

Curriculum Vitae

Kerman University of Medical Sciences, Kerman, Iran

Personal Details:

Name: Farnaz

Last Name: Sedghy

Date of Birth: 29/01/1987

Nationality: Iranian

Marital Status: Married

E-mail: Fsedghy@gmail.com

TEL: 09307179322

Educational History:

Degree	Field	Institution	Country	Date
Ph.D	Immunology	Mashhad University of Medical Sciences	Iran	2016
MSc	Immunology	Kerman University of Medical Sciences	Iran	2011
BSc	Laboratory Sciences	Tabriz University of Medical Sciences	Iran	2008
HSc	Laboratory Sciences	Urmia University of Medical Sciences	Iran	2006

Ph.D thesis:

Impact of traffic-related air pollution on the expression of *Platanus orientalis* pollen allergens

Professional History:

Faculty of Medicine, Kerman University of medical sciences, from 2017- continued.

PUBLICATION

Books:

Advanced practical immunology by:

Abdolreza Varasteh, et al.

(Chapters: Herbal antibody production, ELISA kit design, Preparation of fluorescent and enzymatic conjugates)

Articles:

- 1- Daneshvar, Hamid; Sedghy, Farnaz; Dabiri, Shahriar; Kamiabi, Hossein; Burchmore, Richard; Phillips, Stephen; Molaei, Mohammad, Alteration in mononuclear cell subpopulations in dogs immunized with gentamicin-attenuated *Leishmania infantum* 2018, 103 (103) 1101–1106.
- 2- Farnaz Sedghy, Mojtaba Sankian, Maliheh Moghadam, Ziba Ghasemi. Impact of traffic-related air pollution on the expression of *Platanus orientalis* pollen allergens. *Int J Biometeorol* (2017) 61:1–9.
- 3- Farnaz Sedghy, Mojtaba Sankian, Maliheh Moghadam, Abdol-Reza Varasteh. Quantification of Pla or 3, a *Platanus orientalis* Allergen, Grown under Different Environmental Conditions, by Sandwich ELISA. 2016 Oct; 5(1): 40–45.
- 4- Farnaz Sedghy, Abdol-Reza Varasteh, Mojtaba Sankian, Malihe Moghadam. Interaction between air pollutants and pollen grains: the role on the rising trend in allergy. 2018; 6(2): 219–224.
- 5- Ghasemi Ziba, Abdol-Reza Varasteh, Maliheh Moghadam, Farnaz Sedghy, Farahzad Jabbariazad, Mojtaba Sankian. Production of recombinant protein of *Salsola kali* (Sal k1) pollen allergen in *Lactococcus lactis*. *Iran J Allergy Asthma Immunol*. 2018 17(2):134-143.
- 6- Mahmoodi M, Sedghy F*, Jafarzadeh A. Effect of Treatment with Thyme Extract on Urinary Levels of Melatonin in an Experimental Autoimmune Encephalomyelitis Mouse Model. *RBMB* 2020; 8 (4) :407-12
- 7- Ilka SH, Heshmati A, Mirabdollahi S.A. Jafarzadeh A, Sedghy F, Bagheri F, Azari O, Mohammadi MA, Jafari Dareh Dar F, Arabnadvi M. Effect of turmeric extract on bone healing in an experimental model of femoral bone fracture. *Avicenna J Phytomed*, 2021.
- 8- J Abdesheikhi, F Sedghy*, A Farsinejad, M Mahmoudi, M Ranjkesh, M Ahmadi Zeidabadi. Protective potential of piroxicam on human peripheral blood mononuclear cells against suppressive capacity of U-87 MG cell line. *Scientific Reports*, 2022.
- 9- J Abdesheikhi, F Sedghy*, M Mahmoudi, Hossein Fallah, M Ranjkesh. Metabolic Regulation of T cell Activity: Implications for Metabolic-Based T-cell Therapies for Cancer. *Iranian Biomedical Journal*, 2023.

- 10- B Abadi, J Abdesheikhi, F Sedghy*, M Mahmoodi, H Fallah. Silibinin improved the function of T cells in peripheral blood mononuclear cells (PBMCs) co-cultured with U-87 MG cell line. Avicenna Journal of Phytomedicine, 2023.
- 11- J Abdeshaikhi, F Sedghy*. The role of mobile health in reducing stress and anxiety and subsequently strengthening the immune system in COVID-19. Journal of Biomedical Physics & Engineering. 2021.

Research project:

- 1- Alteration in mononuclear cell subpopulations in dogs immunized with gentamicin-attenuated Leishmania infantum Daneshvar. Kerman University of Medical Sciences. 2011
- 2- Impact of traffic-related air pollution on the expression of Platanus orientalis pollen allergens. Mashhad University of Medical Sciences. 2014
- 3- Effect of Treatment with Thyme Extract on Urinary Levels of Melatonin in an Experimental Autoimmune Encephalomyelitis Mouse Model. Kerman University of Medical Sciences. 2019

Presentation & Congress

- 1- Effect of traffic-related air pollution on the expression of *Platanus orientalis* pollen allergens. 13th international congress of immunology and allergy. Tabriz-Iran April 2016
- 2- ELISPOT for evaluation of the cellular origin of the TNF- α , IFN- γ , IL-13 , IL-4 cytokines in breast milk and their relationship with Atopic Dermatitis in breastfed infants. 1th international congress of immunology and allergy. Tehran-Iran. May 2010
- 3- CD4+T-cell and CD8+T-cell responses in dogs immunized with L.Infantum H lines 17th FECAVA Eurocongress and 6th TSAVA congress. Istanbul, Turkey. September 2011
- 4- Immunophenotypic characteristics of lymph node cells in dogs naturally infected by Leishmania Infantum 17th FECAVA Eurocongress and 6th TSAVA congress. Istanbul, Turkey. September 2011
- 5- Assessment of prevalence of food allergy in patients reffering to Afzalypoor Hospital in Kerman province 10th international congress of immunology and allergy. 10th international congress of immunology and allergy. Tehran, Iran. May 2010
- 6- Evaluation of cellular immunity in dogs immunized with Leishmania infantum H-line using peripheral blood mononuclear cells and lymph nodes. 1st international and 8th national congress of parasitology and parasitic disease in Iran. Kerman, Iran. Oct 2012
- 7- Evaluation of lymphocyte subsets in lymph nodes of dogs naturally infected with Leishmania infantum 1st international and 8th national congress of parasitology and parasitic disease in Iran. Kerman, Iran. Oct 2012

Workshop:

- 1- 2010, Monoclonal antibody production, Tehran University of Medical Sciences
- 2- 2010, SPSS workshop, Kerman University of Medical Sciences

- 3- 2011, Manuscript evaluation based on GATE method, Kerman University of Medical Sciences
- 4- 2011, plasmid extraction and transformation, Kerman University of Medical Sciences
- 5- 2011, PCR workshop, Kerman University of Medical Sciences
- 6- 2011, Western blotting, Kerman University of Medical Sciences
- 7- 2012, Manuscript peer-review, Tehran University of Medical Sciences
- 8- 2013, Scientific writing, Mashhad University of Medical Sciences
- 9- 2013, Article writing and criticism, Mashhad University of Medical Sciences
- 10- 2015, Prezi software, Mashhad University of Medical Sciences

Technical Skills:

1. Real Time PCR, PCR, DNA & RNA Isolation
2. Flow cytometry
3. Cell and tissue culture
4. Methods of ELISA kit design
5. SDS-PAGE, Western blotting
6. Polyclonal antibody production

Research Interests:

Cancer immunology and immunotherapy, Allergy