

IN THE NAME OF GOD

## CURRICULUM VITAE

### Personal information

**Surname:** Rafiee-Pour

**First name:** Hossain-Ali

**Date of birth:** 22 March 1974

**Nationality:** Persian

**Sex:** Male

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### Education

**- 2011 up to now:** Assistant Professor in Biophysics.

Department of Cell and Molecular Biology, Faculty of Chemistry, University of Kashan, Iran.

**- 2004–2010:** PhD student in Biophysics.

Institute of Biochemistry and Biophysics, University of Tehran, Tehran, Iran.

Project title: Improvement of electron transferring in Superoxide Dismutase (SOD) by nanoparticles.

Supervisor: Prof. Hedayatollah Ghourchian, [hadi@ibb.ut.ac.ir](mailto:hadi@ibb.ut.ac.ir)

**- 1999–2003:** M. Sc. in Biophysics.

Institute of Biochemistry and Biophysics, University of Tehran, Tehran, Iran.

Project Title: Monitoring of Lysozyme denaturation by urea via electrophoresis.

Supervisor: Late Prof. Mohammad Nabi Sarbolouki, [sarbol@ibb.ut.ac.ir](mailto:sarbol@ibb.ut.ac.ir)

**- 1994–1999:** B. Sc. in Biology.

Faculty of Science, Shahid Beheshti University, Tehran, Iran.

### Personal skills and competence

**Language(s):** Persian, English

**Computer skills operating systems:** Microsoft Windows

### Professional experience:

1. Bio-electrochemistry (CV, DPV, Amperometry, Impedance, FET)
2. Protein (Enzyme, Antibody) immobilization and stabilization

3. Nucleic Acids immobilization
4. Protein characterization (UV-Vis, CD and Fluorescence spectroscopy, PAG electrophoresis)
5. Nanostructure synthesis
6. Nanoparticles functionalization (CNTs or metal nanostructures)
7. Electrophoresis

### Current Interests

1. Study of nanoparticles surface properties with some electrochemical techniques, for example SPR , AFM etc.
2. Biosensor designing for cancer diagnosis
3. Synthesis and application of biomaterials

### Training

Biophysics  
 Biophysical Chemistry  
 Radiation Biology  
 Biological Statistics  
 Biology  
 Zoology (with its laboratory)

### Publication

1. **Determination of pore/protein Size via electrophoresis and slit sieve model.** Mohammad N. Sarbolouki, Karim Mahnam, Hossain-Ali Rafiee-Pour. *Electrophoresis*, 2004, 25, 2907–2911.
2. **Electrochemistry of oriented Cytochrome c monolayer on modified gold electrode and its in situ denaturation in organic/aqueous medium.** Hossain-Ali Rafiee-Pour, Hassan Shafiey, Hedayatollah Ghourchian. *Analytical & Bioanalytical Electrochemistry*, 2009, Vol. 1, No. 3, 126–141.
3. **Ionic-liquid/NH<sub>2</sub>-MWCNTs as a highly sensitive nano-composite for catalase direct electrochemistry.** Parvaneh Rahimi, Hossain-Ali Rafiee-pour, Hedayatollah Ghourchian, Parviz Norouzi, Mohammad Reza Ganjali. *Biosensors & Bioelectronics*, 2010, 25, 1301–1306.
4. **Sensitive superoxide biosensor based on silicon carbide nanoparticles.** Hossain-Ali Rafiee-Pour, Abdollah Noorbakhsh, Abdollah Salimi, Hedayatollah Ghourchian. *Electroanalysis*, 2010, Vol. 22, No. 14, 1599–1606.
5. **Detection and dosimetry of gamma ray emitted from thallium-201 and technetium-99m based on chemiluminescence technique.** Mostafa Shourian, Hassan Tavakoli, Hedayatollah Ghourchian, Hossain-Ali Rafiee-Pour. *Radiation Measurements*, 2010, 45, 906–910.
6. **Alcohol dehydrogenase immobilization on functionalized carbon nano-tubes modified electrode.** Seyed Ahmad Dehdast, Hedayatollah Ghourchian, Hossain-Ali Rafiee-pour. *Journal of Paramedical Sciences*, 2010, Vol.1, No.3, 22–26.
7. **Dose rate determination of gamma rays emitted by thallium-201 and technetium-99m using a modified horseradish peroxidase based biosensing system.** Mostafa Shourian, Hedayatollah

Ghourchian, Hossain-Ali Rafiee-Pour, Hassan Tavakoli. *Journal of the Iranian Chemical Society*, 2010, 7, 900–907.

