

# Curriculum vitae

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1. **First Name:** Amir
2. **Family Name:** Azizi
3. **Birth Dtae:** 7/June/1979
4. **Gender:** Male
5. **Marital State:** Married
6. **Present Status:** Ph. D



7. **Present Address:**

Department of Applied Chemistry, Faculty of science, Arak University, Arak, Iran

E-mail: [amir.azizi1358@gmail.com](mailto:amir.azizi1358@gmail.com) and [zeaodin@yahoo.com](mailto:zeaodin@yahoo.com) Tell: [09188486827](tel:09188486827)

8. **Education:**

Ph. D (Applied Chemistry) Bu-Ali Sina University, Hamedan, Iran, average scores: 18.10 (2010-2015)  
M. Sc (Applied Chemistry) Islamic Azad University, Arak, Iran, average scores: 18.92 (2005-2007)  
B. Sc (Applied Chemistry) Islamic Azad University, Arak, Iran, average scores: 16.66 (1997-2001)

9. **Work Experience:**

Student Scholarships Ministry of Science, Research and Technology, Iran 2011-2014

10. **Interesting field of research:**

Photocatalytic treatment of water and west water pollutants, Bio sorption removal of water and west water pollutants, Phytochemistry.

11. **Awards:**

- i) Top Student in chemistry Department of Islamic Azad University, Arak, Iran at 2007. (The 1th rank among the 5 candidates in the graduate of M. Sc)
- ii) Top Student in chemistry Department of Islamic Azad University, Arak, Iran at 2001. (The 2th rank among the 30 candidates in the graduate of B. Sc)
- iii) Top Researcher in Since Faculty, Young researcher clup, of Islamic Azad University Arak, Iran at 2008.
- iv) Top Researcher in Sama Faculty of Islamic Azad University Arak, Iran at 2010.

12. **Familiar with following techniques:**

- i) External Reflection FT-IR spectroscopy
- ii) Uv/Visible spectroscopy

- iii) GC/Mass
- iv) XRD, XPS, EDS

### 13. Additional professional activities:

- i) Presenting “General Chemistry 1, 2”, “Fundamental of Computer” and “Industrial Chemistry” and Chemical Industries principles, courses for undergraduate students.
- ii) Presenting “Organic Chemistry, “Fundamental of water and wastewater treatment “Fundamental of Control Instrumentation and measurement”, “Analytical Chemistry” and “Machines for chemical industry” courses for Technician students.
- iii) Presenting “All of chemistry laboratory courses for undergraduate and technician students.

### 14. Membership to Scientific Associations

- i) Young Researchers Club of Islamic Azad University, Iran, 2003- 2011
- ii) The Elites Foundation Markazi Province, Iran, 2010-2012
- iii) Iranian Chemical Society, 2014- Continue
- iv) Young Researchers Club of Islamic Azad University, Iran, 2014- Continue

### 15. Attending in courses and workshops

- i) Training course on ISIRI/ISO-IEC 17025, Arak, Iran 13-17 January 2010, Organizers: Caliber Engineering Group+ Small Industrial Markazi Province.
- ii) Workshop on HSE in chemical laboratory Hamedan, Iran, 2011, Organizer: Bu-Ali Sina University.
- iii) Education and Training Skills, Najafabad, Iran, 2007, Organizer: Islamic Azad University, to 80 hours.
- iv) Retraining of Job Skills, Arak, Iran, 2008, Organizer: Islamic Azad University, to 20 hours.
- v) Correspondence Training and Ethics Training, Arak, Iran, 2007-2008, Organizer: Islamic Azad University, to 30 hours.
- vi) Course to Learn Computer Skills (ICDL), Arak, Iran, 2008, Organizer: vicar, Governor Training and Research Management of Markazi Province, to 130 hours.
- vii) Workshop on Instrumental analysis, Iran, 2015, Organizer: Chemiyagran emrouz Co, to 45 hours.
- viii) Course to Learn Skills Petroleum Product analysis (any type of oil, grease and Antifreeze), Iran, 2015, Organizer: Ghatran kaveh Co, to 40 hours.
- ix) Workshop on Meet databases, Hamedan, Iran, 2011, Organizer: Bu-Ali Sina University.
- x) Course to learn how to use the academic resources (Elsevier, Springer and Ebsco), Arak, Iran, 2015, Organizer: Islamic Azad University Arak Branch, to 16 hours.
- xi) Workshop on Meet Guide to Expression of Uncertainty in Measurement (GUM) and Eurachem/Citac Guide CG4 (EUM), Arak, Iran, 2016, Organizer: Institute of Standards and Industrial Research of Iran, to 8 hours.
- xii) Training course on ISIRI/ISO-IEC 17025, 2004, 14001, 9001, efqm and et., alborz, Iran, 2016, Organizer: Institute of Standards of Iran, over 200 hours.

