Personal Details

First Name	Hassan
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Date of Birth	March 21, 1982
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h-index=60 (Google Scholar Citations; CITATION 9150)

Education

- (2007-2011) **PhD in Analytical Chemistry**, Department of Chemistry, **Isfahan University of Technology,** Isfahan, Iran.

- (2004-2007) **Master of Analytical Chemistry**, Department of Chemistry**, Mazandaran University**, Mazandaran, Iran.

- (2000-2004) **Bachelor of Applied Chemistry**, Department of Chemistry, **Islamic Azad University,** Qaemshahr Branch, Iran.

- (2013-2016) As an **assistant Prof.** in Department of Nano-Chemistry, **Graduate University of Advanced Technology**, Kerman, Iran

- (From 2017) As an **assistant Prof.** in Department of Chemical Engineering in **Quchan University of Technology**, Quchan, Iran.

Research Interests:

- Nano sensor and bioelectrochemistry
- Surface chemistry and electrochemical sensors.
- Conductive polymers in electrochemistry.
- Modified electrodes in electrochemistry.
- Environmental chemistry
- Drug and food Analysis
- Synthesis of nanomaterials such as nanoparticles and nanocomposite.
- Analysis of food compounds
- DNA interaction with drug and environmental compounds
- Nanobiotechnology

- Drug delivery
- Removal of pollutants with using nanomaterials

Skills

Computer skills: Photoshop; Excel

Instruments: Potentiostat galvanostat systems; Uv-visible spectrophotometer, AFM

Publications (ISI)

Publication in 2007

1- J. B. Raoof, R. Ojani and **Hassan Karimi-Maleh**, Electrocatalytic Determination of Sulfite at the Surface of a New Ferrocene Derivative-Modified Carbon Paste Electrode. ***Int. J. Electrochem. Sci.****, 2 (2007) 257 – 269.*

Publication in 2008

2- J. B. Raoof, R. Ojani and **Hassan Karimi-Maleh** , Carbon Paste Electrode Incorporating 1-[4-(Ferrocenyl Ethynyl) Phenyl]-1-Ethanone for Electrocatalytic and Voltammetric Determination of Tryptophan. ***Electroanalysis***, 20 (2008) 1259-21262.

3- J. B. Raoof, R. Ojani and **Hassan Karimi-Maleh**, Voltammetric Determination of L-Cysteic Acid on a 1-[4-(Ferrocenyl-Ehynyl) Phenyl]-1-Ethanone Modified Carbon Paste Electrode. ***Bull. Chem. Soc. Ethiop***. 22 (2008) 173-182.

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5- E. Mirmomtaz, A.A. Ensafi and **Hasssan Karimi-Maleh,** Electrocatalytic Determination of 6-Tioguanine at a p-Aminophenol Modified Carbon Paste Electrode. ***Electroanalysis*** 20 (2008) 1973 – 1979.

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7- M. A. Khalilzadeh, F. Khaleghi, F. Gholami, and **Hassan Karimi-Maleh,** Electrocatalytic Determination of Ampicillin Using Carbon-Paste Electrode Modified with Ferrocendicarboxylic Acid**,** ***Analytical Letters,*** 42: 584–599, 2009.

8- **Hassan Karimi-Maleh,** A.A. Ensafi, H.R. Ensafi, Ferrocenedicarboxylic Acid Modified Carbon Paste Electrode: A Sensor for Electrocatalytic Determination of Hydrochlorothiazide**.** ***J. Braz. Chem. Soc***., 20 (2009) 880-887.

9- H. Yaghoubian, **Hassan Karimi-Maleh**, M.A. Khalilzadeh, Fatemeh Karimi, Electrocatalytic Oxidation of Levodopa at a Ferrocene Modified Carbon Nanotube Paste Electrode. ***Int. J. Electrochem. Sci.,*** 4 (2009) 993 – 1003.

10- F. Khaleghi, M. A. Khalilzadeh, J.B. Raoof, M. Tajbakhsh, **Hassan Karimi-Maleh** Electrochemical oxidation of catechol in the presence of an aromatic amine in aqueous media. ***J. Appl. Electrochem.*** 39 (2009) 1651–1654.

11- J. B. Raoof, R. Ojani, **H. Karimi-Maleh,** Electrocatalytic oxidation of glutathione at carbon paste electrode modified with 2,7-bis (ferrocenyl ethyl) fluoren-9-one: application as a voltammetric sensor, ***J.Appl. Electrochem.*** 39 (2009)1169–1175.

12- H. Yaghoubian, **Hassan Karimi-Maleh**, M.A. Khalilzadeh, Fatemeh Karimi, Electrochemical Detection of Carbidopa Using Ferrocene-Modified Carbon Nanotube Paste Electrode. ***J. Serb. Chem. Soc.,*** 74 (2009) 1443-1453.

Publication in 2010

13- M.A. Khalilzadeh, **Hassan Karimi-Maleh,** Sensitive and Selective Determination of Phenylhydrazine in the Presence of Hydrazine at a Ferrocene Monocarboxylic Acid Modified Carbon Nanotube Paste Electrode, ***Analytical Letters***, 43 (2010) 186-196.

14- **Hassan Karimi-Maleh**, A. A. Ensafi, A.R. Allafchian, Fast and sensitive determination of captopril by voltammetric method using ferrocenedicarboxylic acid modified carbon paste electrode***. J. Solid State Electrochem.*** 14 (2010) 9–15.

15- Ali A. Ensafi, M. Taei, T. Khayamian, **Hassan Karimi-Maleh**, F. Hasanpour, Voltammetric measurement of trace amount of glutathione using multiwall carbon nanotubes as a sensor and chlorpromazine as a mediator. ***J. Solid State Electrochem***. 14 (2010) 1415-1423.

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17. Ali A. Ensafi, A. Arabzadeh, T. Khayamian, **H. Karimi-Maleh**, Simultaneous determination of dopamine and uric acid by electrocatalytic oxidation on a carbon paste electrode using pyrogallol red as a mediator. ***Analytical Leters.*** 43 (2010) 1976-1988.

18. Ali A. Ensafi and **H. Karimi-Maleh**, Modified multiwall carbon nanotubes paste electrode as a sensor for simultaneous determination of 6-thioguanine and folic acid using ferrocenedicarboxylic acid as a mediator, ***J. Electroanal. Chem.*** 640 (2010) 75-83.

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of Carbidopa, Folic Acid , and Tryptophan, ***Journal Analytical Methods in Chemistry,*** Volume 2012, Article ID 305872, 8 pages, doi:10.1155/2012/305872.

