

Pouya Hosseini Yazdeli

Date of birth: 8 April 1989

Place of birth: Kashan, Isfahan, Iran

Marital Status: Single

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Education:

- ✚ M.Sc. in Analytical Chemistry at **Sharif University of Technology**, Ranking: The best University in Iran, Tehran, Iran. (www.sharif.ir) (2011-2013)
GPA: 17.48/ 20 (87.4/100)
- ✚ B.Sc. Applied Chemistry, **Kashan University**, Kashan, Isfahan, Iran. (www.kashanu.ac.ir) (2007-2011), **GPA: 17.63/20 (88.2/100)**, Ranking: Top 1st among 39
- ✚ Pre-University School Natural Science at Shahed, Kashan, Isfahan, Iran. (2006-2007)
GPA: 19.05/20 (95.2/100)
- ✚ High School Natural Science at Haj Mohammad Mohtashami, Isfahan, Kashan, Iran. (2003-2006)
GPA: 18.76/20 (93.8/100)

Some courses attended:

- ✚ Advanced Electroanalytical Chemistry
- ✚ Advanced Analytical Chemistry
- ✚ Advanced Inorganic Chemistry
- ✚ Advanced Organic Chemistry
- ✚ Separations Technics
- ✚ Trace Analysis
- ✚ Atomic Spectroscopy
- ✚ Molecular Spectroscopy
- ✚ Analytical Chemistry I&II
- ✚ Inorganic Chemistry I&II
- ✚ Organic Chemistry I&II&III
- ✚ Physical Chemistry I&II

Thesis:

- ✚ M.Sc. final project: "Preparation and application of carbon nanotube-polypyrrole modified electrode in electrochemical determination of mesalazine", under supervision of Prof. Saeed Shahrokhian. **(2011-2013)**
 - **Thesis score: 19.75/20**
- ✚ B.Sc. senior project: "Synthesis of Some New Schiff Bases with Sulfur Compounds", under supervision of Prof. Hossein Naeimi. **(04/2011-08/2011)**
 - **Thesis score: 20/20**

Publications:

Saeed Shahrokhian, Mahnaz Azimzadeh and Pouya Hosseini, "*Modification of a glassy carbon electrode with a bilayer of multiwalled carbon nanotube/benzene disulfonate-doped polypyrrole: application to sensitive voltammetric determination of olanzapine*", *RSC Adv.*, 2014, **4**, 40553-40560.

Saeed Shahrokhian, Pouya Hosseini and Zahra Kamalzadeh, "*Investigation of the Electrochemical Behavior of Mesalazine on the Surface of a Glassy Carbon Electrode Modified with CNT/PPY Doped by 1,5-Naphthalenedisulfonic Acid*", *Electroanalysis*, 2013, **25**, 11, 2481-2491.

Mahnaz Azimzadeh, Saeid Shahrokhian, Pouya Hosseini, "*A sensitive electrochemical sensor for determination of olanzapine based on glassy carbon electrode modified with polypyrrole/carbon nanotube composite*", **5th International Conference on Nanostructures (ICNS5) 6-9 March 2014, Kish Island, Iran.**

Mandana Lak and Pouya Hosseini, "*Cleanroom Disinfectant-Sterile Biocides and determining its bactericidal activity*", **8th Iranian congress of Clinical Microbiology 30 Sep-2 Oct 2014, Tabriz, Iran.**

Mandana Lak and Pouya Hosseini, "*Resistant of pathogenic bacteria to antibacterial compound of detergent*", **8th Iranian congress of Clinical Microbiology 30 Sep-2 Oct 2014, Tabriz, Iran.**

Pouya Hosseini, Saeed Shahrokhian and Zahra Kamalzadeh, "*Study of electrochemical behavior of Mesalazine and its electrochemical determination on the surface of glassy carbon electrode modified with CNT/PPY doped by 1,5-Naphthalenedisulfonic acid*", **19th Iranian Seminar of Analytical Chemistry (ISAC 19), 26-28 February 2013, Mashhad, Iran.**

Presentation:

