

Sadegh Khazalpour

CONTACT INFORMATION:

Department of Analytical Chemistry, Faculty of Chemistry,

[Bu-Ali Sina University](#), Hamadan, Iran.

Email: S.khazalpour@basu.ac.ir

Khazalpour@gmail.com



PERSONAL INFORMATION:

Date of Birth: 4 November 1986

Place of Birth: Hamedan

Citizenship: Iran

Marital Status: Married, My wife is Ph.D. of Analytical Chemistry (Electrochemistry)

EDUCATION:

✓ **2011-2015 Ph.D.:** Chemistry

Field: Analytical Chemistry

Department of Analytical Chemistry, Faculty of Chemistry, [Bu-Ali Sina University](#), Hamadan, Iran.

✓ **2009-2011 M.Sc.:** Chemistry

Field: Analytical Chemistry

Title: Electrochemical study of 4-(1-piperazino)phenol and resazurin.

Department of Analytical Chemistry, Faculty of Chemistry, [Bu-Ali Sina](#)

University, Hamadan, Iran.

✓ 2005-2009 B. Sc.: Chemistry

Department of Analytical Chemistry, Faculty of Chemistry, Bu-Ali Sina University,
Hamadan, Iran.

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.
- ✓ Schoralsip from National Elite Foundation of Iran in M.Sc. period.

CURRENT RESEARCH INTERESTS:

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

.....2012.....

1. [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.

2. [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.

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3. [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.

.....2014.....

4. [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.

5. [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.

6. [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.

7. [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.
8. [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.
9. [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.
10. [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.
11. [A palladium–phosphine catalytic system as an active and recyclable 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.
12. [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.

13. 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.

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 arylsulfonic 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, *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 Arylsulfonic 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. Electrochemical oxidation of 4,4'-biphenol in the presence of Arylsulfonic 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 arylsulfonic 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.*