

Curriculum Vitae

Personal identification:**First name:** Seyed Alireza **Surname:** Mahdaviani**Birth date:** 1969**Place of birth:** Tehran **Religious:** Moslem**Marital Statuses :** Married**Academic position:** Assistant Professor, Shahid Beheshti University of Medical Sciences,
Tehran,Iran**Home Address:** No:1 , 17th Ave.Velenjak ,Tehran Iran**Work address:** The National Research Institute of Tuberculosis and Lung Diseases (NRITLD)
(Shaheed Beheshti University)**Hospital:** Massih Daneshvari Hospital**Phone number:****Office:**+98-21-27122609**Title:** Associate Prof. of Allergy and Clinical Immunology**Ward :**Pediatric Respiratory Disease Research Center,NRITLD**E-mail:** mahdavini@yahoo.com**Second language:** English**Educational status:**

Degrees	Field of education	Graduation year	University	School	City-Country
M.D.	General practice	1994	Tehran University	Medicine	Tehran-Iran
Specialty	Pediatrics	2004	Tehran University	Medicine	Tehran-Iran

Sub-Speciality	Allergy & Clinical Immunology	2009	Tehran University	Medicin	Tehran – Iran
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Experience:

- Associate Prof. of Allergy and Clinical Immunology ,Faculty Member of NRITLD , Massih Daneshvari Hospital
- Head of Allergy and Clinical Immunology ward, NRITLD , Massih Daneshvari Hospital
- Staff disciplinary board of Allergy and Clinical Immunology
- Member of managerial board of Iranian Society of Asthma and Allergy(2007- 2009) (2013-till now)
- Editorial board of Iranian Journal of Allergy, Asthma and Immunology(2013-till now)
- Head, Reserch and International Affairs Department of NTITLD, Massih Daneshvari Hospital(2011-2014)
- Vice- President Pediatric Respiratory Diseases Research Center, National Research Institute of Tuberculosis and Lung Diseases (NRITLD), Shahid Beheshti University of Medical Sciences, Tehran, Iran
- Executive Director,World Asthma Day (WAD) ,2007-2008- 2014 Imam Khomeini International Confrence Center
- Cooperation in Asthma and Allergy workshops for families as a lecturer (2007-2010)

Publications:

1- Proinflammatory cytokine gene polymorphisms among Iranian patients with asthma.

Mahdaviyani SA, Rezaei N, Moradi B, Dorkhosh S, Amirzargar AA, Movahedi M

J Clin Immunol. 2009 Jan;29(1):57-62. Epub 2008 Sep 2

2- IL-10, TGF-beta, IL-2, IL-12, and IFN-gamma cytokine gene polymorphisms in asthma.

Movahedi M, **Mahdaviyani SA**, Rezaei N, Moradi B, Dorkhosh S, Amirzargar AAJ Asthma. 2008

Nov;45(9):790-4

- 3-Polymorphisms in IL-4 and IL-4 RA genes confer susceptibility to asthma. Ali Akbar Amirzargar AA, Movahedi M, Rezaei N, Moradi B, Dorkhosh S, Mahloji M, **Mahdaviani SA**. J Invest Allergol Clin Immunol 2009; 19 (6)
- 4- Adverse reactions of prophylactic intravenous immunoglobulin; a 13-year experience with 3004 infusions in Iranian patients with primary immunodeficiency diseases. Dashti-Khavidaki S, Aghamohammadi A, Farshadi F, Movahedi M, Parvaneh N, Pouladi N, Moazzami K, Cheraghi T, **Mahdaviani SA**, Saghafi S, Heydari G, Abdollahzade S, Rezaei N J Invest Allergol Clin Immunol. 2009;19(2):139-45
- 5-Comparison of morbidities between infants of pregestational & gestational diabetic mothers in Tehran Vali-e-Asr Hospital. Nili F, **Mahdaviani A**. Med J Islam Repub Iran. 2004;18(1):13-21.
- 6- Inheritance Pattern and Clinical Aspects of 93 Iranian Patients with Chronic Granulomatous Disease. Fattahi F, Badalzadeh M, Sedighipour L, Movahedi M, Fazlollahi MR, Mansouri SD, Khotaei GT, Bermanian MH, Behmanesh F, Hamidieh AA, Bazargan N, Mamishi S, Zandieh F, Chavoshzadeh Z, Mohammadzadeh I, **Mahdaviani SA**, Tabatabaei SA, Kalantari N, Tajik S, Maddah M, Pourpak Z, Moin M. J Clin Immunol. 2011 Jul 26. [Epub ahead of print]
- 7- IL-12R β 1 deficiency in two of fifty children with severe tuberculosis from Iran, Morocco, and Turkey. Boisson-Dupuis S, El Baghdadi J, Parvaneh N, Bousfiha A, Bustamante J, Feinberg J, Samarina A, Grant AV, Janniere L, El Hafidi N, Hassani A, Nolan D, Najib J, Camcioglu Y, Hatipoglu N, Aydogmus C, Tanir G, Aytekin C, Keser M, Somer A, Aksu G, Kutukculer N, Mansouri D, **Mahdaviani A**, Mamishi S, Alcais A, Abel L, Casanova JL. PLoS One. 2011 Apr 13;6(4):e18524
- 8 - IL-2-inducible T-cell kinase deficiency with pulmonary manifestations due to disseminated Epstein-Barr virus infection. Mansouri D, **Mahdaviani SA**, Khalilzadeh S, Mohajerani SA, Hasanzad M, Sadr S, Nadji SA, Karimi S, Droodinia A, Rezaei N, Linka RM, Bienemann K, Borkhardt A, Masjedi MR, Velayati AA. Int Arch Allergy Immunol. 2012;158(4):418-22. Epub 2012 Apr 5. PubMed PMID: 22487848.
- 9- Novel mutation of the activation-induced cytidine deaminase gene in a Tajik family: special review on hyper-immunoglobulin M syndrome. **Mahdaviani SA**, Hirbod-Mobarakeh A, Wang N, Aghamohammadi A, Hammarström L, Masjedi MR, Pan-Hammarström Q, Rezaei N. Expert Rev Clin Immunol. 2012 Aug;8(6):539-46. PubMed PMID: 22992148.