- ✚ "**Fast Protein Liquid Chromatography (FPLC)**" Course Seminar of Separation, Tehran, Iran, Sharif University of Technology, April 2012.
- ✚ "**SBSE-TD-GC×GC-HRTOF-MS**" Course Seminar of Trace Analysis, Tehran, Iran, Sharif University of Technology, December 2012.
- ✚ "**Electrochemical SERS**" Course Seminar of Molecular Spectroscopy, Tehran, Iran, Sharif University of Technology, December 2012.
- ✚ "**Porosimetry**", Master Seminar, Tehran, Iran, Sharif University of Technology, September 2012.
- ✚ "**Sonoelectrochemistry**" Course Seminar of Advanced Electrochemistry, Tehran, Iran, Sharif University of Technology, April 2012.
- ✚ "**Glow Discharge**" Course Seminar of Atomic Spectroscopy, Tehran, Iran, Sharif University of Technology, May 2012.
- ✚ "**Electrospray Ionization (ESI)**" Course Seminar of Advanced Analytical Chemistry, Tehran, Iran, Sharif University of Technology, December 2011.

Academic Experience:

- ✚ **Teaching Assistant** in "**Analytical Chemistry laboratory for chemical engineering students**" at Sharif University of Technology, Tehran, Iran. (2012 September-2012 December)
- ✚ **Teaching Assistant** in a course in "**Analytical Chemistry laboratory for chemical students**" at Sharif University of Technology, Tehran, Iran. (2012 January-2012 May)

- ✚ **Director of Chemical Association** at Kashan University, Isfahan, Iran. (2009 September-2010 May).
- ✚ Attended the SCTAE didactic course Instrumental Analysis “**UV-IR-GC-HPLC**”, Sharif Center of technical Applied Education, Tehran, Iran. (May 2012)
- ✚ Attending a course on “**General Management Seminar**” Industrial Management Institute Consulting Education Research Tehran, Iran. (April 2013)
- ✚ Internship in Radin Gostar Company (representative of Hydropath Company in Iran) working on preventing corrosion and sedimentation in industry. (June-September 2011)

Work Experience:

- ✚ Arian Shimi Company, purification of engine oil and converting acidic waste to pitch project. (July 2010-September 2010)
- ✚ Teaching chemistry for high school students, taking part in International Chemistry Olympiad. (June-September 2012)
- ✚ Sepehr Afrooz Shimi Company, R&D department, to develop new materials for electroplate bath, and electrochemically studying electroplating quality and electroplate bath. (April-August 2013)
- ✚ Padideyeh Shimi Gharb Company as R&D supervisor (August 2013-September 2014); List of duties:
 - Setting up Q.C department for sulfonation part
 - R&D sulfonation
 - Fully familiar with sulfonation process (Ballestra line)
 - Fully familiar with powder production process
 - Studing and formulation of disinfectant solutions
 - Standardization of dioxane measurement by the use of GC
- ✚ Extraction of gold from gold electroplating bath in Onyx Company. (August-October 2013)

Membership:

- ✚ Undergraduate Scientific Association of Sharif University of Technology.
- ✚ Undergraduate Scientific Association of Kashan University.
- ✚ Membership in National Association of elites.

Other Professional Activities:

- ✚ Research assistant, analytical chemistry lab, department of chemistry, Sharif University of technology: synthesis of graphene & graphene oxide, decoration of silver nanoparticles on carbon nanofibers and its application in biological sensors, synthesis of Tributylphosphate.

Skills:

- ✚ **Instrumentation and technique:**
 - A digital pH/mV/Ion meter, Metrohm, pH Lab 827: Voltamperometric techniques such as cyclic voltammetry (CV), Differential pulse voltammetry (DPV) and etc.
 - Biologic SP-150: Voltamperometric techniques, Impedance Spectroscopy.

- Gas chromatography: Headspace.
- UV visible spectroscopy.
- Infrared (IR) spectroscopy.
- Karl fischer titrator.

Computer skills:

Programming: FORTRAN, Maple **General Software:** Microsoft Office, **OS:** *Microsoft Windows*, Photoshop,

Chemistry packages: Hyperchem, Chemdraw, Gaussian.



Language:

Persian: Mother Tongue, **English:** Fluent.

Hobbies and other activities:

Musical skills: Able to make music instruments, playing music (santoor, tar), Classical cinema, Poetry and Persian literature, Hiking, Taekwondo (Blue belt).

References:

-  Saeed Shahrokhian, Professor of Analytical chemistry, Department of chemistry, Sharif University of technology: Phone: +98-21-6005718 , Email: shahrokhian@sharif.edu
-  Habib Bagheri, Professor of Analytical chemistry, Department of chemistry, Sharif University of technology: Phone: +98-21-66165316, Email: bagheri@sharif.edu