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178. Asma Bananezhad, **Hassan Karimi-Maleh**, Mohammad R. Ganjali and Parviz Norouzi, MnO2-TiO2 Nanocomposite and 2-(3,4-Dihydroxyphenethyl) Isoindoline-1,3-Dione as an Electrochemical Platform for the Concurrent Determination of Cysteine, Tryptophan and Uric Acid. ***Electroanalysis*** 2018, 30, 1767-1773

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180. Hassan Karimi-Maleh, Fatemeh Karimi, Abdollah FallahShojaei, Khalil Tabatabaeian, Mohammad Arshadi and Morteza Rezapour, Metal-based Nanoparticles as Conductive Mediators in Electrochemical Sensors: ***A Mini Review***, ***Current Analytical Chemistry, 2018, 14, Inpress.***

181. Yousef Akbarian, Mehdi Shabani-Nooshabadi, Hassan Karimi-Maleh, Fabrication of a new electrocatalytic sensor for determination of diclofenac, morphine and mefenamic acid using synergic effect of NiO-SWCNT and 2, 4-dimethyl-N/-[1- (2, 3-dihydroxy phenyl) methylidene] aniline. **Sensors & Actuators: B. Chemical** 273 (2018) 228–233

182. Fahimeh Tahernejad-Javazmi, Mehdi Shabani-Nooshabadi, Hassan Karimi-Maleh, Hossein Naeimi, Square wave voltammetric determination of hydrazine and 4-chlorophenol as two important water pollutants sing nanostructure-amplified sensor, ***Res Chem Intermed. 2018;*** https://doi.org/10.1007/s11164-018-3429-6

183. Atefe Mohammadian, Mahmoud Ebrahimi, Hassan Karimi-Maleh, Synergic effect of 2D nitrogen doped reduced graphene nano-sheet and ionic liquid as a new approach for fabrication of anticancer drug sensor in analysis of doxorubicin and topotecan, ***Journal of Molecular Liquids*** 265 (2018) 727–732

184. Ali Samadzadeh, Iran Sheikhshoaie and Hassan Karimi-Maleh, Simultaneous Determination of Epinephrine and Tyrosine Using a Glassy Carbon Electrode Amplified with ZnO-Pt/CNTs Nanocomposite, ***Current Analytical Chemistry***, 2018, 14, 000-000

185. Firuzeh Hosseini, Mahmoud Ebrahimi and Hassan Karimi-Maleh, Electrochemical Determination of Mycophenolate Mofetil in Drug Samples Using Carbon Paste Electrode Modified with 1-methyl-3-butylimidazolium Bromide and NiO/SWCNTs Nanocomposite, ***Current Analytical Chemistry,*** 2018, 14, 000-000

186. Vinod Kumar Gupta, Hassan Karimi-Maleh, Shilpi Agarwal, Fatemeh Karimi, Majede Bijad, Mohammad Farsi, Seyed-Ahmad Shahidi, Fabrication of a Food Nano-Platform Sensor for Determination of Vanillin in Food Samples, ***Sensors*** 2018, 18, 2817; doi:10.3390/s18092817

187. Firuzeh Hosseini, Mahmoud Ebrahimi, and Hassan Karimi-Maleh, An amplified sensor based on improved carbon paste electrode with 1,3-Dipropylimidazolium Bromide and MgO/SWCNTs Nanocomposite for tradamol determination. ***Int. J. Electrochem. Sci.,*** 13 (2018) 4923 – 4932,

188. Hassan Karimi-Maleh, Iran Sheikhshoaie and Ali Samadzadeh, Simultaneous electrochemical determination of levodopa and piroxicam using a glassy carbon electrode modified with a ZnO–Pd/CNT nanocomposite. RSC Adv., 2018, 8, 26707–26712.

189.

Published papers (ISC)

1-سرونازکوهی، محمد علی خلیل زاده، **حسن کریمی مله**، طراحی یک حسگر نانوساختار اصلاح شده برای آنالیز بوتیل هیدروگسی تولوئن بعنوان یک آنتی اکسیدانت در نمونه های غذایی، مجله علمی- پژوهشی شیمی کاربردی، سال دوازدهم، شماره 44 پاییز 96، صفحات 241-251

2- Hesam Asari-Bami, Mohammad A. Khalilzadeh and **Hassan Karimi-Maleh**, Electrochemical Determination of Tert-butylhydroxyanisole uses Carbon Paste Electrode Modified with Ionic Liquid and CdO Nanoparticle, Anal. Bioanal. Electrochem., Vol. 8, No. 8, 2016, 1033-1043.

3-Afsaneh L. Sanati, **Hassan Karimi-Maleh**, Maryam Abbasghorbani, Synthesis of NiO nanoparticle and application of its in the preparation of electrochemical sensor for voltammetric determination of Nalbuphine, Journal of Applied Chemistry 9 (2015) 35-40.

4- رضا مرادی،هادی عربی، **حسن کریمی مله**،ساخت و شناسایی نانوذرات اکسید روی با مورفولوژی‌های متفاوت و خواص ساختاری آنها، مجله علمی- پژوهشی شیمی کاربردی، سال نهم، شماره 31 تابستان 93، صفحات 101-112

5- Maryam Najafi, Majede Bijad, Afsaneh Lal Sanati, Fatemeh Karimi, Mohammad Ali Khalilzadeh, and **Hassan Karimi-Maleh**, Square wave voltammetric determination of ascorbic acid in food and pharmaceutical samples using a novel room temperature ionic liquid ZnO nanoparticles carbon paste electrode, Journal of Applied Chemistry 7 (2013) 69-76.

5-سید کمال شیردل، علی پهلوان، رویا صادقی، **حسن کریمی مله**، سنتز نانوذره اکسید کادمیم به روش رسوب دهی مستقیم و بررسی تاثیر آن بر کاهش مقاومت انتقال الکترون در سیستم های مبادله الکترون، مجله علمی- پژوهشی شیمی کاربردی، سال هفتم، شماره 22 بهار91، صفحات 49-55

6- سرونازکوهی، محمد علی خلیل زاده، حسن کریمی مله، طراحی یک حسگر نانوساختار اصلاح شده برای آنالیز بوتیل هیدروگسی تولوئن بعنوان یک آنتی اکسیدانت در نمونه های غذایی. مجله شیمی کاربردی سمنان، سال دوازدهم، 1396، صفحه 241

Conference papers:

1- 7th Iranian biochemical and biophysical conference (ISOBC), Tabriz University, Tabriz, Iran, (2006), as: *Electrocaalytic oxidation of L-cysteic acid at as surface of carbon paste electrode modified with anew ferrocene derivative.*

2- 15th Iranian Seminar of Analytical Chemistry (ISAC), Shiraz University, Shiraz, Iran, 27 February-March 1, 2007, as: *Electrocatalytic determination of sulfite at a surface of a new ferrocene derivative-modified carbon paste electrode*

3- 7 th Iranian Electrochemistry seminar, Oromie University, Oromie, Iran, 2007, as: *Electrocatalytic determination of sulfite in real sample using 2,7-bis(ferrocenyl ethyl) fluoren-9-one modified caron paste electrode*

4- 7 th Iranian Electrochemistry seminar, Oromie University, Oromie, Iran, 2007, as: *Voltammetric determination of glutathione at the surface of 2,7, bis(ferrocenyl ethyl)fluoren-9-one modified carbon paste electrode.*

5- 7 th Iranian Electrochemistry seminar, Oromie University, Oromie, Iran, 2007, as: *Application of 2,7-bis (ferrocenyl ethyl)fluoren-9-one modified carbon paste electrode foe determination of some compounds.*

6- 7 th Iranian Electrochemistry seminar, Oromie University, Oromie, Iran, 2007, as: *Elecrocatalytic determination of hydrazine in weak liquor at the surface of carbon paste modified electrode.*

7- International catalysis conference (ICC 2008), Shahid Beheshti University, Tehran, Iran, (28-30 April 2008), as: *Electrocatalytic determination of ampicillin using carbon paste electrode modified with ferrocenedicarboxylic acid.*

8- International catalysis conference (ICC 2008), Shahid Beheshti University, Tehran, Iran, (28-30 April 2008), as: *Electrocatalytic determination of captopril at a surface of ferrocene-derivative modified carbon paste electrode*

9- International catalysis conference (ICC 2008), Shahid Beheshti University, Tehran, Iran, (28-30 April 2008), as: *Electrochemical evaluation of ferrocenedicarboxylic acid carbon paste electrode: study on its application as a glutathione biosensore in presence of tryptophan.*

