



## Saber Hosseini

Department of chemistry

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### **BIOGRAPHICAL INFORMATION**

Born in Tehran, Iran, 11<sup>th</sup> of September, 1995

### **EDUCATION**

Sep. 2013 – July. 2018

**B.Sc.** in Chemistry

Department of Chemistry, Sharif University of Technology,  
Tehran, Iran.

Cumulative GPA: 14.07/20, or 3.00/4.00 (Approved by [WES](#))

Sep. 2009 – Sep. 2013

**High School** Degree

Shahid Beheshti School, Firuzkuh, Iran

Cumulative GPA: 17.41, or 4.00/4.00 (Ranked as the highest GPA in my school)

### **WORK AND TEACHING EXPERIENCE**

April. 2018 – Jun. 2018

Internship in Pars Minoo Industrial Company. ([www.minoogroup.com](http://www.minoogroup.com))

Sep. 2016 – Dec. 2017

Participated in Central Students' Guild Society of Sharif University of

|                       |  |
|-----------------------|--|
|                       | Technology.  |
| Jul. 2016 – Aug. 2016 | Participated in Students' Guild Society of Chemistry Department.   |
| Sep. 2014 – Jul. 2018 | Participated in Scientific Association of Chemistry Department.  |
| Jun. 2013 – Now       | Consultant for B.Sc. Nationwide Entrance Exam Participants.  |
| Jun. 2013 – Now       | Head of Preparation Exam of Ghalamchi Institution for B.Sc Nationwide Entrance Exam Participants. ( <a href="http://www.kanoon.ir">www.kanoon.ir</a> ) |
| Jun. 2013 – Now       | General and Private Tutoring in Chemistry, Physics, Math, English Language.  |

## **RESEARCH INTERESTS AND EXPERIENCES**

- Microplastics in the Environment: A review of Analytical Methods, Distribution, and Biological Effects
- Recent Technique Developments and Applications of Solid-State NMR in Characterization of Inorganic Materials
- High Resolution Mass Spectrometry for Characterization of Plant Natural Products
- An Overview of Approaches in Liquid Chromatography Flame Ionization Detection
- Organic Synthesis by Biocatalysts
- Creativity, Strategies, and Tactics in Organic Synthesis
- Pharmaceutical Organic Chemistry
- Applied Industrial Catalysis
- Synthesis of Inorganic Nano Materials
- Macromolecular Chemistry
- Modern Methods for Theoretical Physical Chemistry of Biopolymers
- Physical Chemistry of Solar Systems

## **HONORS AND AWARDS**

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|------|--|
| 2018 | Recognized as the Best Presenter in Scientific Writing and Presentation Class      |
| 2018 | Ranked in the Top 1% of Apprentices in the Pars Minoo Industry                     |
| 2018 | Exemplary Athlete among the Students of Chemistry Department                       |
| 2018 | Gold Medal in Nationwide Futsal Competitions amongst Sharif University Dormitories |
| 2017 | Ranked 3 <sup>rd</sup> in Sharif University's Volleyball amongst Departments       |
| 2013 | Ranked in the Top 0.5% in Nationwide B.Sc. Entrance of 500,000 Participants        |
| 2011 | Gold Medal in Nationwide Soccer Competitions amongst Firuzkuh's High Schools       |
| 2008 | Gold Medal in Nationwide Soccer Competitions amongst Firuzkuh's Pre-High Schools   |

## **CONFERENCE PRESENTATION**

- Discovery of Electron, Dr. Sirus Asgari- March. 2016
- Molecular Orbital Theory- Band Theory of Solids – Electron Effective Mass- Density of States, Dr. Sirus Asgari- May. 2016
- Synthesis and Characterization of Ag/PVA Nanomaterial by Chemical Reduction Method, Dr. Abbas Akbarzadeh- June 2017
- Resin Transfer Modeling Process, Dr. Gholamreza Pircheraghi- May 2017

## **LAB AND COMPUTER SKILLS**

- **FTIR**(Fourier-Transform Infrared Spectroscopy)
- **UV-VIS** (Ultraviolet-Visible Spectrometry)
- **Ion Chromatography**
- **HPLC** (High Performance Liquid Chromatography)
- **NMR** (Nuclear Magnetic Resonance Spectroscopy)
- **AES** (Atomic Emission Spectroscopy)
- **AFS** (Atomic Fluorescence Spectrometry)
- **GLC** (Gas-Liquid Chromatography) and **GSC** (Gas-Solid Chromatography)
- **GC-MS** ( Gas Chromatography-Mass Spectroscopy) and **LC-MS** (Liquid Chromatography-Mass Spectroscopy)
- **Programming** Python, C
- **MS Office** Word, Excel, PowerPoint

## **LANGUAGE**

- **Persian:** Native
- **English:** Proficient
- **Caspian:** Native

## **HOBBIES AND INTERESTS**

- **Sports** Ping-Pong, Volleyball, Basketball, Futsal, Soccer, Swimming
- **Hobbies** Reading Novels, Listening to Music, Cinema

## **REFERENCES**

Dr. Mohammad Reza Gholami, Professor, PhD ([gholami@sharif.edu](mailto:gholami@sharif.edu))

Dr. Reza Kia, Assistant Professor, PhD ([rkia@sharif.edu](mailto:rkia@sharif.edu))

Dr. Hadi Parastar, Assistant Professor, PhD ([h.parastar@sharif.edu](mailto:h.parastar@sharif.edu))

Dr. Shahrbanoo Rahman Setayesh, Instructor, PhD ([setayesh@sharif.edu](mailto:setayesh@sharif.edu))

