



## Fatemeh Roshanzamir

Email: [fatemelab@gmail.com](mailto:fatemelab@gmail.com)

### Education

---

- **PhD in laboratory Hematology & Transfusion Medicine** at Blood Transfusion Research Center, High Institute for Research and Education, Iran
  - **MSc in Hematology & Blood Bank** in Tehran University of Medical Science, 2012-2015
  - **BSc in Laboratory Science** in Shiraz University of Medical Science, 2004-2008
  - **High school** , Shiraz, Iran, Until 2004
- ❖ First position of Comprehensive Test
  - ❖ Member of the Asian Association of Transfusion Medicine (AATM)
  - ❖ Member of the Scientific Society of Iran Blood Transfusion

### Theses

---

- **PhD thesis:** Number and size of Red Blood Cell-derived extracellular micro-vesicles in red cell concentrates produced by different leukofiltration bags and methods based on Iranian Blood Transfusion Organization standards
- **MSc thesis:** Determination of genotype of factor 7 gene codons in Iranian patients with hereditary deficiency of FVII ( by Supervisory of Dr.Alizadeh)

### Publications

---

- “Evaluation of storage lesions in leukoreduced Red Blood Cell units manufactured through red cell- and whole blood filtration method”, Fatemeh Roshanzamir,

Sedigheh Amini-kafiabad. "Annual AATM Congress AND 3<sup>th</sup> JOINT AABB & AATM Congress". 2021

- **"The potential effect of leukocyte filtration methods on erythrocyte derived microvesicles: One step forward"**, , Fatemeh Roshanzamir, Sedigheh Amini-kafiabad, et al. "Eur J Transl Myol". 2022
- **"Diagnosis of factor XIII deficiency"**, Akbar Dorgalaleh, Shadi Tabibian, Maryam Sadat Hosseini, Yadollah Farshi, Fateme Roshanzamir. "Journal of Hematology",2016
- **"A review on the prenatal diagnosis methods of thalassemia"**, Alizadeh Sh, Hosseini M, Roshanzamir F. "Medical Lab News".2014 (article in Persian)
- **"Roll of MicroRNA in Hemostasis and Thrombosis"**, Alizadeh Sh, Hosseini M, Roshanzamir F. "Medical Lab News".2013 (article in Persian)
- **"A practical approach in laboratory diagnosis of Factor XIII deficiency"**, Dorgalaleh A., Tabibian Sh., Farshi Y., Hosseini M.S., Shams M., Tavasoli B., Shakouri M., Roshan Zamir F. "Iran Blood Transfusion Organ" 2017 (article in Persian)
- **"Laboratory approach & international standards in diagnosis of coagulation disorders (I)"**, Dorgalaleh A., Tabibian Sh., Farshi Y., Hosseini M.S., Roshan Zamir F. "Medical Lab News". 2014 (article in Persian)
- **"Laboratory approach & international standards in diagnosis of coagulation disorders (II)"**, Dorgalaleh A., Tabibian Sh., Farshi Y., Hosseini M.S., Roshan Zamir F. "Medical Lab News". 2014 (article in Persian)
- **"Laboratory approach & international standards in diagnosis of coagulation disorders (III)"**, Dorgalaleh A., Tabibian Sh., Farshi Y., Hosseini M.S., Roshan Zamir F. "Medical Lab News". 2014 (article in Persian)
- **"Reversal strategies for old and new anticoagulants"**, Roshanzamir F, 2014
- **"Factor X inhibiting anticoagulants"**, Alizadeh Sh, Roshanzamir F, 2014

