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**Updated at:** 20 April 2024

### Educational Background:

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|-----------|----------------------------------------------------------------------------------------------------------------|
| 2022-Now  | Associated professor of allergy and clinical immunology, Mashhad University of Medical Sciences, Mashhad, Iran |
| 2014-2022 | Assistant professor of allergy and clinical immunology, Mashhad University of Medical Sciences, Mashhad, Iran  |
| 2011-2014 | Fellow of allergy and clinical immunology at Shiraz University of Medical Sciences, Shiraz, Iran               |
| 2005-2008 | Residency of pediatric at Shiraz University of Medical Science. Shiraz, Iran                                   |
| 1995-2002 | Student of medicine. Shiraz University of Medical Science                                                      |

### Research Interests:

- ➡ Chronic urticaria
- ➡ Allergen Immunotherapy
- ➡ Asthma

### Papers:

1. Cherrez-Ojeda I, Bousquet J, Giménez-Arnau A, Godse K, Krasowska D, Bartosińska J, .....,**Khoshkhui M**, ....., Szczepanik-Kuśak P, Wawrzycki B, Kolchir P, Allenova A, Allenov A. Patient-Reported Outcome Measures in Atopic Dermatitis and Chronic Urticaria are Underused in Clinical Practice. The Journal of Allergy and Clinical Immunology: In Practice. 2024 Apr 9.
2. **Khoshkhui M**, Jabbari F, Zargar FS, Haghi NM, Ariaee N. Fluctuation of Disease Severity and Quality of Life Applying Intralymphatic Immunotherapy for Patients with Seasonal Allergic Rhinitis. Iranian Journal of Allergy, Asthma and Immunology. 2024 Mar 11:1-9.
3. Ojeda IC, Maurer M, Bousquet J, Gimenez-Arnau A, Godse K, Krasowska D, Robles-Velasco K, .....,**Khoshkhui M**, ....., Kolchir P, Tkachenko S, Mitrevska NT, Kolacinska-Flont M. Enhancing Angioedema

Patient Care: Unveiling Underutilization and Barriers in the Implementation of Patient-Reported Outcome Measurements. *Journal of Allergy and Clinical Immunology*. 2024 Feb 1;153(2):AB85.

