# Maryam Karimian

## CLINICAL & RESEARCH LABORATORY SCIENTIST

Core Research Laboratory · Isfahan University of Medical Sciences · Isfahan, Iran

| Mobile | Office | Email |
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## PROFESSIONAL PROFILE

Clinical and research laboratory scientist with 27 years of professional experience in clinical diagnostic and research laboratory settings. Experienced in laboratory establishment and development, laboratory supervision, workflow coordination, and technical training. Brings hands-on expertise in flow cytometry, CHNSO elemental analysis, simultaneous thermal analysis (STA), microbial susceptibility testing, and cell culture techniques. Currently affiliated with the Core Research Laboratory at Isfahan University of Medical Sciences.

## PROFESSIONAL ACHIEVEMENTS

- Received an excellent performance rating in professional service evaluations.
- Contributed to the establishment and development of clinical diagnostic and research laboratories.
- Supported the development of research laboratory capabilities and improvements in laboratory coordination and efficiency.

## PROFESSIONAL EXPERIENCE

### Clinical Diagnostic Laboratory Specialist & Supervisor

*Clinical Diagnostic and Research Laboratory Settings*

- Accumulated 27 years of professional experience in clinical diagnostic and research laboratory settings.
- Participated in establishing and operating clinical diagnostic laboratories in Dizicheh, Ghahnavieh, and the laboratory at Mohammad Rasulullah Hospital.
- Served as a Laboratory Supervisor and Medical Laboratory Specialist at Noor and Ali-Asghar Hospital.
- Contributed to laboratory planning and coordination of internal activities to improve quality, workflow, and operational efficiency.
- Trained laboratory personnel participating in the mandatory service program in flow cytometry techniques and applications.
- Contributed to laboratory preparation and to the development and expansion of the Core Research Laboratory, Isfahan University of Medical Sciences.

### Laboratory Inspector

*Inspection Department, Isfahan University of Medical Sciences · Isfahan, Iran*

- Worked as a laboratory inspector within the university’s inspection department.

## EDUCATION

**Bachelor of Science (B.Sc.) in Medical Laboratory Sciences**
School of Medicine, Isfahan University of Medical Sciences · Isfahan, Iran

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**TECHNICAL EXPERTISE & PROFESSIONAL DEVELOPMENT**

## TECHNICAL SKILLS

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| **Flow Cytometry** | Experience operating flow cytometry instrumentation and familiarity with specialized applications; training of laboratory personnel; completion of specialized workshops. |
| **Elemental Analysis** | Technical experience operating CHNSO elemental analysis instruments. |
| **Thermal Analysis** | Technical experience operating simultaneous thermal analysis (STA) instruments. |
| **Clinical & Research Laboratory Methods** | Training in microbial susceptibility testing and selection of appropriate antibiotic panels; cell culture techniques, including passaging, freezing, thawing, seeding, and cell counting. |
| **Laboratory Coordination & Development** | Workflow improvement and operational efficiency; support for research laboratory capacity development; technical training and support for laboratory personnel. |

## RESEARCH EXPERIENCE

### Research Project: ACE2 Gene Polymorphism and COVID-19

Participated in a research project investigating the association between ACE2 gene polymorphism, increased blood pressure, and hydroxychloroquine resistance among patients with COVID-19 in Iran.

## PROFESSIONAL TRAINING & CERTIFICATES

- Specialized Workshop in Flow Cytometry.
- Specialized Workshop in Gas Chromatography–Mass Spectrometry (GC-MS).
- In-Service Training Certificate in Hemovigilance.
- In-Service Training Certificate in Microbial Susceptibility Testing and Selection of Appropriate Antibiotic Panels.
- In-Service Training Certificate in Animal Cell Culture Principles and Applications, including cell passaging, freezing, thawing, seeding, and counting.
- Participation in an Educational Webinar on Brucellosis Prevention and Control.