- 10- **Mahdaviyani SA**, Mohajerani SA, Rezaei N, Casanova JL, Mansouri SD, Velayati AA. Pulmonary manifestations of chronic granulomatous disease. *Expert Rev Clin Immunol*. 2013 Feb;9(2):153-60. doi: 10.1586/eci.12.98. Review. PMID: 23390946
- 11- Farhadi E, Nemati S, Amirzargar AA, Hirbod-Mobarakeh A, Nabavi M, Soltani S, **Mahdaviyani SA**, Shahinpour S, Arshi S, Nikbin B, Aghamohammadi A, Rezaei N. AICDA single nucleotide polymorphism in common variable immunodeficiency and selective IgA deficiency. *Allergol Immunopathol (Madr)*. 2013 May 31. S0301-0546(13)00102-X. doi: 10.1016/j.aller.2013.02.002. PubMed PMID: 23731676.
- 12- **Mahdaviyani SA**, Mehriani P, Najafi A, Khalilzadeh S, Eslampanah S, Nasri A, Karam MB, Rezaei N, Velayati AA. Pulmonary computed tomography scan findings in chronic granulomatous disease. *Allergol Immunopathol (Madr)*. 2013 Jul 11. pii: S0301-0546(13)00149-3. doi: 10.1016/j.aller.2013.04.003.
- 13- Prando C, Samarina A, Bustamante J, Boisson-Dupuis S, Cobat A, Picard C, AlSum Z, Al-Jumaah S, Al-Hajjar S, Frayha H, Alangari A, Al-Mousa H, Mobaireek KF, Ben-Mustapha I, Adimi P, Feinberg J, de Suremain M, Janni re L, Filipe-Santos O, Mansouri N, Stephan JL, Nallusamy R, Kumararatne DS, Bloorasaz MR, Ben-Ali M, Elloumi-Zghal H, Chemli J, Bouguila J, Bejaoui M, Alaki E, AlFawaz TS, Al Idrissi E, ElGhazali G, Pollard AJ, Murugasu B, Wah Lee B, Halwani R, Al-Zahrani M, Al Shehri MA, Al-Zahrani M, Bin-Hussain I, **Mahdaviyani SA**, Parvaneh N, Abel L, Mansouri D, Barbouche R, Al-Muhsen S, Casanova JL. Inherited IL-12p40 deficiency: genetic, immunologic, and clinical features of 49 patients from 30 kindreds. *Medicine (Baltimore)*. 2013 Mar;92(2):109-22. doi: 10.1097/MD.0b013e31828a01f9. Erratum in: *Medicine (Baltimore)*. 2013 May;92(3):190.
- 14- Hosseini S, Shoormasti RS, Akramian R, Movahedi M, Gharagozlou M, Foroughi N, Saboury B, Kazemnejad A, Mahlooji Rad M, **Mahdaviyani A**, Pourpak Z, Moin M. Skin Prick Test Reactivity to Common Aero and Food Allergens among Children with Allergy. *Iran J Med Sci*. 2014 Jan;39(1):29-35.
- 15- Aghamohammadi A, Mohammadinejad P, Abolhassani H, Mirminachi B, Movahedi M, Gharagozlou M, Parvaneh N, Zeiaee V, Mirsaeed-Ghazi B, Chavoushzadeh Z, **Mahdaviyani A**, Mansouri M, Yousefzadegan S, Sharifi B, Zandieh F, Hedayat E, Nadjafi A, Sherkat R, Shakerian B, Sadeghi-Shabestari M, Farid Hosseini R, Jabbari-Azad F, Ahanchian H, Behmanesh F, Zandkarimi M, Shirkani A, Cheraghi T, Fayezi A, Mohammadzadeh I, Amin R, Aleyasin S, Moghtaderi M, Ghaffari J, Arshi S,