4. Ojeda IC, Bousquet J, Maurer M, Zuberbier T, Krasowska D, Linnemann DL, ....., **Khoshkhui M**, ....., Mihaltan F, Ulmeanu R, Ivancevich J, Rosario N, Kvedariene V. Actual real-world application of PROMs in Asthma and Rhinitis as advised by guidelines: PROMUSE Respiratory Study. *Journal of Allergy and Clinical Immunology*. 2024 Feb 1;153(2):AB176-7.
5. Cherrez-Ojeda I, Vanegas E, Cherrez A, Felix M, Weller K, ....., **Khoshkhui M**, ....., Magerl M, Maurer R, VL M, Kasperska-Zajac A, SIKORA A, Fomina D. Urticaria Patients Are Highly Interested in Apps to Monitor Their Disease Activity and Control: A UCARE CURICT Analysis.
6. Borhani H, Farid-Hosseini R, Jabbari Azad F, Abdolvahedi MR, **Khoshkhui M**, Tafrishi R, Sadeghian MH. Investigating the Therapeutic Effect of Lota Carrageenan in Allergic and Non-Allergic Rhinitis. *Journal of Patient Safety & Quality Improvement*. 2024 Jan 1;12(1):11-7.
7. Kocatürk E, Salameh P, Sarac E, Ayala CE, Thomsen SF, Zuberbier T, Ensina LF, ....., **Khoshkhui M**, ....., Popov TA, van Doorn MB, Giménez-Arnau AM, Asero R. Urticaria exacerbations and adverse reactions in patients with chronic urticaria receiving COVID-19 vaccination: Results of the UCARE COVAC-CU study. *Journal of Allergy and Clinical Immunology*. 2023 Nov 1;152(5):1095-106.
8. Faridzadeh A, Yadegari Y, Bakhshaei M, Kabiri M, Mohammadi M, **Khoshkhui M**, Jabbari Azad F. The role of synbiotics as adjunctive agents in the treatment of allergic rhinitis: A randomized controlled trial. *Health Science Reports*. 2023 Oct;6(10):e1571.
9. Bonnekoh H, Jelden-Thurm J, Allenova A, Chen Y, Cherrez-Ojeda I, Danilycheva I, Dorofeeva I, ....., **Khoshkhui M**, ....., Criado RF, Criado PR, Akkor AG, Hawro T. Urticarial vasculitis differs from chronic spontaneous urticaria in time to diagnosis, clinical presentation, and need for anti-inflammatory treatment: an international prospective UCARE study. *The Journal of Allergy and Clinical Immunology: In Practice*. 2023 Sep 1;11(9):2900-10.
10. Jabbari-Azad F, **Khoshkhui M**, Khalighi N, Mohammadi M, Emadzadeh M, Aliabadi MM. The impact of propolis on clinical manifestations and specific IgE levels against salsola in perennial-allergic rhinitis patients. *In Qatar Medical Journal* 2023 Jun 8 (Vol. 2023, No. 2, p. 21). Qatar: HBKU Press.
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12. Pashangzadeh S, Delavari S, Shad TM, Salami F, Rasouli SE, Yazdani R, Mahdavian SA, Nabavi M, Aleyasin S, Ahanchian H, ....., **Khoshkhui M**, ....., Azad FJ. Non-Infectious Complications in B-Lymphopenic Common Variable Immunodeficiency. *Journal of Investigational Allergology & Clinical Immunology*. 2023 Apr 25:0-.
13. Kolkhir P, Laires PA, Salameh P, Asero R, Bizjak M, Košnik M, Dissemond J, van Doorn M, ....., **Khoshkhui M**, ....., Hawro T, Kasperska-Zajac A, Zajac M. The Benefit of Complete Response to Treatment in Patients

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19. Kocatürk E, Thomsen SF, Al-Ahmad M, Arnau AM, Conlon N, Şavk E, ..., **Khoshkhui M**,..., Criado RF, Danilycheva I, Fomina D, Khoshkhui M, Gelincik A. Total IgE levels are linked to the course of chronic spontaneous urticaria during pregnancy. The Journal of Allergy and Clinical Immunology: In Practice. 2022 Oct 27.
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42. Azizi G, Tavakol M, Yazdani R, Delavari S, Moeini Shad T, Rasouli SE, Jamee M, Pashangzadeh S, ..., Jabbari-Azad F, ..., **Khoshkhui M**, ..., Kalantari A, Shariat M, Shafiei A. Autoimmune manifestations among 461 patients with monogenic inborn errors of immunity. *Pediatric Allergy and Immunology*. 2021 Mar 27.
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communications technologies in patients with chronic urticaria: A UCARE study. World Allergy Organization Journal. 2020 Nov 1;13(11):100475.

