

M. Reza Shishehbore CV

Assistant Professor,

Department of Chemistry, Yazd Branch, Islamic Azad University,

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Position: Assistant Professor (Yazd branch, Islamic Azad University, Yazd, IRAN).

Date of Birth: January, 14, 1969.

Nationality: Iranian

Marital Status: Married, one Kids

Education

2006-2011 Ph.D.: Chemistry

Field: Electrochemistry (Sensors)

Title: Investigation of electrochemical behavior and electro-catalytic effect of some of hydroquinone derivatives on nanomaterial modified bed.

Faculty of Basic Science, Department of Chemistry, Science and Research Branch, Islamic Azad University, Tehran, Iran

1993-95 M.Sc.: Chemistry

Field: Analytical Chemistry

Department of Chemistry, Tehran North Branch, Islamic Azad University, Tehran, Iran

1987-91 B. Sc.: Chemistry

Department of Chemistry, Yazd Branch, Islamic Azad University, Yazd, Iran

Honors & Awards

- 1. The best Researcher of the year award from Yazd Branch, Islamic Azad University, 2008.**
- 2. The best Researcher of the year award from Yazd Branch, Islamic Azad University, 2010.**
- 3. Top Professor of the year from Yazd Branch, Islamic Azad University, 2010.**

Industrial Innovation

- 1. Modification of production line of herbal distillates for solving the oil distillates.**

PROFESSIONAL EXPERIENCE:

- 1. September 2004 to January 2006: Head of Chemistry Department, Yazd Branch, Islamic Azad University, Yazd, Iran.**
- 2. March 1999-March 2005: Membership of the press Council, Yazd Branch, Islamic Azad University, Yazd, Iran.**
- 3. December 2013 to Mary 2014: Head of Chemistry Department, Yazd Branch, Islamic Azad University, Yazd, Iran.**
- 4 May 2014 to Jul 015: Director of Education, Yazd Branch, Islamic Azad University, Yazd, Iran.**

Teaching Experience (Sep., 1995-up to now)

Undergraduate

- 1. General Chemistry,**
- 2. Analytical Chemistry,**
- 3. Corrosion Engineering,**
- 4. How to use the chemical texts,**

5. Analytical Chemistry Lab.,
6. Instrumental Analysis Lab.,
7. Water Treatment Lab.

Graduate

1. Methodology of Research,
2. Molecular Spectroscopy,
3. Electrochemistry and Kinetic,
4. Advanced Electrochemistry,
5. Waste water Treatment.

Ph. D

1. New topics in analytical chemistry,
2. New methods in instrumental analysis,
3. Laser and its application in chemistry

Other Teaching Experience (Workshop Teaching)

1. Introduction of Nanotechnology Instruments (Bafq Branch. Islamic Azad University 2008)
2. Introduction of Nanotechnology Instruments (Yazd Science and Technology Park, 2009)
3. Introduction of Nanotechnology Instruments (Yazd Science and Technology Park, 2010)
4. Introduction of Nanotechnology Instruments (International congress of Nano Technology, Payam Noor University, Yazd -2010)
5. Introduction of Nanotechnology Instruments (Yazd Science and Research Branch, Yazd 2012)
6. Quality Control in Laboratory (Quality Control Forum, Yazd, 2011)
7. Good Laboratory Practice: Part One (GLP 1) (Yazd Branch, Islamic Azad University, Yazd, 2012)
7. Good Laboratory Practice: Part Two (GLP 2) (Yazd Branch, Islamic Azad University, Yazd, 2013)

Research Interests

1. Electrochemical Sensors.
2. Spectroscopic Methods of Analysis.

3. Environmental Trace Analysis.

4. Biological Trace Analysis.

Book Publication:

1. A Review on M. Sc. Questions, (ISBN: 964-92996-3-7) First Ed., 2001; Second Ed., 2002, Third Ed. 2003, Pardazeshgaran Institute, Tehran, Iran.

2. Pre-University Chemistry, (ISBN: 964-06-1024-0) First Ed., 2001; Yazd Branch, Islamic Azad University.

3. Inorganic Industrial Chemistry, (ISBN: 978-964-8798-338), (by Ehsan Mirparizi & M. Reza Shishehbore), First Ed., 2006; Nashre Arasteh, Qom, Iran,

Advised M. Sc. Students` Thesis

- Thirty five M. Sc. students graduated.

Consulting Advised of M. Sc. Students Thesis

- Thirty seven M. Sc. students graduated.

Published ISI Papers

(1) Spectrophotometric Determination of Trace Copper after Preconcentration with 1,5-Diphenylcarbazono on Microcrystalline Naphthalene

M.Reza. Shishehbore*, N. Nasirizadeh, A.M. Haji Shabani, M. Tabatabaee

Canadian Journal of Analytical Sciences and Spectroscopy, Volume 50, No. 3, **2005**, 103-134.

