

Academic CV

EMPLOYMENT

Name: **Sadegh Khazalpour**
Assisct. Prof. of Analytical Chemistry

Department of Analytical Chemistry
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Bu-Ali Sina University
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EDUCATION

	<u>Year</u>	<u>University</u>
Ph.D.	2011-2015	Analytical chemistry, Bu-Ali Sina University, Hamadan, Iran
M.Sc	2009-2011	Analytical chemistry, Bu-Ali Sina University, Hamadan, Iran
B.Sc	2005-2009	Pure chemistry, Bu-Ali Sina University, Hamadan, Iran

CURRENT RESEARCH INTERESTS:

- ✓ **Electrochemical Synthesis**
- ✓ **Electrochemical Determination**
- ✓ **Industrial Electrochemistry**

HONORS & AWARDS:

- ✓ **Achieved the 3rd place and bronze medal in 2nd international scientific Olympiad (chemistry) competitions, July 15-17, 2009.**
- ✓ **Achieved the 6nd rank in Chemistry Nationwide Competitive M.Sc. Entrance Exam 2009 among 14437 participants in 9 fields (Analytical Chemistry, Organic Chemistry,**

Inorganic Chemistry, Physical Chemistry, Nanochemistry, Educational Chemistry, Polymer, Pharmaceutical Chemistry, Applied Chemistry, Phytochemistry and Petroleum).

- ✓ Membership of the National Elite Foundation, Iran.
- ✓ Membership of the Talent of Bu-Ali Sina University (2005-2009 among B.Sc.) with average of 19.21/20.
- ✓ Membership of the Talent of Bu-Ali Sina University (2009-2011 among M.Sc.) with average of 18.94/20.
- ✓ Membership of the Talent of Bu-Ali Sina University (2011-2015 among Ph.D.) with average of 19.19/20.
- ✓ Distinguished Student among B.Sc. chemistry students, Bu-Ali Sina University, Hamedan, Iran.
- ✓ Distinguished Student among M.Sc. chemistry students, Bu-Ali Sina University, Hamedan, Iran.
- ✓ Scholarship from National Elite Foundation of Iran in M.Sc. period.

Teaching experience:

BSc:

- General Chemistry I&II
- laboratory of General chemistry I
- Analytical Chemistry I
- laboratory of analytical chemistry I&II
- laboratory of instrumental analytical chemistry
- Industrial electrochemistry

PUBLICATIONS and PRESENTATIONS

-2016.....
1. [Mechanistic Study of Electrochemical Oxidation of 4-Morpholinoaniline in Aqueous Solution: Experimental and Theoretical Studies](#)
Hadi Beiginejad, Davood Nematollahi and Sadegh Khazalpour, *J. Electrochem. Soc.* 2016, 163(3), H234-H239.

2. [Product diversity by changing the electrode potential. Synthesis, kinetic evaluation and antibacterial activity of arylsulfonyl-4,4'- biphenol and bis-arylsulfonyl-4,4'-biphenol derivatives](#)

Davood Nematollahi, Maryam Baniardalan, Sadegh Khazalpour, Mohammad Reza Pajohi-Alamoti, *Electrochim. Acta* 2016, 191, 98–105.

3. [Electrochemical Study of 4-Nitroso-N,N-dimethylaniline in Nonaqueous Solvents](#)

Sadegh Khazalpour and Davood Nematollahi, *J. Electrochem. Soc.* 2016, 163(9), G133-G137.

.....2015.....

4. [Thermodynamic study of the electrochemical oxidation of some aminophenol derivatives: Experimental and theoretical investigation](#)

Hadi Beiginejad, Amene Amani, Davood Nematollahi and Sadegh Khazalpour, *Electrochim. Acta* 2015, 154, 235-243.

5. [Electrochemical synthesis of pillared layer mixed ligand metal–organic framework: DMOF-1-Zn](#)

Sadegh Khazalpour, Vahid Safarifard, Ali Morsali and Davood Nematollahi, *RSC Adv.*, 2015, 5, 36547-36551.

6. [Electrochemical and chemical synthesis of different types of sulfonamide derivatives of N,N-dimethyl-1,4-benzenediamine using 4-nitroso-N,N-dimethylaniline](#)

Sadegh Khazalpour and Davood Nematollahi, *Green Chem.*, 2015, 17, 3508-3514.

7. [A Green Approach for the Synthesis of Bis \(Substituted Sulfabenzamide\) para-Benzoquinone Based on the Reaction of Sulfabenzamide with Electrochemically Generated para-Benzoquinone and its antibacterial evaluation](#)

Sadegh Khazalpour, Davood Nematollahi and Mohammad Reza Pajohi-Alamoti, *New J Chem.*, 2015, 39, 6734-6737.

8. [A palladium–phosphine catalytic system as an active and recycable precatalyst for Suzuki coupling in water](#)

Seyyed Javad Sabounchei, Marjan Hosseinzadeh, Mohammad Panahimehr, Davood Nematollahi, Hamid Reza Khavasi, Sadegh Khazalpour, *Transition Met. Chem.*, 2015, 40, 657-663.