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#### **Presentations:**

1. Khoshkhui M. Effects of COVID-19 vaccination on chronic urticaria patients: First results of the UCARE COVAC-CU study. The European Academy of Allergy and Clinical Immunology Hybrid Congress. 1-3 July 2022, Czech Republic. **Poster Presentation**
2. Khoshkhui M. Challenges in urticaria treatment around the globe. GA<sup>2</sup>LEN UCARE Conference. 7-9 Dec 2023. Soa Poalo, Brezil. **Oral Presentation (Invited Speaker)**
3. Khoshkhui M, Gharib M, Safari M, Rastgou S. Thyroid Peroxidase expression in skin of patients with chronic spontaneous urticarial. GA<sup>2</sup>LEN UCARE Conference. 7-9 Dec 2023. Soa Poalo, Brezil. **Poster Presentation**
4. Jabbari-Azad F, Emadzadeh M, Mohammadi M, Khalighi N, Khoshkhui M, Movahhedi Aliabadi M. The impact of propolis on clinical manifestations and specific IgE levels against salsola in perennial-allergic rhinitis patients. 2nd Qatar Allergy and Immunology Conference. Doha, Qatar. 9 to 11 February 2023. **Oral Presentation**
5. Khoshkhui M. Approach to HLH. 14th International Congress of Immunodeficiency Diseases (ICID). Tehran, Iran, April 26-27, 2023. **Oral Presentation**
6. Khoshkhui M. Significant changes in the gene expression of STAT3, IL-27P28 and IL-12p35 in patients with chronic spontaneous urticaria. 6th GA2LEN Global Urticaria Forum. Berlin, Germany, 7-8 December 2022. **Oral Presentation**
7. Khoshkhui M. Comorbid Conditions of Patients with Chronic Spontaneous Urticaria are different between countries. 6th GA2LEN Global Urticaria Forum. Berlin, Germany, 7-8 December 2022. **Poster Presentation**
8. Khoshkhui M. Approach to wart. 13<sup>th</sup> International congress on Immunodeficiency Disease. 24-25 April 2022, Tehran, Iran. **Oral Presentation(invited speaker)**
9. Khoshkhui M. IgE level and associations with various parameters in dermatoallergy. International dermatology and cosmetology congress. 11-13 March 2022, Istanbul, Turkey. **Oral Presentation (invited speaker)**

10. **Khoshkhui M.** Evaluation of the Reliability and Validity of the Persian Version of Urticaria Control Test (UCT). GA<sup>2</sup>LEN UCARE Urticaria Conference 2021. Hiroshima, Japan, 9-11 Dec 2021. **Poster presentation**
11. **Khoshkhui M.** Association of chronic spontaneous urticarial with toxocariasis. GA<sup>2</sup>LEN UCARE Urticaria Conference 2021. Hiroshima, Japan, 9-11 Dec 2021. **Poster presentation**
12. **Khoshkhui M.**, Saboori Rad S, Shahrokhi Y. Nasal carriage of Staphylococcus aureus in relation to chronic spontaneous urticarial. 5th GA2LEN Global Urticaria Forum. Berlin, Germany, 1-2 Dec 2020. **Poster presentation**
13. **Khoshkhui M.** The role of allergens in atopic dermatitis. 6th International Dermatology and Cosmetology Congress. Istanbul, Turkey. (INDERCOS 2021, Online Congress). **Oral presentation(invited speaker)**
14. **Khoshkhui M.** IVIG Therapy. 3rd International nursing Congress on prevention strategies for healthcare associated infection, Mashhad, Iran, 17-19 Nov 2020. **Oral presentation (invited speaker)**
15. **Khoshkhui M.** Urticaria. 23rd International Asthma day and Allergy and Immunodeficiency week Webinar Congress, Tehran, Iran, 16-17 Sep 2020. **Oral presentation(invited speaker)**
16. Zabolinejad N, Molkara S, Gharib M, Bakhshodeh B, Ghaffari-Nazari H, **Khoshkhui M.** The expression of serotonin transporter protein in the skin of patients with chronic spontaneous urticaria and its relation with depression and anxiety.GA<sup>2</sup>LEN Global Urticaria Forum, Berlin, Germany, 1-2 Dec 2020. **Poster presentation selected as poster walk for oral presentation**
17. **Khoshkhui M.** Asthma phenotype. Asthma Seminar, Bojnord, Iran, 02 May 2019. **Oral presentation(invited speaker)**
18. **Khoshkhui M.** Acute asthma attack. Conference of Asthma Diagnosis and Treatment updates, Mashhad, Iran, 18 Jul 2019. **Oral presentation(invited speaker)**
19. **Khoshkhui M.** Wart and immune deficiency. Microbiology Congress & 3rd International Congress on Prevention Strategies for Healthcare-associated Infections, Mashhad, Iran, 12-10 Nov 2020. **Oral presentation(invited speaker)**
20. **Khoshkhui M.**, Mohammadi M. A Significant Association between TAQ1 Gene Polymorphism in Vitamin D Receptor and Chronic Urticaria in the City of Mashhad, Northeast of Iran. GA2LEN UCARE Urticaria conference, Istanbul, Turkey, 06-07 Dec 2019. **Poster Presentation**