10- 12th Asian chemical congress (12ACC), Kuala Lumpur, Malaysia (August 25, 2007), as: *Electrocatalytic determination of tryptophan at the surface of 1-[4-(ferrocenyl ethynyl) phenyl]-1-ethanone modified carbon paste electrode*

11- 5th Electrochemical Society of Iran (ECSI 2009),Tarbiat Modarres University, Tehran, Iran, 6-7 May,2009, as: *Study of electrochemical behaviour some novel shiff-base manganese (III) complex covalently linked on 3-aminopropyl triethoxy silane functionalized SiO_2-Al_2O_3 at a surface of carbon nanotube paste electrode.*

12- Electrochemical Society of Iran (ECSI 2009),Tarbiat Modarres University, Tehran, Iran, 6-7 May,2009, as: *Voltammetric determination of hydrochlorothiazide using ferrocenedicarboxylic acid modified carbon paste electrode.*

13- Electrochemical Society of Iran (ECSI 2009),Tarbiat Modarres University, Tehran, Iran, 6-7 May,2009, as: *Electrocatalytic determination of L-cysteine at vinylferrocene modified carbon nanotube paste electrode.*

14. 15th Iranian Seminar of Analytical Chemistry (ISAC), Boalisina University, Hamadan, Iran, (2009), as: *Modified multi-wall carbon nanotube as a sensor for determination of sulfite using ferrocenedicarboxylic acid as a mediator.*

15. Nano tech Malaysia 2009, October 27-29, 2009, Kuala Lumpur, as: *Multi-wall carbon nanotubes-TiO_2-ferrocenedicarboxylic acid as a mediator for simultaneous determination of 6-thioguanine and folic acid*

16. Nanotech Malaysia 2009, October 27-29, 2009, Kuala Lumpur, as: *A nanosensor based on modified multi-wall carbon nanotubes-TiO_2 for determination of 6-mercaptopurine in presence of uric acid using p-aminophenol as a mediator*

17. 6th Iranian electrochemical conference, October 8-11, 2010, Kish, Iran as: *Nanomolar determination of 6-mercaptopurine in presence of uric acid using voltammeric methods*

18. 6th Iranian electrochemical conference, October 8-11, 2010, Kish, Iran as: *Synthesis and electrochemical study of new catechol using nanotubes paste electrode*

19. 6th Iranian electrochemical conference, October 8-11, 2010, Kish, Iran as: *Electrochemical study of novel optically active polymers containing phenolic pendant unit*

20. 6th Iranian electrochemical conference, October 8-11, 2010, Kish, Iran as: *Determination of captopril using modified multi-wall carbon nanotubes paste electrode*

21.8th Student nanotechnology conference, (2010), Mashhad, Iran as: *Electrocatalytic determination of mercaptopurine in presence of uric acid using multiwall carbon nanotubes and TiO_2 as a sensor and p-aminophenol as a mediator*

22. 8th Iranian Electrochemistry seminar, Yazd University, Yazd, Iran, 2011, as: *Application of a new multiwall carbon nanotubes-ionic liquid paste electrode as a sensor for voltammetric determination of isoproternol*

23. 15th Iranian Chemical conference, Bu-Ali Sina University, Hamadan, Iran, 2011, as: *A new strategy for simultaneous determination of vitamin C, acetaminophen and tryptophan in biological and fruit juice samples using N-(3,4-dihydroxyphenethyl)-3,5- dinitrobenzamide as an novel mediator and multiwall carbon nanotubes as a sensor*

24. 15th Iranian Chemical conference, Bu-Ali Sina University, Hamadan, Iran, 2011, as: *Simultaneous determination of penicillamine, uric acid and tryptophan using a novel modified multiwall carbon nanotubes paste electrode*

25. 7th Iranian electrochemical conference, Khajeh Nasir Univsity, Tehran, Iran, 2011, as: *Electrocatalytic oxidation of N-actylcysteine in the presence of acetaminophen using novel dopamine-derivative as a mediator*

26. 7th Iranian electrochemical conference, Khajeh Nasir University, Tehran, Iran, 2011, as: *A voltammetric method for determination of carbidopa in the presence of uric acid*

27. 7th Iranian electrochemical conference, Khajeh Nasir University, Tehran, Iran, 2011, as: *First report for simultaneous determination of cysteamine and folic acid using voltammetric method*

28. 7th Iranian electrochemical conference, Khajeh Nasir Univsity, Tehran, Iran, 2011, as: *Voltammeric determination of morphine using Ionic liquid/multiwall carbon nanotubes paste electrode*

29. 7th Iranian electrochemical conference, Khajeh Nasir Univsity, Tehran, Iran, 2011, as: *Simultaneous determination of methyldopa and uric acid using modified multiwall carbon nanotubes paste electrode*

30. 7th Iranian electrochemical conference, Khajeh Nasir Univsity, Tehran, Iran, 2011, as: *Determination of sulfite in water and waste water samples using voltammetric methods*

31. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *High sensitive voltametric nanosensors for determination of ascorbic acid in fruit and vegetable juice samples*

32. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *A high sensitive biosensor based on using a ZnO/CNTs nanocomposite/catechol derivative modified electrode for simultaneous determination of glutathione and amoxicillin*

33. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *Electrocatalytic determination of L-Cysteine using a nanostructure based electrochemical sensor*

34. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *The effect of CdO/CNTs nanocomposite size on charge transfer resistance at electrochemical systems*

35. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *Ionic liquid modified ZnO/CNTs nanocomposite carbon paste electrode as a high sensitive voltammetric sensor for determination of Carbidopa*

36. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *Biosynthesis of Ag nanoparticle using seed extract of chaerophyllum macrospermum and effect of it in reduction of electron charge transfer*

37. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *Modification of pencil graphite electrode surface by polypyrrole/functionalize multiwall carbon nanotubes; Application for the preparation of DNA biosensor for 6-mercatopurine anticancer drug detection*

38. 4th National Food Security Conference Iran, Islamic Azad University Savadkuh, Iran, 2015, as: *Voltammetric measurements of quercetin in apple and onion samples by using of modified nanosensors*

39. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Determination of Sudan I in food samples using a modified nanostructure paste electrode*

40. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Electrocatalytic determination of captopril using a ferrocene-derivative modified nanostructure carbon paste electrode*

41. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Simultaneous determination of ascorbic acid and NADH in pharmaceutical and biological samples using voltammetric sensor*

42. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Voltammetric determination of butylated hydroxytoluene using modified nanostructure carbon paste electrode*

43. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *TBHQ analysis as an antioxidant food additive using modified CdO/CNTs ionic liquids carbon paste electrode*

44. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Voltammetric analysis of diphenhydramine in pharmaceutical samples using a nanostructure based sensor*

45. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Vitamin C analysis in food and pharmaceutical samples using a nanostructure electrochemical sensor*

46. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Determination of tryptophan in food and pharmaceutical samples using a nanostructure electrochemical sensor*

47. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Ascorbic acid determination in food and pharmaceutical samples using modified carbon paste electrode*

48. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Electrocatalytic determination of isoproterenol, acetaminophen, tryptophan and thophylline using a carbon paste electrode modified with graphene and modifier*

49. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *electrode modified with graphene and modifier*

50. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Hydroquinone analysis in liposome carrier using a voltammetric sensor*

51. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Application of ZnO nanoparticles ionic liquids modified electrode as a sensor for determination of promazine*

52. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Synthesized of MgO nanoparticles and its application in preparation of electrochemical sensor in vanillin analysis*

53. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, *as: A nanostructure based sensor for determination of BHA in food samples*

54. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *A modified ZnO/CNTs nanocomposite ionic liquid carbon paste electrode as a sensor for nitrite determination*

55. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *A CuFe2O4 nanoparticle ionic liquids carbon paste electrode as a sensor for uric acid analysis*

56. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *A nanostructure based electrochemical sensor for determination of epinephrine*

57. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *A voltammetric sensor for determination of curcumin in food samples using nanostructure based electrochemical sensor*

58. 12th Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran, 2016, as: *Determination of carmoisine in food samples using nanostructure based electrochemical sensor*

59. 12th Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran, 2016, as: *A DNA label free electrochemical nanostructure sensor for Fluorouracil analysis*

60. 12th Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran, 2016, as: *Voltammetric determination of 6-mercaptopurine as an anticancer drug using Pt based nano-structure voltammetric sensor*

61. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Electrochemical determination of doxorubicin in pharmaceutical samples using nanostructure sensor*

62. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Voltammetric analysis of epirubicin in biological and pharmaceutical samples using nanostructure sensor*

63. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Nanostructure electrochemical sensor for determination of ferolic acid trance in food samples*

64. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *A highly sensitive voltammetric platform for analysis of nitrite in foodstuff*

65. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Electrochemical determination of kojic acid in food samples using a modified carbon paste platform*

66. 20th Iranian Analytic Chemistry Conference, Isfahan University of Technology, Iran, 2014, as: *A volatmmetric sensor based on NiO/CNTs nanocomposite ionic liquid carbon paste electrode for simultaneous determination of droxidopa and serotonine*

67. 20th Iranian Analytic Chemistry Conference, Isfahan University of Technology, Iran, 2014, as: *A highly sensitive modified carbon paste electrode based on NiO/CNT nanocomposite and ionic liquid for voltammetric determination of NADH*

68. 20th Iranian Analytic Chemistry Conference, Isfahan University of Technology, Iran, 2014, as: *A Label-Free DNA electrochemical sensor for determination of quercetin*

69. 20th Iranian Analytic Chemistry Conference, Isfahan University of Technology, Iran, 2014, as: *Determination of promazin using DNA interaction at a surface of nanocomposite modified pencil graphite electrode*

70. 20th Iranian Analytic Chemistry Conference, Isfahan University of Technology, Iran, 2014, as: *Electrocatalytic determination of glutathione in the presence of amoxicillin at a modified nanocomposite carbon paste electrode*

71. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Electrochemical determination of doxorubicin in pharmaceutical samples using nanostructure sensor*

72. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as*: Voltammetric analysis of epirubicin in biological and pharmaceutical samples using nanostructure sensor*

73. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Nanostructure electrochemical sensor for determination of ferolic acid trance in food samples*

74. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *A highly sensitive voltammetric platform for analysis of nitrite in foodstuff*

75. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Electrochemical determination of kojic acid in food samples using a modified carbon paste platform*

Awards

1) Top 1% Scientist in Chemistry in ISI Essential Science Indicator
2) Top 1% Scientist in Agriculture in ISI Essential Science Indicator
3) Top 1% Scientist in Chemistry in ISC Essential Science Indicator

4) Top 1% Scientist in Agriculture in ISC Essential Science Indicator

5) Gold medal for youngest Iranian researcher in nanotechnology from Iranian Nanotechnology Initiative Council (2015)

6) Gold medal for youngest Iranian researcher in nanotechnology from Iranian Nanotechnology Initiative Council (2017)

7) Gold medal for top Researcher in Kerman Province, Iran 2013.

8) Gold medal for top researcher from Razavi Scientific Festival (2017).

9) Iranian Nanotechnology Initiative (2009)

10) Gold medal for best Iranian PhD electrochemistry student (2010)

11) Gold medal for best PhD thesis in Isfahan University of Technology, (2011).

12) The 100 top Scientifics in nanotechnology in Iran (2011)- 1391

13) The 100 top Scientifics in nanotechnology in Iran (2013)-1392

14) The 100 top Scientifics in nanotechnology in Iran (2012)-1393

15) The 100 top Scientifics in nanotechnology in Iran (2013)-1394

16) Top Researcher in Graduate University of Advanced Technology, Kerman, Iran, 2013.

17) H-index 60 (Google scholar)

18) Most Cite paper award of Analytical Science-2012

19) Most Cite Journal of Electroanalytical Chemistry Articles (First Ranking from 2011 for 4 years)

20) Most Cite Journal of Molecular Liquids Articles (Second Ranking from 2011 for 3 years)

21) Official Stamp of the Islamic Republic of Iran (2017), due to the scientific researches as young researcher.

22) Gold medal of Razavi price as 1% Top Scientists in Iran (2018).

23) silver medal best teacher of nanotechnology in Iran from Iranian Nanotechnology Initiative Council (2018)

Editorial board

- *Journal of Nanostructure*
- *Austin Journal of Biosensors & Bioelectronics*
- *Austin Chemical Engineering*

- *Journal of Nanomaterials*
- *Journal of Nanotechnology in Diagnosis and Treatment*
- *Advances in Food Science and Engineering*
- *Current Updates in Nanotechnology*
- *The Open Clinical Chemistry Journal*
- *Analytical & Bioanalytical Electrochemistry*
- *Journal of Food Chemistry and Nanotechnology*
- *SF Journal of Pharmaceutical and Analytical Chemistry*
- *SF Journal of Nanochemistry and Nanotechnology*
- *Nanomedicine Research Journal*
- *Food and Nutrition Open Access*
- *American Research Journal of Chemical Engineering*
- *Guest Editor for special issue in Current Analytical Chemistry journal" Entitle: Electrochemical sensors based on Metal nanoparticles, carbon based Nanomaterials and ionic liquids; Tentative Publication Date: February, 2016"*
- *American Journal of Chemical Research*
- *Current Analysis on Chemistry*
- *Annals of Short Reports*
- *International Journal of Biochemical and Chemical Engineering*
- *Co-Editor: Nanoscience & Nanotechnology-Asia*
- *Link: http://benthamscience.com/journals/nanoscience-and-nanotechnology-asia/editorial-board/#top*
- *Editor in Chief: Applied Chemical Engineering*

- *Link: http://systems.enpress-publisher.com/index.php/ACE/about/editorialTeam*

Teaching

1) Isfahan University of Technology

a) Laboratory of Analaytical chemistry.

b) Laboratory of general chemistry (I) and (II)

c) *Laboratory of Electroanalytical chemistry.*

2) Islamic Azad University of Shahr Reza.

a) General chemistry (I).

b) Laboratory of Electroanalytical chemistry.

c) Analytical chemistry (I).

3) Islamic Azad University of Khomini Shahr.

a) General chemistry (I).