Javahertrash N, Nabavi M, Bemanian MH, Shafiei A, Kalantari N, Ahmadiafshar A, Khazaei HA, Atarod L, Rezaei N. Primary Immunodeficiency Disorders in Iran: Update and New Insights from the Third Report of the National Registry. *J Clin Immunol*. 2014 Mar 25. [Epub ahead of print] PubMed PMID: 24659230.

16- Raoufy MR, Ghafari T, Darooei R, Nazari M, **Mahdavi** SA, Eslaminejad AR, Almasnia M, Gharibzadeh S, Mani AR, Hajizadeh S. Classification of Asthma Based on Nonlinear Analysis of Breathing Pattern. *PLoS One*. 2016 Jan 29;11(1):e0147976. doi: 10.1371/journal.pone.0147976. eCollection 2016. PubMed PMID: 26824900; PubMed Central PMCID: PMC4732950.

17- Azizi G, Abolhassani H, **Mahdavi** SA, Chavoshzadeh Z, Eshghi P, Yazdani R, Kiaee F, Shaghghi M, Mohammadi J, Rezaei N, Hammarström L, Aghamohammadi A. Clinical, immunologic, molecular analyses and outcomes of iranian patients with LRBA deficiency: A longitudinal study. *Pediatr Allergy Immunol*. 2017 Aug;28(5):478-484. doi: 10.1111/pai.12735. Epub 2017 Jun 19. PubMed PMID: 28512785.

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19- Shokouhi Shoormasti R, Pourpak Z, Fazlollahi MR, Shabani A, Kazemnejad A, Ebadi Z, Tayebi B, Darabi B, Movahedi M, **Mahdavi** SA, Moin M. Determination of the Most Common Indoor and Outdoor Allergens in 602 Patients with Allergic Symptoms Using Specific IgE Local Panel. *Iran J Allergy Asthma Immunol*. 2017 Aug;16(4):298-306. PubMed PMID: 28865409.

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21- Rosain J, Oleaga-Quintas C, Deswarte C, Verdin H, Marot S, Syridou G, Mansouri M, **Mahdaviani SA**, Venegas-Montoya E, Tsolia M, Mesdaghi M, Chernyshova L, Stepanovskiy Y, Parvaneh N, Mansouri D, Pedraza-Sánchez S, Bondarenko A, Espinosa-Padilla SE, Yamazaki-Nakashimada MA, Nieto-Patlán A, Kerner G, Lambert N, Jacques C, Corvilain E, Migaud M, Grandin V, Herrera MT, Jabot-Hanin F, Boisson-Dupuis S, Picard C, Nitschke P, Puel A, Tores F, Abel L, Blancas-Galicia L, De Baere E, Bole-Feysot C, Casanova JL, Bustamante J. A Variety of Alu-Mediated Copy Number Variations Can Underlie IL-12R β 1 Deficiency. *J Clin Immunol*. 2018 Jul;38(5):617-627. doi: 10.1007/s10875-018-0527-6. Epub 2018 Jul 11. PubMed PMID: 29995221; PubMed Central PMCID: PMC6329663.

22- Kashaninia Z, Payroovee Z, Soltani R, **Mahdaviani SA**. Effect of Family Empowerment on Asthma Control in School-Age Children. *Tanaffos*. 2018 Jan;17(1):47-52. PubMed PMID: 30116279; PubMed Central PMCID: PMC6087534.