(2) Kinetic Determination of Thiocyanate on the Basis of Its Catalytic Effect on the Oxidation of Methylene blue with Potassium Bromate

M.Reza. Shishehbore*, N. Nasirizadeh, A.A. Kerdegari

Analytical Sciences, Volume 21, No. 10, **2005**, 1213-1216.

(3) Highly Selective Catalytic Spectrophotometric Method for the Determination of Nitrite

M. Mazloun Ardakani*, **M. Reza. Shishehbore**, N. Nasirzadeh, A. M. Hajishabani, M. Tabatabaee
Canadian Journal of Analytical Sciences and Spectroscopy, Volume 51, No. 3, **2006**, 117-124.

(4) Preconcentration of Copper with Dithizone-Naphthalene for Subsequent Determination by Atomic Absorption Spectrometry

A. M. Haji Shabania*, S. Dadfarniaa, N. Nasirzadehb, and **M. Reza. Shishehbore**
Journal of Analytical Chemistry, Volume 62, No. 1, **2007**, 46–50.

(5) Electrochemical Behavior of Nano-composite Containing 4-hydroxy-2-(triphenylphosphonio)phenolate and Multi-wall Carbon Nanotubes Spiked in Carbon Paste and Its Application for Electrocatalytic Oxidation of Hydrazine

Hamid R.Zare*, **M. Reza. Shishehbore**, Davood Nematollahi, Mohammad Saber-Tehrani
Sensors and Actuators B: Chemical, Volume 151, No. 1, **2010**, 153-161.

(6) Thallium Determination Using Catalytic Redox Reaction between Methylene blue and Ascorbic acid

M. Tabatabaee*, **M. Reza. Shishehbore**, H. Bagheri, Z. Ebrahimifard
International Journal of Environmental Science and Technology, Volume 7, No. 4, **2010**, 801-806.

(7) Kinetic Spectrophotometric Method for the Determination of Morphine in Biological Samples

A. Sheibani*, **M. Reza. Shishehbore**, E. Mirparizi
Spectrochimica Acta Part A, Volume 77, No. 2, **2010**, 535–538.

(8) Kinetic Spectrophotometric Determination of Iodide in Food Samples

M. Reza. Shishehbore*, A. Sheibani, R. Jokar
Analytical Sciences, Volume 26, No. 4, **2010**, 497–501.

(9) Highly Selective Catalytic Spectrophotometric Determination of Copper in Water Samples

H. Bagheri*, M. Tabatabaee, A.A. Kerdegari, M. Shahvazian, **M. Reza. Shishehbore**

Asian Journal of Chemistry, Volume 22, No. 1, **2010**, 661-668.

(10) A Simple Catalytic Kinetic Spectrophotometric Method for the Determination of Osmium in Wastewater Samples

M. Reza. Shishehbore*, H. Bagheri

Oriental Journal of Chemistry, Volume 26, No. 3, **2010**, 789-796.

(11) Kinetic Spectrophotometric Determination of Bromide in Clidinium-c Drug

Ali Sheibani*, **M. Reza. Shishehbore**, Zahra Tavakolian Ardakani

Chinese Chemical Letters, Volume 26, No. 5, **2011**, 595–598.

(12) Salicylic acid Functionalized Silica-Coated Magnetite Nanoparticles for Solid Phase Extraction and Preconcentration of Some Heavy Metal Ions from Various Real Samples

M Reza. Shishehbore*, Abbas Afkhami, Hasan Bagheri

Chemistry Central Journal, Volume 5, No. 1, **2011**, 41-50.

(13) A Kinetic Spectrophotometric Method for Vanadium(V) Determination in Food Samples using a Janus Green-bromate System

M. Reza Shishehbore*, Roohollah Jokar

Analytical Methods, Volume 3, No. 12, **2011**, 2815-2821.

(14) Kinetic Spectrophotometric Method as a New Strategy for the Determination of Vitamin B₉ in Pharmaceutical and Biological Samples

M. Reza Shishehbore*, A. Sheibani, A. Haghdoost

Spectrochimica Acta Part A, Volume 81, No. 1, **2011** 304– 307.

(15) Separation, Preconcentration and Speciation of Chromium by Solid Phase Extraction on Immobilised Ferron

Shayessteh Dadfarnia*, Ali Mohammad Haji Shabania, **M. Reza Shishehbor**, Kolsom Hosseini Cisakht

International Journal of Environmental Analytical Chemistry, Volume 91, No. 13, **2011**, 1320-1328.