## 16. Research projects

- i) Study on the Effect of the Herbicide (2-4-D) and Insecticide (Fenitrition) Using Mixture for Control and Decreasing of Population Weeds and Sunn Pests in Markazi Province, 2006, Activities as Scientific Collaborator, Sponsored Organization: Young Researcher Clup, Islamic Azad University.
- ii) Simultaneous Spectrophotometric Determination of Mercury and Paliadium with ThioMichler Ketone Using Partial Least Squares Regression and Orthogonal Signal Correction, Activities as Scientific Collaborator, Sponsored Organization: Young Researcher Clup, Islamic Azad University.

## 17. Publications

### i) Book

1. A. Azizi, Ab. Azizi, Meet Some Glossary and Terminology Paint Industry. Nevisande, 2015.

### ii) Attending in academic conferences (articles in conferences):

1. J. Saien, A. Azizi and A. R. Soleymani, Simultaneous Photocatalytic Elimination of Chromium (VI) and Nickel (II) Ions in Aqueous Suspensions of Titania Nanoparticles. The 8<sup>th</sup> International Chemical Engineering Congress & Exhibition (IChEC 2014), Kis h, Iran, 24-27 February, 2014.
2. J. Saien, A. Azizi and A. R. Soleymani, Photocatalytic Reduction of Ni(II) Ions Using Low Amounts of Titania Nanoparticles: RSM Modeling and Kinetic Study, The 6<sup>th</sup> National Chemical and Environmental Engineering Seminar (6NISChE 2013), Tabriz University, Iran, October, 2013.
3. A. Niazi, S. Mahmoudzadeh, V. Najafi and A. Azizi, Removal of Pb<sup>+2</sup> Ion Industrial Wastewater by Ulmus Syringa Vulgaris Tree Leaves, The 6<sup>th</sup> National Chemical and Environmental Engineering Seminar (6NISChE 2013), Tabriz University, Iran, 5-7 October, 2013.
4. A. Azizi, J. Saien, and J. Basiri Parsa, Equilibrium and Thermodynamic Study of Biosorption for Removal of Lead from Industrial wastewater Using Robinia Tree Leaves, The National Chemical and Chemical Engineering Conference, Islamic Azad University, Gachsaran, Iran, 2011.
5. A. Azizi, Ab. Azizi, Gh. Azizi and Sh. Zandi, Study on Antioxidant Activity of Tannins Extracted from Bark and Tan-Bark Queues Persica Fruit in Soybean Oil and Sunflower, The National Phytochemistry Conference, Islamic Azad University Qom, Iran, 2010.
6. A. Azizi, Ab. Azizi, Gh. Azizi and Sh. Zandi, Study on Antioxidant Activity of Salvia Multiculis Vahi in Sunflower Oil, 1<sup>th</sup> Regional Conference of Last Perspectives of Research in Chemistry and Nanotechnology, Islamic Azad University, Dorod, Iran, 25 February 2010.
7. A. Azizi, Ab. Azizi and Gh. Azizi, Essential Oils Composition and Antimicrobial Effects of Essential Oils and Methanol Extracts of Salvia Multicaulis, Vahi Against Xanthomonas

Translucens Pv. Cerealis, The Regional Conference of Last Perspectives of Research in Chemistry, Islamic Azad University, Rast, Iran, 2010.

8. A. Azizi and A. Niazi, Orthogonal Signal Correction- Partial Least Square Method for Simultaneous Spectrophotometric Determination, The National Computer in chemistry Conference, Islamic Azad University, Arak, Iran, 2009.
9. A. Azizi, Gh. Azizi, R. Vafai, Ab. Azizi and Sh. Khaghani, Study on the Effect of the Herbicide (2-4-D) and Insecticide (Fenitrition) Using Mixture for Control and Decreasing of Population Weeds and Sunn Pests in Markazi Province, 17 th Iranian Plant Protection Congress, 2-5 September 2006.
10. A. Azizi and J. Saien. Photocatalytic conversion of hexavalent chromium at conventional temperatures with low dosages of titania nanoparticles: Modeling, kinetic and energy consumption. The 7<sup>th</sup> National Chemical and Environmental Engineering Seminar (7NISChE 2015), Baghiatollah University, Iran, August, 2015.
11. A. Azizi and J. Saien .Simultaneous photocatalytic treatment of Cr(VI), Ni(II) and SDBS in aqueous solutions.  
The 7<sup>th</sup> National Chemical and Environmental Engineering Seminar (7NISChE 2015), Baghiatollah University, Iran, August, 2015.
12. Photocatalytic conversion of hexavalent chromium with low dosages of titania nanoparticles: RSM modeling, employing a new method in kinetic Study and energy consumption, Conference: International conference on engineering and applied sciences, At UAE-DUBAI, March, 2016