8. **Amine functionalized TiO<sub>2</sub> coated on carbon nanotube as a nano material for direct electrochemistry of glucose oxidase and glucose biosensing.** Mahboubeh Tasviri, Hossain-Ali Rafiee-Pour, Hedayatollah Ghourchian, Mohammad R. Gholami. *Journal of Molecular Catalysis B: Enzymatic*, 2011, 68, 206–210.
9. **Direct voltammetry of copper, zinc-superoxide dismutase immobilized onto electrodeposited nickel oxide nanoparticles: Fabrication of amperometric superoxide biosensor.** Abdollah Salimi, Abdollah Noorbakhsh, Hossain-Ali Rafiee-Pour, Hedayatollah Ghourchian. *Electroanalysis*, 2011, Vol. 23, No. 3, 683–691.
10. **A biocompatible nanocomposite for glucose sensing.** Parvaneh Rahimi, Hedayatollah Ghourchian, Hossain-Ali Rafiee-pour, Parviz Norouzi, Mohammad Reza Ganjali. *International Journal of Electrochemistry*, 2011, 2011, 7 pages (DOI:10.4061/2011/470607).
11. **Cysteine function in superoxide dismutase direct electrochemistry and superoxide anion detection.** Hossain-Ali Rafiee-pour, Hedayatollah Ghourchian, Khadijeh Eskandari. *Analytical & Bioanalytical Electrochemistry*, 2011, Vol. 3, No. 3, 215–226.
12. **Superoxide radical biosensor based on a nano-composite containing cytochrome c.** Parvaneh Rahimi, Hedayatollah Ghourchian, Hossain-Ali Rafiee-Pour. *Analyst*, 2011, 136, 3803–3808.
13. **Amine functionalized TiO<sub>2</sub>-carbon nanotube composite: Synthesis, characterization and application to glucose biosensing.** Mahboubeh Tasviri, Hossain-Ali Rafiee-Pour, Hedayatollah Ghourchian, Mohammad R. Gholami. *Applied Nanoscience*, 2011, 1, 189–195.
14. **Horseradish peroxidase immobilization on amine functionalized carbon nanotube: direct electrochemistry and bioelectrocatalysis.** Mahboubeh Tasviri, Hedayatollah Ghourchian, Mohammad R. Gholami, Hossain-Ali Rafiee-Pour. *Progress in Reaction Kinetics and Mechanism*, 2012, 37, 161–172.
15. **The effect of functionalization of mesoporous silica nanoparticles on the interaction and stability of confined enzyme.** Mojtaba Falahati, Ali Akbar Saboury, Leila Ma'mani, Abbas Shafiee, Hossain-Ali Rafiee-Pour. *International Journal of Biological Macromolecules*, 2012, Vol. 50, No. 4, 1048–1054.
16. **Accelerating the electron transfer of choline oxidase using ionic-liquid/NH<sub>2</sub>-MWCNTs nano-composite.** Sharareh Sajjadi, Hedayatollah Ghourchian, Hossain-Ali Rafiee-Pour, Parvaneh Rahimi. *Journal of the Iranian Chemical Society*, 2012, Vol. 9, No. 2, 111–119.
17. **A nano-composite based biosensor for cholesterol determination.** Somayeh Karimi, Hedayatollah Ghourchian, Parvaneh Rahimi, Hossain-Ali Rafiee-Pour. *Analytical Methods*, 2012, Vol. 4, 3225–3231.
18. **Cytotoxicity assessment of gold nanoparticle-chitosan hydrogel nanocomposite as an efficient support for cell immobilization: Toward sensing application.** Mohammad Reza Ramezani, Hossein Naderi-Manesh, Hossain Ali Rafiee Pour. *Environmental Studies of Persian Gulf*, 2014, 1(2), 126-134.
19. **A superoxide dismutase mimic nanocomposite for amperometric sensing of superoxide anions.** Fariba Dashtestani, Hedayatollah Ghourchian, Khadijeh Eskandari, Hossain-Ali Rafiee-Pour. *Microchimica Acta*, 2015, Vol. 182, 1045–1053.