(16) A Highly Sensitive and Selective Sensor on the Basis of 4-hydroxy-2-(triphenylphosphonio)phenolate and Multi-wall Carbon Nanotubes for Electro-catalytic Determination of Folic acid in Presence of Ascorbic acid and Uric acid

Hamid R. Zare*, M. Reza Shishehbore, Davood Nematollahi

Electrochimica Acta, Volume 58, No. 12, **2011**, 654–661.

(17) Electrochemical Characteristics and Electrocatalytic Activity of an Oxadiazole Derivative Multi-wall Carbon Nanotubes Modified Electrode as a Hydrazine sensor

Mohammad Saber-Tehrani, Hamid R. Zare, M. Reza Shishehbore*, Hamid Ahmar

Fresenius Environmental Bulletin, Volume 20, No 12a, **2011**, 3347-3355.

(18) Electrocatalytic Oxidation and Differential Pulse Voltammetric Determination of Hydroxylamine Using a 4-hydroxy-2-(triphenylphosphonio)phenolate Carbon Nanotubes Modified Electrode

M. Reza Shishehbore, Hamid R. Zare*, Davood Nematollahi, Mohammad Saber-Tehrani

Analytical Methods, Volume 3, No. 2, **2011**, 306-313.

(19) Electrocatalytic Determination of Morphine at the Surface of a Carbon Paste Electrode Spiked with a Hydroquinone Derivative and Carbon Nanotubes

M. Reza Shishehbore, Hamid R. Zare*, Davood Nematollahi

Journal of Electroanalytical Chemistry, Volume 665, No. 1, **2012**, 45-51.

(20) A New Kinetic Spectrophotometric Method for the Determination of Major Metabolite of Heroin in Biological Samples

M. Reza Shishehbore*, Ali Sheibani, Ehsan Mirparizi

Chinese Chemical Letters, Volume 23, No. 7, **2012** 611–614.

(21) Thionine-Bromate as a New Reaction System for Kinetic Spectrophotometric Determination of Hydrazine in Cooling Tower Water Sample

M. Reza Shishehbore*, Ali Sheibani, Masoumeh Eslami

Journal of Chemistry, Volume 2013, No. 9 **2013**, 1-5.

(22) Electrosynthesis of an Imidazole Derivative and Its Application as a Bi-functional Electrocatalyst for Simultaneous Determination of Ascorbic acid, Adrenaline, Acetaminophen and Tryptophan at a Multi Wall Carbon Nanotubes Modified Electrode Surface

N. Nasirizadeh*, Z. Shekari, Hamid R. Zare, **M. Reza Shishehbore**, Ali R. Fakhari, Hamid Ahmar

Biosensors and Bioelectronics, Volume 41, No. 5, **2013**, 608-614.

(23) Simultaneous Voltammetric Determination of Vitamine B₉ and B₁₂ Using a Hydroquinone Derivative Multi-wall Carbon Nanotubes Paste Electrode

M. Reza Shishehbore

Oriental Journal of Chemistry, Volume 29, No. 2, **2013**, 579-602.

(24) A Novel Kinetic Spectrophotometric Method for the Determination of Dopamine in Biological and Pharmaceutical Samples

M. Reza Shishehbore*, Adel Asgharpoor, N. Nasirizadeh

Journal of Chemistry, Volume 2013, No. 8 **2013**, 1-6.

(25) Adsorptive Removal of Thallium(III) ions from Aqueous Solutions Using Eucalyptus Leaves Powder

Hossein Dashti-Khavidaki*, Mehran Aghaie, **M. Reza Shishehbore**, Hossein Aghaie

Indian Journal of Chemical Technology, Volume 20, No. 11, **2013**, 380-384.

(26) A Highly Sensitive Kinetic Spectrophotometric Method for the Determination of Ascorbic acid in Pharmaceutical Samples

M. Reza Shishehbore*, Zahra Aghamiri

Iranian Journal of Pharmaceutical Research, Volume 20, No. 12, **2014**, 378-382.

(27) Nano-sawdust-OSO₃H as a New, Cheap and Effective Nanocatalyst for One-Pot Synthesis of Pyrano[2,3d]pyrimidines

B. Sadeghi*, M. Bouslik, **M. Reza Shishehbore**

Iranian Journal of Chemical Society, Volume 12, No. 12, **2015**, 1-8.

(28) A New Sensitive Sensor for Simultaneous Differential Pulse Voltammetric Determination of Codeine and Acetaminophen Using a Hydroquinone Derivative and Multiwall Carbon Nanotubes Carbon Paste Electrode

Elahe Garazhian, **M. Reza Shishehbore***

International Journal of Analytical Chemistry, Volume 2015, No. 4, **2015**, 1-11.

