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I am interested in research in downstream of drug production such as purification of monoclonal antibodies and formulation of different types of biopharmaceuticals.

As my Ph.D. thesis I am working on purification and analysis of Trastuzumab.

Also, I am co-supervisor in the thesis of undergraduate students.

As a Pharm. D., I possess a profound interest in the creation of compounded topical creams and ointments in pharmacy.

## EDUCATION

<b>2021 – Present</b> <i>Tabriz - Iran</i>	Ph.D. student in Pharmaceutical Biotechnology department Tabriz University of Medical Science – Faculty of Pharmacy
<b>2015-2020</b> <i>Tabriz - Iran</i>	Doctor of pharmacy (Pharm.D.) Tabriz University of Medical Science – Faculty of Pharmacy
<b>2010-2014</b> <i>Khvoy - Iran</i>	Diploma in Farzanegan high school (Specified school for talented students (SAMPAD))

## WORK EXPERIENCE

<b>2021 -Present</b> Tabriz- Iran	Teacher assistant in Pharmaceutical biotechnology course to teach Electrophoresis, ELISA and calorimetric protein assay methods for pharmacy students in 2022-2023 (2 semesters).  Teacher assistant in Biological products courses to teach the stability of Biological products for pharmacy students in 2022-2023 (2 semester) .  Teaching NSAIDs in field apprenticeship training in pharmacy for pharmacy students in 2021-2023 (5 semester).
<b>Oct -June 2020</b> <i>Khvoy-Iran</i>	Responsible pharmacist (Azerbaijan pharmacy): I had various tasks such as examining drug prescriptions and Counseling the patient on how to take the medicine. Additionally, I was responsible to make combined skin formulations such as creams and ointments.

## Honors and Awards

- 1- Obtaining a GPA of 19.5 out of 20 as Diploma GPA (A<sup>+</sup>)
- 2- Obtaining a GPA of 17.6 out of 20 as Pharm. D. GPA.
- 3- 4<sup>th</sup> place in poetic contest provincial competition in Khvoy city in year 2013
- 4- 5<sup>th</sup> place in Chemistry provincial competition in Uremia city in year 2012

5- Obtaining grade A in 60 hours Pharmaceutical Biotechnology Master Class in 2022-2023

## **Trainings and workshops**

Trainings:

- 1) General lab skills (making solutions, buffers, ...)
- 2) Strong familiarity with protein characterization techniques such as electrophoresis (SDS-PAGE & Native-PAGE , Calorimetric assays, ...)
- 3) Experience in working with FPLC and HPLC chromatography (Agilent, Kenover and Waters) systems-related software.
- 4) Knowledge and experience in affinity chromatography, Ion-exchange chromatography, Size Exclusion chromatography and hydrophobic interaction chromatography.
- 5) Knowledge and experience in cell culture method
- 6) Familiarity with Bioassay methods such as MTT assay.

Workshops and webinars (attended):

- 1) Familiarity with HPLC workshop (Advanced) in 2021
- 2) Design and QA of pharmaceutical clean room workshop in 2022
- 3) Biosimilar medicine production workshop in 2022
- 4) GMP in cosmetic products workshop in 2022
- 5) The Pharmaceutical Biotechnology Master Class since June 2021 to May 2023
  - Cell culture on industrial scale
  - Familiarity with bioreactors and fermenters
  - Molecular biology of cell, protein synthesis and biochemistry of proteins
  - The production and development of biosimilar drugs in the pharmaceutical industry.
  - Biosimilars and recombinant protein products in the pharmaceutical industry
  - The process of filling and media fill
  - Familiarity with lyophilization and freeze drying process
  - Formulation principles of monoclonal antibodies and other protein products
  - The principles of protein purification and designing the purification process of protein products and monoclonal antibodies
  - Familiarity with the types of filters and filtration methods and working with FPLC
  - Familiarity with the GMP & PIC/S principles

## **LANGUAGES**

**Azerbaijani:** Mother tongue

**Persian:** Official Language (Native)

**English:** Intermediate, (score 65 out of 100 in Ministry of Health Language Examination)

**Turkish:** Fluent

**Arabic :** Preliminary

## **SOFTWARE AND SOFT SKILLS**

Time management, In training state of Project management, Multitasking, Team working

## **PUBLICATIONS**

Parvin Akbarzadehlaleh, **Elnaz Alsadat JafarzadehChehraghi**, Karim Shamsasanjan,  
Biopharmaceuticals: their stability and storage conditions, Razi Journal of Medical Sciences 2023, 11,  
33, 39 (In Persian)

## **Activities and Interests**

Swimming, Aerobics, Yoga and Pilates, Book and Poetry reading, Editing photos and videos