9. [Electroreductive nucleophile acceptor generation. Electrochemical synthesis of N-\(4-\(dimethylamino\)phenyl\)benzenesulfonamide](#)

Sadegh Khazalpour, Davood Nematollahi, Azizan Ahmad, Bahram Dowlati, *Electrochim. Acta* 2015, 180, 909-913.

10. [Thermodynamic and Electrochemical Oxidation of Some Diamine Derivatives: Experimental and Theoretical Investigation](#)

Hadi Beiginejad, Davood Nematollahi and Sadegh Khazalpour, *J. Electrochem. Soc.* 2015, 162(12), H877-H883.

.....2014.....

11. [A Green Electrochemical Method for the Synthesis of Acetaminophen Derivatives](#)

Davood Nematollahi, Shima Momeni, and Sadegh Khazalpour, *J. Electrochem. Soc.* 2014, 161(3), 75-78.

12. [Electrochemical study of Alamar Blue \(resazurin\) in aqueous solutions and room-temperature ionic liquid 1-butyl-3-methylimidazolium tetrafluoroborate at a glassy carbon electrode](#)

Sadegh Khazalpour and Davood Nematollahi, *RSC Adv.*, 2014, 4, 8431-8438.

13. [Different strategies in electrochemical synthesis of new mono and di-substituted hydroquinone and benzoquinone](#)

Davood Nematollahi, Shima Momeni and Sadegh Khazalpour, *Electrochim. Acta* 2014, 147, 310-318.

.....2013.....

14. [Electrochemical Oxidation of Acetaminophen and 4-\(Piperazin-1-yl\)phenols in the Presence of 4-Hydroxy-1-methyl-2\(1H\)-quinolone](#)

Amene Amani, Sadegh Khazalpour and Davood Nematollahi, *J. Electrochem. Soc.* 2013, 160(1), 33-40.

.....2012.....

15. Electrochemical Oxidation of 4-(Piperazin-1-yl)phenol in the Presence of Aryl Sulfinic Acids

Davood Nematollahi, Sadegh Khazalpour and Amene Amani, *J. Electrochem. Soc.* 2012, 159(4), 82-86.

16. Electrochemical oxidation of 4-(piperazin-1-yl)phenols in the presence of indole derivatives: The unique regioselectivity in the synthesis of highly conjugated bisindolyl-p-quinone derivatives

Amene Amani, Sadegh Khazalpour and Davood Nematollahi, *J. Electroanal. Chem.* 2012, 670, 36–41.

PAPER PRESENTED AT MEETINGS AND CONGRESSES

**

The 9th Iranian Biennial Electrochemistry Conference (9IBEC), Yazd University, Yazd, Iran, 22-24 January 2011.

1. Electrochemical study of resazurin at a glassy carbon electrode

Sadegh khazalpour, Davood Nematollahi, *The 9th Iranian Biennial Electrochemistry Conference (9IBEC) Yazd, Iran, 22-24 January, 2011.*

2. Electrochemical oxidation of 4-(piperazin-1-yl)phenol in the presence of arylsulfinic acids.

Synthesis of the new substituted piperazines

Sadegh khazalpour, Davood Nematollahi, *The 9th Iranian Biennial Electrochemistry Conference (9IBEC) Yazd, Iran, 22-24 January, 2011.*

**

The 7th Annual Seminar of Electrochemistry of Iran, K. N. Toosi University of Technology, Tehran, Iran, 9-10 November 2011.

3. One-Pot Synthesis of Highly Conjugated Symmetric Indole Derivatives: Based on Electrochemical Oxidation of 4-(piperazin-1-yl)phenol In the Presense of Two Nucleophiles

S. Khazalpour, D. Nematollahi, *The 7th Annual Seminar of Electrochemistry of Iran, K. N. Toosi University of Technology, Tehran, Iran, 9-10 November, 2011.*

**

The 10th Iranian Biennial Electrochemistry Seminar (IBES10), Razi University, Kermanshah, Iran, 17-19 July 2012.

4. Electrochemical Oxidation of Hydroquinone in the Presence of Arylsulfinic Acids

S. Khazalpour, Sh. Momeni, D. Nematollahi, *The 10th Iranian Biennial Electrochemistry Seminar, Razi University, Kermanshah, Iran, 17-19 July 2012.*

5. Electrochemical Synthesis of the New Substituted Acetaminophen

Sh. Momeni , S. Khazalpour, D. Nematollahi, *The 10th Iranian Biennial Electrochemistry Seminar, Razi University, Kermanshah, Iran, 17-19 July 2012.*

**

The 20th Iranian Analytical Chemistry Seminar, Isfahan University of Technology, Isfahan, Iran, 25-27 February 2014.