21. **Khoshkhui M**, Fadaee J, Jabbari-Azad F, Farid Hosseini R. Evaluation of Serum Substance P Level in Chronic Urticaria and Correlation with Disease Severity. GA2LEN UCARE Urticaria conference, Istanbul, Turkey, 06-07 Dec 2019. Poster Presentation
22. **Khoshkhui M**, Jabbari F., Motevalli N., Farid Hosseini R., Rezaie M. Intralymphatic immunotherapy: An effective alternative route for pollen \_induced rhinitis. EAACI Congress 2018 in Munich, Germany, 26 – 30 May 2018. **(invited speaker)**
23. **Khoshkhui M**, Jabbari F, Motevalli N, Hosseini FR, Rezaie M. intralymphatic immunotherapy: An effective, fast and safe alternative treatment rout for pollen-induced rhinitis. The 11<sup>th</sup> International Congress of Asthma, Allergy and Immunology, Yazd, Iran, 2017. Poster Presentation
24. **Maryam Khoshkhui**. Approach to chronic utricaria. The 11<sup>th</sup> International Congress of Asthma, Allergy and Immunology, Yazd, Iran, 2017. **Oral Presentation(invited speaker)**
25. **Maryam Khoshkhui**, Asthma Phenotypes. The 3 rd International Congress of Immunology, Asthma and Allergy, ICIAAI. Tehran, Iran. 15-17 February, 2017. **Oral Presentations(invited speaker)**
26. **Maryam Khoshkhui**, Level of Agreement between Children with Asthma and their Parents on Quality of Life, The 3 rd International Congress of Immunology, Asthma and Allergy, ICIAAI. Tehran, Iran. 15-17 February, 2017. **Poster Presentations**
27. **Maryam Khoshkhui**, Reza Farid Hosseini, pegah hosseini. Is there any correlation between atopy and psoriasis?. The 3 rd International Congress of Immunology, Asthma and Allergy, ICIAAI. Tehran, Iran. 15-17 February, 2017. **Oral Presentations**
28. **Maryam Khoshkhui**, Approach to patients with generalized wart, 9th international conference on Primary Immunodeficiency, Tehran, Iran. 21-22 April, 2017. **Oral Presentations(invited speaker)**
29. **Maryam Khoshkhui**, Advances in chronic urticaria. 3th international of immunology allergy and the first symposium of food and drug allergy. Mashhad, Iran. 3-6 May 2016. **Oral Presentations(invited speaker)**
30. **Maryam Khoshkhui**, Genetic disease that predispose to HLH. 8th International conference of immunodeficiency disorders, Tehran. Iran. 23-25 April, 2016. **Oral Presentations (invited speaker)**

31. **Maryam Khoshkhui**, is vocal cord disfunction undrdiagnosed? national congress of Immunology, Asthma & Allergy and the first symposium of Skin symptoms in allergy and immunologic disease, shiraz, Iran. 26-29 October 2016 , **Oral Presentations (invited speaker)**
32. **Maryam Khoshkhui**, Farahzad Jabbari Azad, Reza Farid Hosseini, nazila ariaee. Common variable immunodeficiency Case with Pericardial Effusion. 2nd J Project congress. Antalya, Turkish. 2-5 March 2016. **Poster Presentations**
33. **Maryam Khoshkhui**, Cyclic neutropenia presenting with only recurrent ophtus stomatitis. 8th international conference of immunodeficiency disorders, Tehran. Iran. 23-25 April, 2016. **Oral Presentations(invited speaker).**
34. An interesting case of rhinitis. Abu dubai. MEAACI congress 2016. **Poster presentation**
35. CVID with pleural effusion. Antalya.J Project congress 2016. **poster presentation**
36. **Maryam Khoshkhui**, Comparison between serum level of IL35 in children with asthma and healthy children of 2-15 years old, The 10th biennial congress of Iranian socity of Asthma and Allergy, shiraz, Iran, 28-30 October, 2015 . **Oral Presentations**
37. An interesting case of attack asthma. International congress of allergy.Shiraz.2014, **Oral presentation**
38. Milk desensitization in a boy with sever anaphylaxy. International congress of asthma, allergy. Tehran.2014.**poster presentation**
39. A Probable case of ataxia –telangiectasia with haemolytic anemia. EAACI Congress 2013-Milan.Italy **poster presentation**