4) Islamic Azad University of Majlesi Branch

a) Analytical chemistry

b) Corrosion Chemistry.

c) Laboratory of analytical chemistry

5) Science and Research Branch, Islamic Azad University, Mazandaran, Iran

a) Corrosion in food industrial

a) New Methods in food analysis

b) Special Topics in nanotechnology

c) Nanochemistry

6) Graduate University of Advanced Technology

a) Advanced in Electrochemistry

b) Sol-gel in nanotechnology

c) Advanced Analytical Chemistry

d) Molecular Spectroscopy

e) Complexes in analytical chemistry

f) Inorganic Nanomaterials

g) New Topics in nanotechnology

h) Characterization method in nanotechnology

i) Synthesis method for nanomaterials

7) Quchan University of Technology

a) General Chemistry

b) Laboratory of Analytical chemistry

c) Analytical chemistry for Engineering

Projects

- 5 Projects with Islamic Azad University, Iran
- 1 project with Golestan University, iran
- 2 Projects with Iran National Science Foundation: INSF

Memberships

- Iranian Electrochemical Society's board member from 2012-2015
- Iranian Electrochemical Society's board member from 2015-2018
- I select as an Iranian Electrochemical Society's board member in two consecutive

Patents in Iranian organization registered

- Fabrication of a new nanosensor for simultaneous analysis of 6-mercaptopurine and uric acid
- Electrochemical sensor for simultaneous analysis of 6-thioguanine and folic acid

PhD student

1) Somaye Cheraghi, Bahonar University
2) Fahimeh Tahernejad-Javazmi, Kashan University
3) Majedeh Bijad, Sari Branch, Islamic Azad University, Sari
4) Vahid Arabali, Mashahd Branch, Islamic Azad University
5) Asma Bananejad, University of Tehran
6) Moein Shojaie, Bahonar University
7) Firuzeh Hosseni, Islamic Azad University, Mashhad Branch,
8) Ms Jahandari, Bahonar University, Kerman, Iran
9) Ms Hassani, Bahonar University, Kerman, Iran
10) Nasrin Sabet, Ferdowsi University, Mashhad, Iran
11) Ms. Emamian, Islamic Azad University, Mashhad, Iran
12) Ms. Mohammadian, Islamic Azad University, Mashhad, Iran

And more than 40 M.Sc students

Book

- Electrochemistry Book for solving the practice for payame noor University students
- **A book chapter;; Book** *Title Carbon Nanotubes for Clean Water;;; Chapter 8; entitle "Sensing and Monitoring"* ***Hassan Karimi-Maleh,*** *Aliasghar*

Beheshti, Fatemeh Karimi, Mehdi Shabani-Nooshabadi, Mohammad Reza Ganjali and Morteza Rezapour

Personal Details

First Name	Hassan
Last Name	Karimi-Maleh
Date of Birth	March 21, 1982
Place of Birth	Sari, Iran
Nationality	Iranian
Address	Department of Chemical Engineering, Laboratory of Nanotechnology, Quchan University of Technology, Quchan, Iran
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Link of Google Scholar	Click here

2018 Highly Cited Researchers; according to Clarivate Analytics

Visiting Prof. OF Johannesburg University

*****Top 1% Scientists in Chemistry in ISI Essential Science Indicators***

*****Top 1% Scientists in Agricultura in ISI Essential Science Indicators***

h-index=60 (Google Scholar Citations; CITATION 9150)

Education

- (2007-2011) **PhD in Analytical Chemistry**, Department of Chemistry, **Isfahan University of Technology,** Isfahan, Iran.

- (2004-2007) **Master of Analytical Chemistry**, Department of Chemistry**, Mazandaran University**, Mazandaran, Iran.

- (2000-2004) **Bachelor of Applied Chemistry**, Department of Chemistry, **Islamic Azad University,** Qaemshahr Branch, Iran.

- (2013-2016) As an **assistant Prof.** in Department of Nano-Chemistry, **Graduate University of Advanced Technology**, Kerman, Iran

- (From 2017) As an **assistant Prof.** in Department of Chemical Engineering in **Quchan University of Technology**, Quchan, Iran.

Research Interests:

- Nano sensor and bioelectrochemistry
- Surface chemistry and electrochemical sensors.
- Conductive polymers in electrochemistry.
- Modified electrodes in electrochemistry.
- Environmental chemistry
- Drug and food Analysis
- Synthesis of nanomaterials such as nanoparticles and nanocomposite.
- Analysis of food compounds
- DNA interaction with drug and environmental compounds
- Nanobiotechnology

- Drug delivery
- Removal of pollutants with using nanomaterials

Skills

Computer skills: Photoshop; Excel

Instruments: Potentiostat galvanostat systems; Uv-visible spectrophotometer, AFM

Publications (ISI)

Publication in 2007

1- J. B. Raoof, R. Ojani and **Hassan Karimi-Maleh**, Electrocatalytic Determination of Sulfite at the Surface of a New Ferrocene Derivative-Modified Carbon Paste Electrode. ***Int. J. Electrochem. Sci.****, 2 (2007) 257 – 269.*

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2- J. B. Raoof, R. Ojani and **Hassan Karimi-Maleh** , Carbon Paste Electrode Incorporating 1-[4-(Ferrocenyl Ethynyl) Phenyl]-1-Ethanone for Electrocatalytic and Voltammetric Determination of Tryptophan. ***Electroanalysis***, 20 (2008) 1259-21262.

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9- H. Yaghoubian, **Hassan Karimi-Maleh**, M.A. Khalilzadeh, Fatemeh Karimi, Electrocatalytic Oxidation of Levodopa at a Ferrocene Modified Carbon Nanotube Paste Electrode. ***Int. J. Electrochem. Sci.,*** 4 (2009) 993 – 1003.

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11- J. B. Raoof, R. Ojani, **H. Karimi-Maleh,** Electrocatalytic oxidation of glutathione at carbon paste electrode modified with 2,7-bis (ferrocenyl ethyl) fluoren-9-one: application as a voltammetric sensor, ***J.Appl. Electrochem.*** 39 (2009)1169–1175.

12- H. Yaghoubian, **Hassan Karimi-Maleh**, M.A. Khalilzadeh, Fatemeh Karimi, Electrochemical Detection of Carbidopa Using Ferrocene-Modified Carbon Nanotube Paste Electrode. ***J. Serb. Chem. Soc.,*** 74 (2009) 1443-1453.

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of Carbidopa, Folic Acid , and Tryptophan, ***Journal Analytical Methods in Chemistry,*** Volume 2012, Article ID 305872, 8 pages, doi:10.1155/2012/305872.

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182. Fahimeh Tahernejad-Javazmi, Mehdi Shabani-Nooshabadi, Hassan Karimi-Maleh, Hossein Naeimi, Square wave voltammetric determination of hydrazine and 4-chlorophenol as two important water pollutants sing nanostructure-amplified sensor, ***Res Chem Intermed. 2018;*** https://doi.org/10.1007/s11164-018-3429-6

183. Atefe Mohammadian, Mahmoud Ebrahimi, Hassan Karimi-Maleh, Synergic effect of 2D nitrogen doped reduced graphene nano-sheet and ionic liquid as a new approach for fabrication of anticancer drug sensor in analysis of doxorubicin and topotecan, ***Journal of Molecular Liquids*** 265 (2018) 727–732

184. Ali Samadzadeh, Iran Sheikhshoaie and Hassan Karimi-Maleh, Simultaneous Determination of Epinephrine and Tyrosine Using a Glassy Carbon Electrode Amplified with ZnO-Pt/CNTs Nanocomposite, ***Current Analytical Chemistry***, 2018, 14, 000-000

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186. Vinod Kumar Gupta, Hassan Karimi-Maleh, Shilpi Agarwal, Fatemeh Karimi, Majede Bijad, Mohammad Farsi, Seyed-Ahmad Shahidi, Fabrication of a Food Nano-Platform Sensor for Determination of Vanillin in Food Samples, ***Sensors*** 2018, 18, 2817; doi:10.3390/s18092817

187. Firuzeh Hosseini, Mahmoud Ebrahimi, and Hassan Karimi-Maleh, An amplified sensor based on improved carbon paste electrode with 1,3-Dipropylimidazolium Bromide and MgO/SWCNTs Nanocomposite for tradamol determination. ***Int. J. Electrochem. Sci.,*** 13 (2018) 4923 – 4932,

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189.