6. Electrochemical study of Haemalum in presence of Phosphate and EDTA

R.Mohamadnazari, S.Khazalpour, D.Nematollahi, *The 20th Iranian Analytical Chemistry Seminar, Isfahan University of Technology, Isfahan, Iran, 25-27 February 2014.*

7. Electrochemical oxidation of 4-(Piperazin-1-yl)phenols in aqueous and organic solvents

Ameneh Amani, Davood Nematollahi, Sadegh Khazalpour, *The 20th Iranian Analytical Chemistry Seminar, Isfahan University of Technology, Isfahan, Iran, 25-27 February 2014.*

8. Electrochemical oxidation of N,N-dialkyl-p-phenylenediamines in the presence of the coumarins

A. Dahpahlevan, S. Khazalpour, D. Nematollahi, *The 20th Iranian Analytical Chemistry Seminar, Isfahan University of Technology, Isfahan, Iran, 25-27 February 2014.*

9. Electrochemical Study of catechols in the presence of 4,6-Dimethyl-2-mercaptopyrimidine

A. Dahpahlevan, S. Khazalpour, D. Nematollahi, *The 20th Iranian Analytical Chemistry Seminar, Isfahan University of Technology, Isfahan, Iran, 25-27 February 2014.*

**

The 10th Annual Seminar of Electrochemistry of Iran, Iran University of science and Technology, Tehran, Iran, 26-27 November 2014.

10. Electrochemical oxidation of catechols in the presence of the cycloheptylamine and cyclopropylamine

D. Nematollahi, F. Ghasemi, S. Khazalpour, *The 10th Annual Seminar of Electrochemistry of Iran, Iran University of science and Technology, Tehran, Iran, 26-27 November 2014.*

11. Electrochemical Oxidation of 2,2'-Biphenol In The Presence of Arilsulfinic Acids

D. Nematollahi, F. puladi, S. Khazalpour, *The 10th Annual Seminar of Electrochemistry of Iran, Iran University of science and Technology, Tehran, Iran, 26-27 November 2014.*

12. Electrochmical oxidation of 4,4'-biphenol in the presence of Arylsulfinic Acids

D. Nematollahi, M. Baniardalan, S. Khazalpour, *The 10th Annual Seminar of Electrochemistry of Iran, Iran University of science and Technology, Tehran, Iran, 26-27 November 2014.*

13. Electrochemical study of 4-methylaminophenol in the presence of arylsulfinic acids: Synthesis of new sulfone derivatives of 4-methylaminophenol

D. Nematollahi, M. Ranjbar, S. Khazalpour, *The 10th Annual Seminar of Electrochemistry of Iran, Iran University of science and Technology, Tehran, Iran, 26-27 November 2014.*

**

The Asian Nano Forum Conference, 8-11 March, 2015- Kish Island, IR Iran.

14. Electrochemical synthesized of nano scale mixed-ligand Zn-organic framework

S. Khazalpour, V. Safarifard, A. Morsali, D. Nematollahi, *The Asian Nano Forum Conference, 8-11 March, 2015- Kish Island, IR Iran.*

**

The 11th Annual Seminar of Electrochemistry of Iran, Tarbiat Modares University, Tehran, 18-19 Nov, 2015.

15. Efficient Factors on the Hydrolysis Reaction Rate of Some Para-diamines Derivatives: Experimental and Theoretical Studies

Sadegh Khazalpour, Hadi Beiginejad*, Davood Nematollahi, *The 11th Annual Seminar of Electrochemistry of Iran, Tarbiat Modares University, Tehran, 18-19 Nov, 2015.*

16. Electrochemical oxidation of Naphthalene-2,3-diol at various condition: Experimental and theoretical investigation

Sadegh Khazalpour, Hadi Beiginejad*, Davood Nematollahi, *The 11th Annual Seminar of Electrochemistry of Iran, Tarbiat Modares University, Tehran, 18-19 Nov, 2015.*

**

The 23rd Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Tehran, 30 Aug-1 Sep. 2016.

17. Electrochemical Oxidation of Pyrocatechol in the Presence of 1-(2-thenoyl)-3,3,3-trifluoroacetone

S. Khazalpour, D. Nematollahi, *The 23rd Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Tehran, 30 Aug-1 Sep. 2016. p 100.*

18. Electrochemically Mediated Oxidation of Glutathione and N-Acetylcysteine with 4-(Piperazin-1-yl) Phenol

S. Khazalpour, D. Nematollahi, *The 23rd Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Tehran, 30 Aug-1 Sep. 2016. p 102.*

19. Electrochemical Oxidation of N-(2-hydroxyphenyl) acetamide in the Presence of Arylsulfinic Acids

D. Nematollahi, A. Shajari, S. Khazalpour, *The 23rd Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Tehran, 30 Aug-1 Sep. 2016. p 88.*

20. Electrochemical Oxidation of Piperazine in the Presence of Acetylacetone

D. Nematollahi, M. Joudaki, S. Khazalpour, *The 23rd Iranian Seminar of Analytical Chemistry, Sharif University of Technology, Tehran, 30 Aug-1 Sep. 2016. p 131.*