➢ Personal Details

- **Full name:** Shakila Behzadifar
- **Gender**: Female
- **Nationality:** Iranian
- **E-mail:** shakila.behzadifar@univ-lille.fr
- **LinkedIn:** http://linkedin.com/in/shakila-behzadifar-880a0b167
- **Scholar:** https://scholar.google.com/citations?user=5TDF1dQAAAAJ&hl=en&oi=ao
- **ORCID:** https://orcid.org/0000-0003-2504-4600
- **Interest**: Nanobiotechnology, Biosensors, Diabetic, Enzyme Assay, POC Devices, DNA nanotechnology, Drug delivery

➢ Education

- **2022-2025** **Ph.D. in Micro-nanosystems and sensors**
  Doctoral school: ENGSYS Sciences of Engineering and systems
  University of Lille
  Thesis subject: Development of an innovative nanocapsule for imaging the endocrine pancreas in diabetes.

- **2019-2021** **Master of Nanobiotechnology** **GPA: 18.92/20**
  Department of Life Science Engineering, University of Tehran
  Thesis topic: Development of nanobiosensor for detection of glucose-6-phosphate dehydrogenase enzyme using Ag nanoparticles
  Supervision: Dr. Javad Mohammadnejad, Prof. Morteza Hosseini

- **2016-2019** **Bachelor of cellular and molecular genetics** **GPA:17.04/20**
  Department of Biology, Shahid Bahonar University of Kerman

- **2011-2015** **Diploma in Mathematics and Biology**
  National Organization for Development of Exceptional Talents

➢ Publications

- **Journal articles**

1. **Behzadifar Shakila**, Hosseini M, Mohammadnejad J, Asiabanha M. A new colorimetric assay for sensitive detection of glucose-6-phosphate dehydrogenase deficiency based on silver nanoparticles. Nanotechnology. 2021 Nov 12;33(5):055502.

2. Pebdeni AB, Roshani A, Mirsadoughi E, **Behzadifar Shakila**, Hosseini M. Recent advances in optical biosensors for specific detection of E. coli bacteria in food and water. Food Control. 2022 Jan 12:108822.

3. **Behzadifar Shakila**, Pebdeni AB, Hosseini M, Mohammadnejad J. A new ratiometric fluorescent detection of Glucose-6-phosphate dehydrogenase enzyme based on dually emitting carbon dots and silver nanoparticles. Microchemical Journal. 2022 Nov 1; 182:107947.

4. **Behzadifar Shakila**, Barras A, Plaisance V, Pawlowski V, Szunerits S, Abderrahmani A, Boukherroub R. Polymer-Based Nanostructures for Pancreatic Beta-Cell Imaging and Non-Invasive Treatment of Diabetes. Pharmaceutics. 2023 Apr 11;15(4):1215.

➢ Research Experience

- **2017-2019** **Evaluation of the effect of Docetaxel chemotherapy on SP cell population in MCF-7 breast cancer cell line**

➢ Work Experience

- **Summer 2018** **Laboratory intern, Afzalipour Hospital**

Executed pre-birth tests for diagnosis of thalassemia by obtaining blood samples and using a thermocycler.

- **2020-2021** **lab operator, Institute of electrochemistry, University of Tehran**

Working with Ultraviolet–visible spectroscopy instrument & working with Fluorescence spectroscopy instrument.

➢ Honors

- **2021** Top student of Nanobiotechnology at the University of Tehran (First rank among 9 entries)
- **2019** Ranked within the top 0.2% among approximately 39.000 participants in Master's degree entrance exam from Iranian universities
- **2019** Top 10% in cellular and molecular genetics at Shahid Bahonar University of Kerman
- **2019** Completion of the bachelor's degree in 7 semesters
- **2018-present** Member of the Iranian Genetics Association
- **2017-2018** Author in the student biology journal of Shahid Bahonar University of Kerman

➢ Languages

- Persian (Native)
- English, IELTS Score = 6.5