20. **Recent trends in electrochemical microRNA biosensors for early detection of cancer.** Mahin Keshavarz, Mohsen Behpour, Hossain-Ali Rafiee-Pour. *RSC Advances*, 2015, Vol. 5, 35651–35660.
21. **Nanocrystalline TiO<sub>2</sub> films containing sulfur and gold: Synthesis, characterization and application to immobilize and direct electrochemistry of cytochrome c.** Hossain-Ali Rafiee-Pour, Masood Hamadani, Samaneh Katebi Koushali. *Applied Surface Science*, 2016, Vol. 363, 604–612.
22. **A novel label-free electrochemical miRNA biosensor using methylene blue as redox indicator: application to breast cancer biomarker miRNA-21.** Hossain-Ali Rafiee-Pour, Mohsen Behpour, Mahin Keshavarz. *Biosensors and Bioelectronics*, 2016, Vol. 77, 202–207.
23. **Direct DNA Immobilization onto a Carbon Nanotube Modified Electrode: Study on the Influence of pH and Ionic Strength.** Hossain-Ali Rafiee-Pour, Mohsen Behpour, Mahin Keshavarz. *Journal of Nanostructures*, 2016, Vol. 6, 235-244.
24. **Immobilization of cytochrome c and its application as electrochemical biosensors.** Zahra Sadat Aghamiri, Mohsen Mohsennia, Hossain-Ali Rafiee-Pour. *Talanta*, 2018, Vol. 176, 195-207.
25. **Thermodynamic and kinetic studies of As<sub>2</sub>O<sub>3</sub> toxicological effects on human insulin in generation diabetes mellitus.** Mohsen Mohsennia, Atieh Motaharnejad, Hossain-Ali Rafiee-Pour, Marzieh Torabbeigi. *Russian Journal of Physical Chemistry A*, 2017, Vol. 91, No. 12, pp. 2475-2480.
26. **Fabrication and characterization of cytochrome c-immobilized polyaniline/multi-walled carbon nanotube composite thin film layers for biosensor applications.** Zahra Sadat Aghamiri, Mohsen Mohsennia, Hossain-Ali Rafiee-Pour. *Thin Solid Films*, 2018, Vol. 660, 484-492.
27. **Catalase immobilization onto magnetic multi-walled carbon nanotubes: Optimization of crucial parameters using response surface methodology.** Hossain-Ali Rafiee-Pour, Mahboubeh Nejadhosseini, Masoumeh Firouzi, Saeed Masoum. *New Journal of Chemistry*, 2019, Vol. 43, No. 2, 593-600.
28. **Electrochemical determination of gallic acid in *Camellia sinensis* (L.) Kuntze, *Viola odorata* L., *Commiphora wightii* (Arn.) Bhandari and *Vitex agnus-castus* L. by MWCNTs-COOH modified CPE.** Sheida Sarafraz, Hossain-Ali Rafiee-Pour, Maryam Khayatkashani, Asa Ebrahimi. *Journal of Nanostructures*, 2019, Vol. 9, No. 2, 384-395.
29. **Immobilization of cytochrome c on polyaniline/polypyrrole/carboxylated multi-walled carbon nanotube/glassy carbon electrode: Biosensor fabrication.** Zahra Sadat Aghamiri, Mohsen Mohsennia, Hossain-Ali Rafiee-Pour. *Journal of Solid State Electrochemistry*, 2019, Vol. 23, No. 7, 2233-2242.