23- Yazdani R, Abolhassani H, Kiaee F, Habibi S, Azizi G, Tavakol M, Chavoshzadeh Z, **Mahdaviani SA**, Momen T, Gharagozlou M, Movahedi M, Hamidieh AA, Behniafard N,

Nabavi M, Bemanian MH, Arshi S, Molatefi R, Sherkat R, Shirvani A, Amin R, Aleyasin S, Faridhosseini R, Jabbari-Azad F, Mohammadzadeh I, Ghaffari J, Shafiei A, Kalantari A, Mansouri M, Mesdaghi M, Babaie D, Ahanchian H, Khoshkhui M, Soheili H, Eslamian MH, Cheraghi T, Dabbaghzadeh A, Tavassoli M, Kalmarzi RN, Mortazavi SH, Kashef S, Esmaeilzadeh H, Tafaroji J, Khalili A, Zandieh F, Sadeghi-Shabestari M, Darougar S, Behmanesh F, Akbari H, Zandkarimi M, Abolnezhadian F, Fayezi A, Moghtaderi M, Ahmadiafshar A, Shakerian B, Sajedi V, Taghvaei B, Safari M, Heidarzadeh M, Ghalebzadeh B, Fathi SM, Darabi B, Bazregari S, Bazargan N, Fallahpour M, Khayatizadeh A, Javahertrash N, Bashardoust B, Zamani M, Mohsenzadeh A, Ebrahimi S, Sharafian S, Vosughimotlagh A, Tafakoridelbari M, Rahim M, Ashournia P, Razaghian A, Rezaei A, Samavat A, Mamishi S, Khazaei HA, Mohammadi J, Negahdari B, Parvaneh N, Rezaei N, Lougaris V, Giliani S, Plebani A, Ochs HD, Hammarström L, Aghamohammadi A. Comparison of Common Monogenic Defects in a Large Predominantly Antibody Deficiency Cohort. *J Allergy Clin Immunol Pract.* 2019 Mar;7(3):864-878.e9. doi: 10.1016/j.jaip.2018.09.004. Epub 2018 Sep 19. PubMed PMID: 30240888.

24- Abolhassani H, Kiaee F, Tavakol M, Chavoshzadeh Z, **Mahdavian SA**, Momen T, Yazdani R, Azizi G, Habibi S, Gharagozlou M, Movahedi M, Hamidieh AA, Behniafard N, Nabavi M, Bemanian MH, Arshi S, Molatefi R, Sherkat R, Shirvani A, Amin R, Aleyasin S, Faridhosseini R, Jabbari-Azad F, Mohammadzadeh I, Ghaffari J, Shafiei A, Kalantari A, Mansouri M, Mesdaghi M, Babaie D, Ahanchian H, Khoshkhui M, Soheili H, Eslamian MH, Cheraghi T, Dabbaghzadeh A, Tavassoli M, Kalmarzi RN, Mortazavi SH, Kashef S, Esmaeilzadeh H, Tafaroji J, Khalili A, Zandieh F, Sadeghi-Shabestari M, Darougar S, Behmanesh F, Akbari H, Zandkarimi M, Abolnezhadian F, Fayezi A, Moghtaderi M, Ahmadiafshar A, Shakerian B, Sajedi V, Taghvaei B, Safari M, Heidarzadeh M, Ghalebzadeh B, Fathi SM, Darabi B, Bazregari S, Bazargan N, Fallahpour M, Khayatizadeh A, Javahertrash N, Bashardoust B, Zamani M, Mohsenzadeh A, Ebrahimi S, Sharafian S, Vosughimotlagh A, Tafakoridelbari M, Rahimi M, Ashournia P, Razaghian A, Rezaei A, Mamishi S, Parvaneh N, Rezaei N, Hammarström L, Aghamohammadi A. Fourth Update on the Iranian National Registry of Primary Immunodeficiencies: Integration of Molecular Diagnosis. *J Clin Immunol.* 2018 Oct;38(7):816-832. doi: 10.1007/s10875-018-0556-1. Epub 2018 Oct 9. PubMed PMID: 30302726.

25- Tafakori Delbari M, Cheraghi T, Yazdani R, Fekrvand S, Delavari S, Azizi G, Chavoshzadeh Z, **Mahdaviani SA**, Ahanchian H, Khoshkhui M, Behmanesh F, Aleyasin S, Esmaeilzadeh H, Jabbari-Azad F, Fallahpour M, Zamani M, Madani SP, Moazzami B, Habibi S, Rezaei A, Lotfalikhani A, Movahed M, Shariat M, Kalantari A, Babaei D, Darabi M, Parvaneh N, Rezaei N, Abolhassani H, Aghamohammadi A. Clinical Manifestations, Immunological Characteristics and Genetic Analysis of Patients with Hyper-Immunoglobulin M Syndrome in Iran. *Int Arch Allergy Immunol*. 2019 May 22;1-12. doi: 10.1159/000500197. [Epub ahead of print] PubMed PMID: 31117086.