### **iii) List of Publications (articles in journals):**

1. J. Saien, A. Azizi, and A. R. Soleymani, Parameter Evaluation, Kinetics, and Energy Consumption for Cr(VI) Photocatalytic Reduction Under Mild Conditions, J IRAN CHEM SOC, 2014, (11): 1439-1448.
2. J. Saien, A. Azizi, and A. R. Soleymani , Optimized Photocatalytic Conversion of Ni(II) Ions with Very Low Titania Nanoparticles at Different Temperatures; Kinetics and Energy Consumption, SEP. PURIF. TECHNOL, 2014, (134): 187-195.
3. J. Saien and A. Azizi, Synergistic Elimination of Chromium (VI) and Nickel (II) Ions with Trace Amounts of Titania Photocatalyst Nanoparticles, ENVIRONMENTAL ENGINEERING MANAGEMENT AND JOURNAL, Accepted: 2014, In Press.
4. J. Saien and A. Azizi, Photocatalytic Reduction of Cr(VI) and Ni(II) Mixtures Coupled with Sodium Dodecyl Benzene Sulfonate Oxidation: Efficiency Enhancement, Kinetic and Energy consumption, PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, 2015, (95): 114-125.
5. A. Azizi, A. Niazi, S. Mahmoudzadeh and V. Najafi, QSAR Prediction of Aqueous Solubilities of Some Pharmaceutical Compounds by Chemometrics Method, PAK J CHEM, 2012, 2 (3): 1-5.

6. J. Saien, A. Azizi, and A. R. Soleymani Photocatalytic Reduction of Ni(II) ions Using Low Amounts of Titania Nanoparticles: RSM Modeling, Kinetic Study, IRANIAN JOURNAL OF TOXICOLOGY, 2014, Vol. 8 (26): 1136-1144.
7. A. Azizi, A. M. Azizi, Gh. Azizi, Sh. Zandi and Sh. Khaghani, Antioxidant Activity of Tannins Extracted from Bark and Tan-Bark of Quercus Persica Jaub & Spach Fruit in Soyben oils Sunflower, IRANIAN J MEDICIN AROMA PLAN, 2011, 27 (3): 397-406.
8. A. Azizi, A. M. Azizi and Gh. Azizi, Essential Oils Composition and Antimicrobial Effects of Essential Oils and Methanol Extracts of Salvia Multicaulis, Vahi Against Xanthomonas Translucens Pv. Cerealis, QUARTER J PLANT SCI RES, 2009, 15 (3): 39-49.
9. A. Niazi, A. Azizi and M. Ramezani, Simultaneous Spectrophotometric Determination of Mercury and Paliadium with Thio-Michler Ketone Using Partial Least Squares Regression and Orthogonal Signal Correction, SPECTROCHEMICA ACTA Part A; MOL BIOMOL SPECTROSC, 2008, 71, 1172-1177.
10. A. Niazi, and A. Azizi, Orthogonal Signal Correction- Partial Least Squares method for Simultaneous Spectrophotometric Determination of Nickle, Cobalt and Zinc, TURK J CHEM, 2008, 217-228.
11. A. Niazi, A. Azizi and R. Leardi, Acomparative Study Between PLS and OSC-PLS in the Simultaneous Determination of Lead and Mercury in Water Samples: Effect of Wavelength Selection, CANADIAN J ANALYTICAL SCI SPECTROSC, 2007, 52 (6): 365-374.
12. A. Azizi, Gh. Azizi and Ab. Azizi, The Essential Oils Composition Of Salvia Multicaulis Grown in Markazi Province, J BIOSCI, 2006, 2 (5): 33-37.
- 13..A. Azizi, Gh. Azizi and Ab. Azizi, Antimicrobial Effects of Essential Oils and Methanol Extracts of Salvia Multicaulis, Vahi Against Xanthomonas Translucens Pv. Cerealis, J BIOSCI, 2007, 2 (6): 37-47.  
39-49.
14. J. Saien, F. Ghamari, A. Azizi ,The role of counter-anions in photocatalytic reduction of Ni(II) with a trace amount of titania nanoparticles, J IRAN CHEM SOC, 2014· July 2016.