#### **Membership:**

- Member of Ga2len UCARE since 2018
- Member of American academy of asthma ,allergy and immunology
- Member of Iranian allergy and asthma Iranian allergy and asthma society
- Members of Allergy Research Center, Mashhad University of Medical Sciences

#### **Honors & Awards:**

- Third place in the country(Iran) at Clinical Immunology and allergy board exam (2014)

#### **Administrative Responsibilities:**

- Responsible of educations of allergy and clinical immunology fellows

- Editorial board of Journal of Rhinology-Otologies
- Editorial board of Journal of Ofogh
- Reviewer of Iranian Journal of Immunology
- Reviewer of Iranian Journal of Allergy Asthma and Immunology
- Reviewer of Iranian Journal of Otorhinolaryngology

#### **Innovation:**

- Launch of intralymphatic immunotherapy for the first time in Iran
- Collaboration with Global asthma allergy network (GA2LEN) for the first time in Iran and get approval of allergy research center as a member of GA2LEN 2019
- Launch of chronic urticaria registry in collaboration with international registry(CURE) for the first time in Iran

#### **Current Employment:**

- 2015- Assistant professor of allergy and clinical immunology Department, Ghaem Hospital, Mashhad, Iran
- 2010-pediatricist at Madar & Kudak hospital in Shiraz
- 2008-pediatricist at Imam bagher hospital-Ghir and karzin
- 2002-General practitioner at Shahid rajaie hospital-Gachsaran

#### **Other Skills:**

- Clinical management of asthma and allergic disease
- Allergy diagnostic test (Skin prick test, Allergy patch test, Food challenges)
- Spirometry
- Diagnosis of immunodeficiency
- Clinical trial Management

#### **Books:**

- Mojahedi M, Khokhkhui M, Derakhshan A, Mokberinezhad R, Yousefi Zh. Allergic Rhinitis (diagnosis and treatment Clinical guidance in Iran), 2020, Iranian Teb Publishers, Tehran, Iran.
- Moein M, Movahedi, Jabbari F, Gharegezloo, Farid-Hosseini R, Khoshkhui M. Allergy Book

#### **Reviewer:**

##### **Journals:**

- Iranian Journal of Allergy, Asthma and Immunology, 10 Paper, 2021
- The European Journal of Dermatology, 1 Paper, 2020
- The Journal of Patient and Safety, 2 Paper, 2020-now
- European Journal of Inflammation 1 paper 2022
- Expert Review of Respiratory Medicine 1 paper 2020
- Journal of Biomedical Research & Environmental Sciences 1 paper 2023

##### **Congress(Abstract reviewer):**

- 13th International Congress of Immunology and Allergy, 2016, Tabriz, Iran
- 3rd International Congress of Immunology, Asthma and Allergy, 2016, Mashhad, Iran

- 14th International Congress of Clinical Microbiology and The 3rd International Congress of Prevention Strategies in Infections Related to Patient Care, 2020, Mashhad, Iran.
- 4<sup>th</sup> GA2LEN Global Urticaria Forum, 2020, Berlin, Germany.
- 6<sup>th</sup> GA2LEN Global Urticaria Forum 2022, Berlin, Germany.
- 2020 American Academy of Asthma Allergy and Immunology(AAAAI) Annual Meeting
- 2023 American Academy of Asthma Allergy and Immunology (AAAAI) Annual Meeting

**Chair:**

3<sup>th</sup> GA2LEN Global Urticaria Forum 2020, Istanbul, G

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