

## Personal Records

Name: **Amin Solouki**

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Scholar Profile: <https://scholar.google.com/citations?user=yw6Z0QwAAAAJ>

Marital status: Married

Military service: Finished



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## Educational Records

### PhD

#### Laboratory Hematology and Transfusion Medicine

From: Shahid Beheshti University of Medical Sciences, Tehran, Iran.

Date: September 2022 – in progress (Second national rank in PhD exam)

### MSc

#### Hematology & Blood Banking

From: High Institute for Research and Education in Transfusion Medicine, Iranian Blood Transfusion Organization (IBTO), Tehran, Iran.

Date: September 2017 - June 2020

### BSc

#### Medical Laboratory Science

From: Gonabad University of Medical Sciences, Gonabad, Iran.

Date: 2010-2014

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## The specific field of study and research

*Platelet and Hemostasis*

*Platelet in regenerative medicine*

## **Teaching experience**

- ✓ *Laboratory hematology I for BSc students of medical laboratory sciences in Gonabad University of medical sciences (1392)*
  - ✓ *Laboratory hematology II for BSc students of medical laboratory sciences in Gonabad University of medical sciences (1392)*
  - ✓ *Applicable laboratory test in midwifery for BSc students of midwifery in Gonabad University of medical sciences (1392)*
  - ✓ *Hemovigilance workshop for hospital nurses in 22 Bahman hospital, Gonabad University of medical sciences (1395)*
  - ✓ *Hematology II and Laboratory hematology II for international BSc students of medical laboratory sciences in Varastegan Institute for Medical Sciences (1402)*
  - ✓ *Hematology II and Laboratory hematology II for BSc students of medical laboratory sciences in Varastegan Institute for Medical Sciences (1403)*
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## **Specific skills**

- ✓ *Laboratory Hematology and Transfusion Medicine specific techniques (peripheral blood & bone marrow smear examination, coagulation study, quality control, serologic test of blood bank, flow cytometry, cytochemistry, etc.)*
  - ✓ *Routine medical laboratory techniques (ELISA, Biochemistry, Serology, Electrophoresis, etc.)*
  - ✓ *Flow cytometry*
  - ✓ *Cell Culture*
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## Articles

1- Manoochehrabadi T, **Solouki A**, Majidi J, Khosravimelal S, Lotfi E, Lin K, Daryabari SH, Gholipourmalekabadi M. Silk biomaterials for corneal tissue engineering: From research approaches to therapeutic potentials; A review. *International Journal of Biological Macromolecules*. 2025 Feb 15;141039. (IF: 7.7)

2- Ghorbani M, Mahmoudi B, Khoshnegah Z, **Solouki A**, Javan MR, Zakeri A, Niazkar HR, Solouki AM. Can a Platelet Flag Prevent Misdiagnosis? A Report of a Patient's Two Different Platelet Counts by Two Different Cell-Counters. *Journal of Kerman University of Medical Sciences*. 2024 Mar 1;31(1):51-4.

3- Ghorbani M, **Solouki A**, Soltani F, Moayedpour A, Khoshnegah Z. The Importance of Pseudo Thrombocytopenia Due to Platelet Cold Agglutination before Surgery, What Should We Do? A Case Report. *Int J Hematol Oncol Stem Cell Res*. 2024 Jan 1;18(1):100-103. doi: 10.18502/ijhoscr.v18i1.14749. PMID: 38680709; PMCID: PMC11055417.

4- **Solouki A**, Manoochehrabadi T, Korani F, Farshchi M. Reporting two hemoglobin J Iran cases, molecular follow-up, or is it insignificant? *Caspian J Intern Med* 2023; 14 (3) :586-589 (IF: 0.8)

5- **Solouki, A.**, Korani, F., Ghorbani, M., Farshchi, M., Manoochehrabadi, T. Rare Alpha hemoglobinopathies in Kermanshah Reference Laboratory; Report of Cases Along with Diagnostic Tips. *Journal of Isfahan Medical School*, 2022; 40(686): 693-698. doi: 10.48305/jims. v40.i686.0693

6- Hosseini, E., **Solouki, A.**, Haghshenas, M. et al. Agitation-dependent biomechanical forces modulate GPVI receptor expression and platelet adhesion capacity during storage. *Thrombosis J* 20, 3 (2022). <https://doi.org/10.1186/s12959-021-00359-7> (IF:2.6)

7- Hosseini, E.; **Solouki, A.**; Roudsari, Z.O.; Kargar, F.; Ghasemzadeh, M. Reducing state attenuates ectodomain shedding of GPVI while restoring adhesion capacities of stored platelets: Evidence addressing the controversy around the effects of redox condition on thrombosis. *J. Thromb. Thrombolysis* 2020, 50, 123–134. (IF:2.3)

8- Afzalpour ME, Abtahi Eivari H, Rezazadeh A, **Solouki A.** Effect of Ziziphus jujuba Supplementation before One Session of Acute Resistance Exercise on the Serum Glutathione Peroxidase and Superoxide Dismutase Activity. *The Horizon of Medical Sciences*. 2015 Jul 15; 21(2):97-104.