Published papers (ISC)

1-سرونازکوهی، محمد علی خلیل زاده، **حسن کریمی مله**، طراحی یک حسگر نانوساختار اصلاح شده برای آنالیز بوتیل هیدروگسی تولوئن بعنوان یک آنتی اکسیدانت در نمونه های غذایی، مجله علمی- پژوهشی شیمی کاربردی، سال دوازدهم، شماره 44 پاییز 96، صفحات 241-251

2- Hesam Asari-Bami, Mohammad A. Khalilzadeh and **Hassan Karimi-Maleh**, Electrochemical Determination of Tert-butylhydroxyanisole uses Carbon Paste Electrode Modified with Ionic Liquid and CdO Nanoparticle, Anal. Bioanal. Electrochem., Vol. 8, No. 8, 2016, 1033-1043.

3-Afsaneh L. Sanati, **Hassan Karimi-Maleh**, Maryam Abbasghorbani, Synthesis of NiO nanoparticle and application of its in the preparation of electrochemical sensor for voltammetric determination of Nalbuphine, Journal of Applied Chemistry 9 (2015) 35-40.

4- رضا مرادی،هادی عربی، **حسن کریمی مله**،ساخت و شناسایی نانوذرات اکسید روی با مورفولوژی‌های متفاوت و خواص ساختاری آنها، مجله علمی- پژوهشی شیمی کاربردی، سال نهم، شماره 31 تابستان 93، صفحات 101-112

5- Maryam Najafi, Majede Bijad, Afsaneh Lal Sanati, Fatemeh Karimi, Mohammad Ali Khalilzadeh, and **Hassan Karimi-Maleh**, Square wave voltammetric determination of ascorbic acid in food and pharmaceutical samples using a novel room temperature ionic liquid ZnO nanoparticles carbon paste electrode, Journal of Applied Chemistry 7 (2013) 69-76.

5-سید کمال شیردل، علی پهلوان، رویا صادقی، **حسن کریمی مله**، سنتز نانوذره اکسید کادمیم به روش رسوب دهی مستقیم و بررسی تاثیر آن بر کاهش مقاومت انتقال الکترون در سیستم های مبادله الکترون، مجله علمی- پژوهشی شیمی کاربردی، سال هفتم، شماره 22 بهار91، صفحات 49-55

6- سرونازکوهی، محمد علی خلیل زاده، حسن کریمی مله، طراحی یک حسگر نانوساختار اصلاح شده برای آنالیز بوتیل هیدروگسی تولوئن بعنوان یک آنتی اکسیدانت در نمونه های غذایی. مجله شیمی کاربردی سمنان، سال دوازدهم، 1396، صفحه 241

Conference papers:

1- 7th Iranian biochemical and biophysical conference (ISOBC), Tabriz University, Tabriz, Iran, (2006), as: *Electrocaalytic oxidation of L-cysteic acid at as surface of carbon paste electrode modified with anew ferrocene derivative.*

2- 15th Iranian Seminar of Analytical Chemistry (ISAC), Shiraz University, Shiraz, Iran, 27 February-March 1, 2007, as: *Electrocatalytic determination of sulfite at a surface of a new ferrocene derivative-modified carbon paste electrode*

3- 7 th Iranian Electrochemistry seminar, Oromie University, Oromie, Iran, 2007, as: *Electrocatalytic determination of sulfite in real sample using 2,7-bis(ferrocenyl ethyl) fluoren-9-one modified caron paste electrode*

4- 7 th Iranian Electrochemistry seminar, Oromie University, Oromie, Iran, 2007, as: *Voltammetric determination of glutathione at the surface of 2,7, bis(ferrocenyl ethyl)fluoren-9-one modified carbon paste electrode.*

5- 7 th Iranian Electrochemistry seminar, Oromie University, Oromie, Iran, 2007, as: *Application of 2,7-bis (ferrocenyl ethyl)fluoren-9-one modified carbon paste electrode foe determination of some compounds.*

6- 7 th Iranian Electrochemistry seminar, Oromie University, Oromie, Iran, 2007, as: *Elecrocatalytic determination of hydrazine in weak liquor at the surface of carbon paste modified electrode.*

7- International catalysis conference (ICC 2008), Shahid Beheshti University, Tehran, Iran, (28-30 April 2008), as: *Electrocatalytic determination of ampicillin using carbon paste electrode modified with ferrocenedicarboxylic acid.*

8- International catalysis conference (ICC 2008), Shahid Beheshti University, Tehran, Iran, (28-30 April 2008), as: *Electrocatalytic determination of captopril at a surface of ferrocene-derivative modified carbon paste electrode*

9- International catalysis conference (ICC 2008), Shahid Beheshti University, Tehran, Iran, (28-30 April 2008), as: *Electrochemical evaluation of ferrocenedicarboxylic acid carbon paste electrode: study on its application as a glutathione biosensore in presence of tryptophan.*

10- 12th Asian chemical congress (12ACC), Kuala Lumpur, Malaysia (August 25, 2007), as: *Electrocatalytic determination of tryptophan at the surface of 1-[4-(ferrocenyl ethynyl) phenyl]-1-ethanone modified carbon paste electrode*

11- 5th Electrochemical Society of Iran (ECSI 2009),Tarbiat Modarres University, Tehran, Iran, 6-7 May,2009, as: *Study of electrochemical behaviour some novel shiff-base manganese (III) complex covalently linked on 3-aminopropyl triethoxy silane functionalized SiO_2-Al_2O_3 at a surface of carbon nanotube paste electrode.*

12- Electrochemical Society of Iran (ECSI 2009),Tarbiat Modarres University, Tehran, Iran, 6-7 May,2009, as: *Voltammetric determination of hydrochlorothiazide using ferrocenedicarboxylic acid modified carbon paste electrode.*

13- Electrochemical Society of Iran (ECSI 2009),Tarbiat Modarres University, Tehran, Iran, 6-7 May,2009, as: *Electrocatalytic determination of L-cysteine at vinylferrocene modified carbon nanotube paste electrode.*

14. 15th Iranian Seminar of Analytical Chemistry (ISAC), Boalisina University, Hamadan, Iran, (2009), as: *Modified multi-wall carbon nanotube as a sensor for determination of sulfite using ferrocenedicarboxylic acid as a mediator.*

15. Nano tech Malaysia 2009, October 27-29, 2009, Kuala Lumpur, as: *Multi-wall carbon nanotubes-TiO_2-ferrocenedicarboxylic acid as a mediator for simultaneous determination of 6-thioguanine and folic acid*

16. Nanotech Malaysia 2009, October 27-29, 2009, Kuala Lumpur, as: *A nanosensor based on modified multi-wall carbon nanotubes-TiO_2 for determination of 6-mercaptopurine in presence of uric acid using p-aminophenol as a mediator*

17. 6th Iranian electrochemical conference, October 8-11, 2010, Kish, Iran as: *Nanomolar determination of 6-mercaptopurine in presence of uric acid using voltammeric methods*

18. 6th Iranian electrochemical conference, October 8-11, 2010, Kish, Iran as: *Synthesis and electrochemical study of new catechol using nanotubes paste electrode*