- **“Factor II inhibiting anticoagulants”** , Alizadeh Sh, Roshanzamir F, 2014

## Books

---

- **“Congenital Bleeding Disorders”**, Fateme Roshanzamir, Akbar Dorgalaleh. Springer publication, 2018. ISBN 978-319-76722-2. <https://doi.org/10.1007/978-3-319-76723-9>
- **“Congenital Bleeding Disorders”**, Fateme Roshanzamir, Akbar Dorgalaleh. Springer publication, the second edition (under review).
- **“Thrombosis and Hemostasis”**, Fateme Roshanzamir, Akbar Dorgalaleh. Arvin Pazhoohan Noor, 2021. NBN: 8518748
- **“Hand book for cell culture basics”**, Roshanzamir F, Ansari. J, Mirzaee. V. In press [Translation to Persian]
- **“Technical Manual, 19<sup>th</sup> edition”**, Pourfathollah A, Roshanzamir F. Blood Transfusion Institute publication. Tehran, Iran. In progress [Translation to Persian] (Chapter in book)
- **“Ethical Issues in Transfusion Medicine and Cellular Therapies”**, maghsoud lue M, Roshanzamir F, Dadashi M. Blood Transfusion Institute publication. Tehran, Iran. In progress [Translation to Persian]

## Teaching experience

---

- Training in the Laboratory Science for undergraduate students for two years at HUMS (2010 – 2012)
- Hematology 3 for MSc students for 2 hours (practical, 0.05 unit)
- Immunohematology for MSc students for 2 hours (0.11 unit)
- Hematology 1 for MSc students for 3 hours (practical, 0.08 unit)

## Work experience

---

- 
- As a trainee in Iranian Blood Transfusion Organization for 9 months during PhD education.
- As an Employee in clinical laboratory for one year
- Supervisory support of laboratory in HUMS for two years
- As a trainee in oncology ward of Children Ali-asghar Hospital (Tehran) for 3 months in MSc period. (3 days a week)
- As a trainee in Hemophilia Center of Valiasr Hospital (Tehran) for 2 weeks in MSc period.
- As a trainee in laboratory wards of Shiraz Hospital for 5 months in BSc period.(every day)

## Thesis consultation

---

- تاثیر فرآیند تولید فرآورده پلاکت آفرزیس و پولد پلاکت کم لکوسیت حاصل از پلاسمای غنی از پلاکت و ذخیره سازی آنها بر تولید میکروپارتیکل های پلاکتی و فعالیت پلاکت ها. سمانه صادقی، صدیقه امینی کافی آباد، فاطمه روشن ضمیر. ۲۰۲۳

## Congress attendance

---

- Annual AATM Congress AND 3<sup>th</sup> JOINT AABB & AATM Congress". 2021
- Participated as an executive committee member of 6<sup>th</sup> International Congress of Laboratory & clinic
- Participated in the 6<sup>th</sup> International Congress of Laboratory & clinic
- Participated in the 5<sup>th</sup> International Congress of Laboratory & clinic

- Participated in the 7<sup>th</sup> International Congress & 12<sup>th</sup> National Congress on Quality Improvement in Clinical Laboratories
- Participated in the 6<sup>th</sup> International Congress & 11<sup>th</sup> National Congress on Quality Improvement in Clinical Laboratories
- Participated as an executive committee member of the 4<sup>th</sup> Iran International congress of Transfusion Medicine, XIV<sup>th</sup> Annual Association of Transfusion Medicine Conference
- Participated in the 2<sup>sd</sup> Iran congress of Thrombosis and Hemostasis

## **Workshop teaching**

---

- ENDNOTE workshop at Medical School, HUMS. 2023

## **Workshop attendance**

---

- The second virtual seminar of hospitals blood banks, 2021
- Primer design
- Flow cytometry
- Real Time PCR
- Blood group genotyping
- Management of serological problems due to warm auto/allo antibodies – technical and case review
- Proteins purification methods and formulation
- The first seminar of Flow cytometry (Clinical and Research)
- PBMNC Isolation and culture
- Scientific writing
- Scientific research (pubmed & scopus)
- Research study
- Statistic & SPSS
- End note
- Word & PowerPoint
- RRE

## **Educational lectures**

---

- Preparation, quality control and dispatching of RBC concentrates (3 session)
- Preparation, quality control and dispatching of plasma concentrates (2 session)
- Establishment of a perioperative blood salvage program (1 session)

