Valiallah Hosseininasab, Ph.D.

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Summary

A top researcher with keen interests to identify and solve most challenging technical and business problems across multiple sectors including chemical, material and life sciences. This, in-return, has led to significant positive impacts for academic and industrial partners including transformations on performance, sustainability, and customer services.

Education

Massachusetts Institute of Technology (MIT) **Cambridge, MA**
Postdoctoral Research Associate in Chemistry Focused on Material Science, Aug 2023
Area of focus: development of new chemical strategies to reduce the cost, energy and environmental impacts related to production of fine chemicals.
Accomplishments: 2 patents and 2 journal papers under development.

Georgetown University (GU) **Washington, DC**
Ph.D. in Chemistry, Aug 2021
Area of focus: extensive exploration of pathways gaseous molecules chemically interact with human biology, providing means to develop pharmaceuticals for the treatment of cardiovascular diseases.
Accomplishments: 3 first author and 1 co-author paper in high impact factor journals.

Sharif University of Technology (SUT) **Tehran, Iran**
Master of Science in Chemistry, Sep 2012

Experience – Senior Scientist/Engineer – R&D

Dupont (2023-present)
Project lead: led a comprehensive market and industry analysis to identify niche areas for growth to drive innovation and enable strategic improvements on the present Dupont (Liveo™) portfolio of specialty products. This was accomplished through top level technical expertise to develop winning and value-added products with revenues over 5 MM$.

Dow Chemical Incorporation – Industry Collaboration (2021-2023)
Project lead: led the design and development of advanced type of material (catalyst) that is used for production of valuable fine chemicals. As a potential replacement for traditional methods, this strategy lowers the cost and energy consumption by at least 20%.

Razi Vaccine and Serum Research Institute (RVSRI) (2010-2012)
Project lead: directed a team of scientists to develop an efficient technique to measure toxic pollutants in biological and water samples, establishing an in-house method which ultimately led to higher customer satisfaction.

Leadership

Safety Assessment Committee (SAC) leader, Dupont (2025)
Safety Assessment Committee (SAC) co-chair, Dupont (2024)
Team Coordinator for Outreach and Science-Show Events, GU
Managed a group of 20 graduate students between five different labs to organize outreach events for high school students. Communicated science across all levels of experience, attracting multiple students for summer internships in chemistry at GU.
Teaching Assistant, GU, Department of Chemistry (2015–2017)
Delivered general chemistry courses for more than 200 students during 4 semesters.

Honors and Awards

Michael T. Pope Award for Excellence in Inorganic Chemistry, GU (2021)
Outstanding Graduate Student Research Award, Georgetown University (2020)

Activities

Vocalist on Turkish classical music, financial and business books enthusiast, marathon runner.