19. 6th Iranian electrochemical conference, October 8-11, 2010, Kish, Iran as: *Electrochemical study of novel optically active polymers containing phenolic pendant unit*

20. 6th Iranian electrochemical conference, October 8-11, 2010, Kish, Iran as: *Determination of captopril using modified multi-wall carbon nanotubes paste electrode*

21.8th Student nanotechnology conference, (2010), Mashhad, Iran as: *Electrocatalytic determination of mercaptopurine in presence of uric acid using multiwall carbon nanotubes and TiO_2 as a sensor and p-aminophenol as a mediator*

22. 8th Iranian Electrochemistry seminar, Yazd University, Yazd, Iran, 2011, as: *Application of a new multiwall carbon nanotubes-ionic liquid paste electrode as a sensor for voltammetric determination of isoproternol*

23. 15th Iranian Chemical conference, Bu-Ali Sina University, Hamadan, Iran, 2011, as: *A new strategy for simultaneous determination of vitamin C, acetaminophen and tryptophan in biological and fruit juice samples using N-(3,4-dihydroxyphenethyl)-3,5- dinitrobenzamide as an novel mediator and multiwall carbon nanotubes as a sensor*

24. 15th Iranian Chemical conference, Bu-Ali Sina University, Hamadan, Iran, 2011, as: *Simultaneous determination of penicillamine, uric acid and tryptophan using a novel modified multiwall carbon nanotubes paste electrode*

25. 7th Iranian electrochemical conference, Khajeh Nasir Univsity, Tehran, Iran, 2011, as: *Electrocatalytic oxidation of N-actylcysteine in the presence of acetaminophen using novel dopamine-derivative as a mediator*

26. 7th Iranian electrochemical conference, Khajeh Nasir University, Tehran, Iran, 2011, as: *A voltammetric method for determination of carbidopa in the presence of uric acid*

27. 7th Iranian electrochemical conference, Khajeh Nasir University, Tehran, Iran, 2011, as: *First report for simultaneous determination of cysteamine and folic acid using voltammetric method*

28. 7th Iranian electrochemical conference, Khajeh Nasir Univsity, Tehran, Iran, 2011, as: *Voltammeric determination of morphine using Ionic liquid/multiwall carbon nanotubes paste electrode*

29. 7th Iranian electrochemical conference, Khajeh Nasir Univsity, Tehran, Iran, 2011, as: *Simultaneous determination of methyldopa and uric acid using modified multiwall carbon nanotubes paste electrode*

30. 7th Iranian electrochemical conference, Khajeh Nasir Univsity, Tehran, Iran, 2011, as: *Determination of sulfite in water and waste water samples using voltammetric methods*

31. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *High sensitive voltametric nanosensors for determination of ascorbic acid in fruit and vegetable juice samples*

32. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *A high sensitive biosensor based on using a ZnO/CNTs nanocomposite/catechol derivative modified electrode for simultaneous determination of glutathione and amoxicillin*

33. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *Electrocatalytic determination of L-Cysteine using a nanostructure based electrochemical sensor*

34. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *The effect of CdO/CNTs nanocomposite size on charge transfer resistance at electrochemical systems*

35. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *Ionic liquid modified ZnO/CNTs nanocomposite carbon paste electrode as a high sensitive voltammetric sensor for determination of Carbidopa*

36. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *Biosynthesis of Ag nanoparticle using seed extract of chaerophyllum macrospermum and effect of it in reduction of electron charge transfer*

37. 10th Annual Electrochemistry Seminar of Iran, Iran University of Science and Technology, Tehran, Iran, 2014, as: *Modification of pencil graphite electrode surface by polypyrrole/functionalize multiwall carbon nanotubes; Application for the preparation of DNA biosensor for 6-mercatopurine anticancer drug detection*

38. 4th National Food Security Conference Iran, Islamic Azad University Savadkuh, Iran, 2015, as: *Voltammetric measurements of quercetin in apple and onion samples by using of modified nanosensors*

39. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Determination of Sudan I in food samples using a modified nanostructure paste electrode*

40. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Electrocatalytic determination of captopril using a ferrocene-derivative modified nanostructure carbon paste electrode*

41. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Simultaneous determination of ascorbic acid and NADH in pharmaceutical and biological samples using voltammetric sensor*

42. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Voltammetric determination of butylated hydroxytoluene using modified nanostructure carbon paste electrode*

43. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *TBHQ analysis as an antioxidant food additive using modified CdO/CNTs ionic liquids carbon paste electrode*

44. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Voltammetric analysis of diphenhydramine in pharmaceutical samples using a nanostructure based sensor*

45. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Vitamin C analysis in food and pharmaceutical samples using a nanostructure electrochemical sensor*

46. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Determination of tryptophan in food and pharmaceutical samples using a nanostructure electrochemical sensor*

47. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Ascorbic acid determination in food and pharmaceutical samples using modified carbon paste electrode*

48. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Electrocatalytic determination of isoproterenol, acetaminophen, tryptophan and thophylline using a carbon paste electrode modified with graphene and modifier*

49. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *electrode modified with graphene and modifier*

50. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Hydroquinone analysis in liposome carrier using a voltammetric sensor*

51. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Application of ZnO nanoparticles ionic liquids modified electrode as a sensor for determination of promazine*

52. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *Synthesized of MgO nanoparticles and its application in preparation of electrochemical sensor in vanillin analysis*

53. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, *as: A nanostructure based sensor for determination of BHA in food samples*

54. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *A modified ZnO/CNTs nanocomposite ionic liquid carbon paste electrode as a sensor for nitrite determination*

55. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *A CuFe2O4 nanoparticle ionic liquids carbon paste electrode as a sensor for uric acid analysis*

56. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *A nanostructure based electrochemical sensor for determination of epinephrine*

57. 11th Annual Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran 2015, as: *A voltammetric sensor for determination of curcumin in food samples using nanostructure based electrochemical sensor*

58. 12th Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran, 2016, as: *Determination of carmoisine in food samples using nanostructure based electrochemical sensor*

59. 12th Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran, 2016, as: *A DNA label free electrochemical nanostructure sensor for Fluorouracil analysis*

60. 12th Electrochemistry Seminar of Iran, Tarbiat Modares University, Tehran, Iran, 2016, as: *Voltammetric determination of 6-mercaptopurine as an anticancer drug using Pt based nano-structure voltammetric sensor*

61. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Electrochemical determination of doxorubicin in pharmaceutical samples using nanostructure sensor*

62. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Voltammetric analysis of epirubicin in biological and pharmaceutical samples using nanostructure sensor*

63. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Nanostructure electrochemical sensor for determination of ferolic acid trance in food samples*

64. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *A highly sensitive voltammetric platform for analysis of nitrite in foodstuff*

65. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Electrochemical determination of kojic acid in food samples using a modified carbon paste platform*

66. 20th Iranian Analytic Chemistry Conference, Isfahan University of Technology, Iran, 2014, as: *A volatmmetric sensor based on NiO/CNTs nanocomposite ionic liquid carbon paste electrode for simultaneous determination of droxidopa and serotonine*

67. 20th Iranian Analytic Chemistry Conference, Isfahan University of Technology, Iran, 2014, as: *A highly sensitive modified carbon paste electrode based on NiO/CNT nanocomposite and ionic liquid for voltammetric determination of NADH*

68. 20th Iranian Analytic Chemistry Conference, Isfahan University of Technology, Iran, 2014, as: *A Label-Free DNA electrochemical sensor for determination of quercetin*