(29) A New Technique for Quantitative Determination of Dexamethasone in Pharmaceutical and Biological Samples Using Kinetic Spectrophotometric Method

Ali Mohammad Akhoundi-Khalafi, **M. Reza Shishehbore***

International Journal of Analytical Chemistry, Volume 2015, No. 1, **2015**, 1-6.

Papers in International Congress

(1) International Catalysis Conference, Beheshti University, Tehran, April 28-30, 2008, IRAN. **Two** papers.

(2) 12th EuCheMS International Conference on Chemistry and the environment, Stockholm University, June 14-17, 2009, Sweden, **Two** papers.

(3) 3rd International Color and Coating Congress, Institute for color science and technology, Tehran, November 16-18, 2009, IRAN. **Two** papers.

(4) The 60th Annual Meeting of the International Society of Electrochemistry, Beijing University, Beijing, August 16-21, 2009, China. **One** paper.

(5) 1st International Conference on Computation for Science and Technology, Chiang Mai University, August 4-6, 2010, Thailand. **Two** papers.

(6) International congress of nano science & nanotechnology, Kashan University, September 8-10, 2012, Iran, **One** paper.

Papers in National Meetings

(1) The Third Congress of Chemistry of Islamic Azad University in cooperation with Louis Pasteur University, Science and Research Branch, North Tehran and Central Branches, April 10 & 11, 2002, IRAN. **One** paper.

(2) 2nd Iranian Seminar of Chemistry and Environment, Isfahan University, Isfahan, January 27-29 2004, IRAN. **One** paper.

(3) 13th Irans Seminar of Analytical chemistry, Ferdowsi University, Mashhad, May 18-20, 2004, IRAN. **One** paper.

(1) The Third Congress of Chemistry of Islamic Azad University in cooperation with Louis Pasteur University, Science and Research Branch, North Tehran and Central Branches, April 10 & 11, 2002, IRAN. **One** paper.

(2) 2nd Iranian Seminar of Chemistry and Environment, Isfahan University, Isfahan, January 27-29 2004, IRAN. **One** paper.

(3) 13th Irans Seminar of Analytical chemistry, Ferdowsi University, Mashhad, May 18-20, 2004, IRAN. **One** paper.

(4) 3rd Iranian Seminar of Chemistry and Environment, Kurdistan University, Kurdistan, September 27-29, 2005, IRAN. **Two** papers.

(5) 14th Irans Seminar of Analytical Chemistry, Birjand University, Birjand, Agust 29-31, 2005, IRAN. **Two** papers.

(6) 15th Iranians Seminar of Analytical Chemistry, Shiraz University, Shiraz, March-February 27-1, 2007, IRAN. **One** paper.

(7) 7th Biennial Electrochemistry of Iran, Urrmia University, Urrmia, Agust 28-30, 2007, IRAN. **Two** papers.

(8) National Conference of Computer in Chemistry, Islamic Azad University, Arak Branch, November 12, 13, 2008, IRAN. **One** paper.

- (9) First Scientific Congress in Sciences and Dye Technology, Research Paint Institute of Ministry of Science, Research and Technology, March 3-5, 2009. **One** paper. **Top** paper.
- (10) 16th Iranian Seminar of Analytical Chemistry, Bu-Ali Sina University, Hamedan, July 28-30, 2009, IRAN. **Seven** papers.
- (11) 4th National seminar on Chemistry and Environment, Persian Gulf and Oman Sea Ecological Research Institute, April 27-28, 2010, IRAN. **One** paper.
- (12) 2nd Iranian Biennial Seminar of Chemometrics, Urmia University, Urmia, October 28-30, 2009, IRAN. **One** paper.
- (13) 17th Iranian Seminar of Analytical chemistry, Kashan University, Kashan, September 12-14, 2010, IRAN. **One** paper.
- (14) The 9th Iranian Biennial Electrochemistry Conference, Yazd University, Yazd, 22-24 January, 2011, IRAN. **Two** papers.
- (15) 15th Iranian Chemistry Congress, Bu-Ali Sina University, Hamedan, September 4-6, 2011, IRAN. **One** paper.
- (16) 19th Iranian Chemistry Congress, Ferdowsi University, Mashhad, February 8-10, 2013, IRAN. **Three** papers.
- (17) First national symposium of applied research on science and engineering, Takestan Branch, Islamic Azad University, Qazvin, April 25-26, 2013, IRAN. **Three** papers.
- (18) 16th Iranian Congress of Chemistry, Yazd University, Yazd, September 7-9, 2013, IRAN. **Two** Papers.
- (19) 20th Iranian Analytical Chemistry Conference, Isfahan University of Technology, Isfahan, Isfahan, February 25-27, 2014, IRAN. **Two** papers.
- (20) The First Congress of Iranian New Technologies, Approaches to achieve sustainable development solutions center, Electronic Conference, February 4, 2015. **Three** papers.