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### Book in Persian

۱- مؤلفین: دکتر رضا احمدی، محمد خانی عشرت آبادی، مهسا لران اصفهانی، دکتر امین سلوکی، دکتر جمال مطلب زاده خانمیری، دکتر محمد قربانی؛ جنبه‌های تشخیصی، بالینی و درمانی کووید-۱۹ از دیدگاه هماتولوژی، انتشارات مرنديز با همکاری دانشگاه علوم پزشکی گناباد، نوبت چاپ: اول، تابستان ۱۴۰۳، شابک: ۹۷۸-۶۰۰-۱۰۶-۹۳۷-۶

۲- مترجمین: امین سلوکی، طاهره منوچهرآبادی و همکاران؛ درمان با تزریق پلاکت ( Platelet Transfusion Therapy)، انتشارات زهد با همکاری مرکز تحقیقات انتقال خون؛ مؤسسه عالی آموزشی و پژوهشی طب انتقال خون، نوبت چاپ: اول، تابستان ۹۹، شابک: ۹۷۸-۹۶۴-۲۷۴۰-۲۸-۴

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### Oral Presentation

**Title:** Occult HBV infection (OBI), a big challenge in blood transfusion, **As Invited Student Speaker**, *The First National Congress on Management and Control of Blood Born Infection*, October 2018, Mashhad, Iran

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### Panel Attending & reviewing papers

*As Presidium panel in the First National Congress on Management and Control of Blood Born Infection*, October 2018, Mashhad, Iran

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### Research Project

1- Amin Solouki, *Evaluation of the growth factors composition and the proliferative and angiogenic properties of lyophilized platelet rich plasma*, Shahid Beheshti University of Medical Sciences, (2024)

2- Amin Solouki, *Report two Hemoglobin J Iran cases, molecular follow-up, or is it insignificant?*, Gonabad University of medical Sciences, (2022)

3- *Amin Solouki, A report on uncommon alpha-hemoglobinopathies in Kermanshah Reference Laboratory and their importance; Case report, Gonabad University of medical Sciences, (2022)*

4- *Amin Solouki, The comparison of GPVI expression and platelet adhesion to collagen matrix in PRP-platelet stored under the conditions of continuous agitation and manual mixing, High Institute for Education and Research in Transfusion Medicine, (2019)*

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## **Poster Presentation**

1-**Title:** *Diffuse Large B cell lymphoma and Role of MicroRNAs in disease pathogenesis*  
*The 2nd International Congress of Hematology and Hematopathology May 2018, Shiraz, Iran*

2-**Title:** *Multiple Myeloma and chimeric antigen receptors (CARs) T cell therapy*  
*The 2nd International Congress of Hematology and Hematopathology May 2018, Shiraz, Iran*

3-**Title:** *Prognostic Factors in Multiple Myeloma*  
*The 2nd International Congress of Hematology and Hematopathology May 2018, Shiraz, Iran*

4-**Title:** *Multiple Myeloma and susceptibility to infection*  
*The 2nd International Congress of Hematology and Hematopathology May 2018, Shiraz, Iran*

5-**Title:** *Expired Platelet as a New Tool for Healing Diabetic Wounds*  
*1<sup>st</sup> International Iranian Tissue Engineering and Regenerative Medicine Congress (ITERM2018), July 2018, Tehran, Iran*

6-**Title:** *Immunotherapy approach for diffused large B cell lymphoma (DLBCL)*  
*3rd Biennial International Pediatric Oncology September 2018, Tehran, Iran*

**7-Title:** *Role of platelet-derived microparticles in the transfer of the chemokine receptor CXCR4 to CXCR4-negative cells.*

*XIVth Annual Asian Association of Transfusion Medicine (AATM) conference and the 4th Iran International Congress of Transfusion Medicine October 2018, Tehran, Iran*

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## **Work experiences**

*1- Military service in the hormone department of the clinical laboratory in Samen Al-A'emeh Hospital, Mashhad, Iran*

*2-Commitment Period as **Hematology & Blood Bank** department head, 22 Bahman Hospital, Gonabad, Iran*

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## **Interests**

### **Platelet & hemostasis**

*Laboratory Science*

*Hematology & blood banking*

*Molecular hematology*

*Leukemia & lymphoma*

*Bone Marrow Transplantation*

*Hematopoietic stem cell*

*Cancer Biology*

***Platelet and Hemostasis***

***Platelet in Regenerative Medicine***

***Regenerative Medicine***

*Mesenchymal stem cell*

*Cell Therapy*

*Chemotherapy & drug*