing of the actin gene of *Trichomonas vaginalis* isolates in Tehran, Iran. *Journal of Parasitic Diseases*. 2022 May 17:1-7.

41. Ebrahimi S, Kalantari S, Rahmani Fard S, Kohandel M, Amiri Z, Alimohamadi Y, Minaeian S. Evaluation of relationship between the level of inflammatory cytokines Interleukin-10 and tumor necrosis factor-alpha with virologic response to treatment in patients with HIV. *Tehran University Medical Journal TUMS Publications*. 2022 May 10;80(2):91-8.

42. Khoshmirsafa M, Assarehzadegan MA, Fallahpour M, Azimi M, Faraji F, Riahi T, Minaeian S, Fassahat D, Divsalar F, Abbasi MA. Expression Pattern of Inflammatory and Anti-Inflammatory Cytokines and Key Differential Transcription Factors in Peripheral Blood Mononuclear Cells of Iranian Coronavirus Disease 2019 Patients with Different Disease Severity. *Viral Immunology*. 2022 Aug 23.

43. Chaichian S, Tehermanesh K, Minaeian S, Eslahi N. Effect of PLGA Nanoparticle-Mediated Delivery of miRNA 503 on The Apoptosis of Ovarian Endometriosis Cells. *Cell Journal (Yakhteh)*. 2022 Nov 2;24(11):697-704.

44. Obesity Can Mask the Inflammatory Profile in Obstructive Sleep Apnea Syndrome (OSA) Patients: A Cross-Sectional Study" accepted in *Galen Medical Journal*

45. Jabini S, Kartoolinejad D, Bahrami Z, Naghdi R, Sadeghipour A, Minaeian S. Biosynthesis of silver nanoparticles from juniper tree extracts. submitted in *Bio nanoscience journal*.

## **Patent:**

- 1- Production of nanocomposite (Pr1-xEr<sub>x</sub>) 2WO<sub>6</sub> @ C<sub>3</sub>N<sub>4</sub> with antimicrobial properties
- 2- Skull cooling cap to prevent brain damage
- 3- Antimicrobial structures of carbon nitride polymer (US Patent)d

## **Gene registration in GenBank:**

ACCESSION Number :OP374106,OP374107, OP374108, OP374109, OP374110, OP374111, OP424993,OP424994, OP424995, OP424996

## **BOOK:**

Nanotechnology and viruses

## **Executive responsibilities:**

- Head of the Institute of Immunology and Infectious Diseases, Iran University of Medical Sciences
- Deputy of Antimicrobial Resistance Research Center, Institute of Immunology and Infectious Diseases, Iran University of Medical Sciences
- Deputy of the Institute of Immunology and Infectious Diseases, Iran University of Medical Sciences
- Member of the Scientific Committee of KTEC
- Responsible for the field of entrepreneurship in the Olympiad of medical students at Iran University of Medical Science
- Member of the Research Council of Institute of Immunology and Infectious Diseases, Iran University of Medical Sciences
- Member of the Corona Research Council of Iran University of Medical Sciences
- Member of the Research Council of Antimicrobial Resistance Research Center, Institute of Immunology and Infectious Diseases, Iran University of Medical Sciences

## **Academic experiences:**

1. Laboratory of Labafynejad Hospital
2. Laboratory of Holy Fatima Zahra Hospital

3. Department of Biotechnology of Iranian Research Organization for Science and Technology (IROST), Tehran, Iran
4. Biotechnology laboratory of Faculty of Pharmacy, Tehran University of Medical Sciences
5. Immunology Laboratory of Institute Pasteur of Iran
6. Department of Microbiology, Iran University of Medical Sciences
7. Department of Medical Biotechnology, Tarbiat Modares University
8. University of Tehran Science & Park Technology
9. Antimicrobial Resistance Research Center, Iran University of Medical Sciences

**Language Skills:**

English, French, Arabic