26- Ayazi M, Fazlollahi MR, Mohammadzadeh I, Fayezi A, Nabavi M, **Mahdaviani SA**, Movahedi M, Heidarzadeh M, Saghafi S, Shokouhi Shoormasti R, Mohammadian S, Farkas H, Pourpak Z. Delayed diagnosis of hereditary angioedema with C1-inhibitor deficiency in iranian children and adolescents. *Pediatr Allergy Immunol*. 2019 May;30(3):395-398. doi: 10.1111/pai.13028. Epub 2019 Mar 20. PubMed PMID: 30690789.

27- Martínez-Barricarte R, Markle JG, Ma CS, Deenick EK, Ramírez-Alejo N, Mele F, Latorre D, **Mahdaviani SA**, Aytakin C, Mansouri D, Bryant VL, Jabot-Hanin F, Deswarte C, Nieto-Patlán A, Surace L, Kerner G, Itan Y, Jovic S, Avery DT, Wong N, Rao G, Patin E, Okada S, Bigio B, Boisson B, Rapaport F, Seeleuthner Y, Schmidt M, Ikinçiogullari A, Dogu F, Tanir G, Tabarsi P, Bloursaz MR, Joseph JK, Heer A, Kong XF, Migaud M, Lazarov T, Geissmann F, Fleckenstein B, Arlehamn CL, Sette A, Puel A, Emile JF, van de Vosse E, Quintana-Murci L, Di Santo JP, Abel L, Boisson-Dupuis S, Bustamante J, Tangye SG, Sallusto F, Casanova JL. Human IFN- γ immunity to mycobacteria is governed by both IL-12 and IL-23. *Sci Immunol*. 2018 Dec 21;3(30). pii: eaau6759. doi: 10.1126/sciimmunol.aau6759. PubMed PMID: 30578351; PubMed Central PMCID: PMC6380365.

28- Hedayati N, Mortezaee V, **Mahdaviani SA**, Mirenayat MS, Hassanzad M,

Pourabdollah M, Heshmatnia J, Fakharian A, Pourdolat G, Sharifynia S, Vakili M, Abastabar M, Haghani I, Aliyali M, Asgarian-Omran H, Hedayati MT. Prevalence of specific immunoglobulin E and G against *Aspergillus fumigatus* in patients with asthma. *Curr Med Mycol*. 2018 Dec;4(4):7-11. doi: 10.18502/cmm.4.4.380. PubMed PMID: 30815611; PubMed Central PMCID: PMC6386509.

29- Khasha R, Sepehri MM, **Mahdaviani SA**. An ensemble learning method for asthma control level detection with leveraging medical knowledge-based classifier and supervised learning. *J Med Syst*. 2019 Apr 26;43(6):158. doi: 10.1007

Abstracts and Postres Presented in Conferences:

- Diagnostic and therapeutic implications of current knowledge of Asthma -20th International Congress of Pediatrics :OCT 2008
- Th1 and Th2 Cytokine gene polymorphisms in Iranian Patients with Asthma – The 9th Iranian Congress of Immunology and Allergy –May 2009
- Drug Allergy , New attitudes in the diagnosis (poster)-Annual Congress of Iranian Society of Pediatrics –April 2008
- Acute Asthma ,New Systemic Approaches (poster) -3rd Iranian Congress of Pediatric Emergency –March 2008
- New approaches to Asthma – 19th International Congress of Pediatrics-Oct 2007
- Immunotherapy in Allergic rhinitis- third Regional Seminar on Asthma and Allergic rhinitis in Children
- Asthma Registry, a path to uncover pitfalls in asthma - ERS Annual Congress - Vienna 2012
- Polymorphisms in IL-4 and IL-4 RA genes confer susceptibility to asthma- European Academy of Allergology and Clinical Immunology Congress 2011
- Asthma registry, a path to uncover pitfalls in asthma. ERS Vienna Annual Congress 2012

Books:

- Pulmonary Manifestations of Primary Immunodeficiency Diseases. 2019, Editors : Seyed Alireza Mahdaviani • Nima Rezaei, Publisher: Springer

- Clinical Cases in Primary Immunodeficiency Diseases- A Problem-Solving Approach- Defects in Innate Immunity: Receptors and Signaling. 2012, Springer
- Treatment of common ear, nose and throat diseases (Publisher medical sciences)
- Eye diseases (Publisher Tabalvor)- March 1998