69. 20th Iranian Analytic Chemistry Conference, Isfahan University of Technology, Iran, 2014, as: *Determination of promazin using DNA interaction at a surface of nanocomposite modified pencil graphite electrode*

70. 20th Iranian Analytic Chemistry Conference, Isfahan University of Technology, Iran, 2014, as: *Electrocatalytic determination of glutathione in the presence of amoxicillin at a modified nanocomposite carbon paste electrode*

71. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Electrochemical determination of doxorubicin in pharmaceutical samples using nanostructure sensor*

72. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as*: Voltammetric analysis of epirubicin in biological and pharmaceutical samples using nanostructure sensor*

73. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Nanostructure electrochemical sensor for determination of ferolic acid trance in food samples*

74. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *A highly sensitive voltammetric platform for analysis of nitrite in foodstuff*

75. 13th Annual Electrochemistry Seminar of Iran, Materials and Energy Research Center (MERC), Iran, 2017, as: *Electrochemical determination of kojic acid in food samples using a modified carbon paste platform*

Awards

1) Top 1% Scientist in Chemistry in ISI Essential Science Indicator
2) Top 1% Scientist in Agriculture in ISI Essential Science Indicator
3) Top 1% Scientist in Chemistry in ISC Essential Science Indicator

4) Top 1% Scientist in Agriculture in ISC Essential Science Indicator

5) Gold medal for youngest Iranian researcher in nanotechnology from Iranian Nanotechnology Initiative Council (2015)

6) Gold medal for youngest Iranian researcher in nanotechnology from Iranian Nanotechnology Initiative Council (2017)

7) Gold medal for top Researcher in Kerman Province, Iran 2013.

8) Gold medal for top researcher from Razavi Scientific Festival (2017).

9) Iranian Nanotechnology Initiative (2009)

10) Gold medal for best Iranian PhD electrochemistry student (2010)

11) Gold medal for best PhD thesis in Isfahan University of Technology, (2011).

12) The 100 top Scientifics in nanotechnology in Iran (2011)- 1391

13) The 100 top Scientifics in nanotechnology in Iran (2013)-1392

14) The 100 top Scientifics in nanotechnology in Iran (2012)-1393

15) The 100 top Scientifics in nanotechnology in Iran (2013)-1394

16) Top Researcher in Graduate University of Advanced Technology, Kerman, Iran, 2013.

17) H-index 60 (Google scholar)

18) Most Cite paper award of Analytical Science-2012

19) Most Cite Journal of Electroanalytical Chemistry Articles (First Ranking from 2011 for 4 years)

20) Most Cite Journal of Molecular Liquids Articles (Second Ranking from 2011 for 3 years)

21) Official Stamp of the Islamic Republic of Iran (2017), due to the scientific researches as young researcher.

22) Gold medal of Razavi price as 1% Top Scientists in Iran (2018).

23) silver medal best teacher of nanotechnology in Iran from Iranian Nanotechnology Initiative Council (2018)

Editorial board

- *Journal of Nanostructure*
- *Austin Journal of Biosensors & Bioelectronics*
- *Austin Chemical Engineering*

- *Journal of Nanomaterials*
- *Journal of Nanotechnology in Diagnosis and Treatment*
- *Advances in Food Science and Engineering*
- *Current Updates in Nanotechnology*
- *The Open Clinical Chemistry Journal*
- *Analytical & Bioanalytical Electrochemistry*
- *Journal of Food Chemistry and Nanotechnology*
- *SF Journal of Pharmaceutical and Analytical Chemistry*
- *SF Journal of Nanochemistry and Nanotechnology*
- *Nanomedicine Research Journal*
- *Food and Nutrition Open Access*
- *American Research Journal of Chemical Engineering*
- *Guest Editor for special issue in Current Analytical Chemistry journal" Entitle: Electrochemical sensors based on Metal nanoparticles, carbon based Nanomaterials and ionic liquids; Tentative Publication Date: February, 2016"*
- *American Journal of Chemical Research*
- *Current Analysis on Chemistry*
- *Annals of Short Reports*
- *International Journal of Biochemical and Chemical Engineering*
- *Co-Editor: Nanoscience & Nanotechnology-Asia*
- *Link: http://benthamscience.com/journals/nanoscience-and-nanotechnology-asia/editorial-board/#top*
- *Editor in Chief: Applied Chemical Engineering*

- *Link: http://systems.enpress-publisher.com/index.php/ACE/about/editorialTeam*

Teaching

1) Isfahan University of Technology

a) Laboratory of Analaytical chemistry.

b) Laboratory of general chemistry (I) and (II)

c) *Laboratory of Electroanalytical chemistry.*

2) Islamic Azad University of Shahr Reza.

a) General chemistry (I).

b) Laboratory of Electroanalytical chemistry.

c) Analytical chemistry (I).

3) Islamic Azad University of Khomini Shahr.

a) General chemistry (I).

4) Islamic Azad University of Majlesi Branch

a) Analytical chemistry

b) Corrosion Chemistry.

c) Laboratory of analytical chemistry

5) Science and Research Branch, Islamic Azad University, Mazandaran, Iran

a) Corrosion in food industrial

a) New Methods in food analysis

b) Special Topics in nanotechnology

c) Nanochemistry

6) Graduate University of Advanced Technology

a) Advanced in Electrochemistry

b) Sol-gel in nanotechnology

c) Advanced Analytical Chemistry

d) Molecular Spectroscopy

e) Complexes in analytical chemistry

f) Inorganic Nanomaterials

g) New Topics in nanotechnology

h) Characterization method in nanotechnology

i) Synthesis method for nanomaterials

7) Quchan University of Technology

a) General Chemistry

b) Laboratory of Analytical chemistry

c) Analytical chemistry for Engineering

Projects

- 5 Projects with Islamic Azad University, Iran
- 1 project with Golestan University, iran
- 2 Projects with Iran National Science Foundation: INSF

Memberships

- Iranian Electrochemical Society's board member from 2012-2015
- Iranian Electrochemical Society's board member from 2015-2018
- I select as an Iranian Electrochemical Society's board member in two consecutive

Patents in Iranian organization registered

- Fabrication of a new nanosensor for simultaneous analysis of 6-mercaptopurine and uric acid
- Electrochemical sensor for simultaneous analysis of 6-thioguanine and folic acid

PhD student

1) Somaye Cheraghi, Bahonar University
2) Fahimeh Tahernejad-Javazmi, Kashan University
3) Majedeh Bijad, Sari Branch, Islamic Azad University, Sari
4) Vahid Arabali, Mashahd Branch, Islamic Azad University
5) Asma Bananejad, University of Tehran
6) Moein Shojaie, Bahonar University
7) Firuzeh Hosseni, Islamic Azad University, Mashhad Branch,
8) Ms Jahandari, Bahonar University, Kerman, Iran
9) Ms Hassani, Bahonar University, Kerman, Iran
10) Nasrin Sabet, Ferdowsi University, Mashhad, Iran
11) Ms. Emamian, Islamic Azad University, Mashhad, Iran
12) Ms. Mohammadian, Islamic Azad University, Mashhad, Iran

And more than 40 M.Sc students

Book

- Electrochemistry Book for solving the practice for payame noor University students
- **A book chapter;; Book** *Title Carbon Nanotubes for Clean Water;;; Chapter 8; entitle "Sensing and Monitoring"* ***Hassan Karimi-Maleh,*** *Aliasghar*

Beheshti, Fatemeh Karimi, Mehdi Shabani-Nooshabadi, Mohammad Reza Ganjali and Morteza Rezapour