## Contributions to Workshops, Seminars, and Conferences

- 1. New advancements in electrophoresis.** Mohammadnabi Sarbolouki, Nahid Maleki, Hossain-Ali Rafiee-Pour. The 5<sup>th</sup> National Biotechnology Congress of Iran, November 24-26, 2007, Summit Meeting Conference Hall, Tehran, Iran.
- 2. Detection of superoxide anion by gold enzyme electrode.** Fatemeh Amini Akbarabadi, Hossain-Ali Rafiee-Pour, Hedayatollah Ghourchian. The 7<sup>th</sup> Biennial Electrochemistry Seminar of Iran (7 BES), August 28-30, 2007, Urmia University, Western Azerbaijan, Iran.
- 3. Application of functionalized-multiwall carbon nanotubes for detection of thiocholine.** Bahareh Zahedi, Hossain-Ali Rafiee-Pour, Seyed Abbas Shojaosadati, Hedayatollah Ghourchian. The 8<sup>th</sup> Iran Biophysical Chemistry Conference, March 11-13, 2008, University of Sistan & Baluchestan, Sistan & Baluchestan, Iran.
- 4. Cyclic voltammetry of cytochrome c on gold nanoparticles modified Au electrode in presence of dimethyl sulphoxide.** Sanaz Emami, Hossain-Ali Rafiee-Pour, Hedayatollah Ghourchian. The 8<sup>th</sup> Iran Biophysical Chemistry Conference, March 11-13, 2008, University of Sistan & Baluchestan, Sistan & Baluchestan, Iran.
- 5. MP-11/NH<sub>2</sub>-FSM16 nanozyme as an artificial peroxidase; kinetic and voltammetric studies.** Yahya Sefidbakht, Hossain-Ali Rafiee-Pour, Farzaneh Farivar, Khodadad Nazari, Hedayatollah Ghourchian, A. A. Moosavi- Movahedi. The First Regional Symposium on Bioelectrochemistry, October 13-15, 2008, Institute of Biochemistry and Biophysics, University of Tehran, Tehran, Iran.
- 6. Cysteine role on electron transferring in Cu, Zn-superoxide dismutase.** Hossain-Ali Rafiee-Pour, Hasan Shafiey, Hedayatollah Ghourchian. The First Regional Symposium on Bioelectrochemistry, October 13-15, 2008, Institute of Biochemistry and Biophysics, University of Tehran, Tehran, Iran.
- 7. The direct electron transfer of Glucose Oxidase based on magnetic carbon nanotubes.** Hossain-Ali Rafiee-Pour, Leila Meskoub Haghghi, Mahdi Riazati-Keshe, Hedayatollah Ghourchian. The First Regional Symposium on Bioelectrochemistry, October 13-15, 2008, Institute of Biochemistry and Biophysics, University of Tehran, Tehran, Iran.
- 8. Glucose biosensor based on DBD plasma functionalized multiwalled carbon nanotubes.** F. Khodadadi, S.M. Hossainipour, M. Soltanieh, H. Ghourchian, H.A. Rafieepour. The 5<sup>th</sup> Analytical Electrochemistry Conference of Iran, May 7-8, 2009, Tarbiat Modares University, Tehran, Iran.
- 9. Direct electrochemistry of choline oxidase at carbon nanotube-ionic liquid modified electrode.** S. Sajjadi, H.A. Rafiee-Pour, P. Rahimi, H. Ghourchian, A. Keyhan. The 8<sup>th</sup> Biennial Electrochemistry Seminar of Iran, July 14-16, 2009, University of Kurdistan, Sanandaj, Iran.
- 10. Dielectric barrier discharge plasma functionalized carbon nanotubes for glucose biosensing application.** F. Khodadadi, S.M. Hossainipour, M. Soltanieh, H.A. Rafiee-Pour, H. Ghourchian. The 8<sup>th</sup> Biennial Electrochemistry Seminar of Iran, July 14-16, 2009, University of Kurdistan, Sanandaj, Iran.
- 11. Direct electrochemistry and electrocatalysis of catalase immobilized on RTIL/functionalized-MWCNTs film.** P. Rahimi, H.A. Rafiee-Pour, H. Ghourchian, P. Norouzi, M.R. Ganjali. The 8<sup>th</sup> Biennial Electrochemistry Seminar of Iran, July 14-16, 2009, University of Kurdistan, Sanandaj, Iran.

12. **A bioelectrochemical method for detection of ionizing ray sources.** M. Shourian, H. A. Rafiee-Pour, H. Ghourchian, H. Tavakoli. The 8<sup>th</sup> Biennial Electrochemistry Seminar of Iran, July 14-16, 2009, University of Kurdistan, Sanandaj, Iran.
13. **A novel disposable functionalized-carbon nanotube/ionic liquid modified screen-printed biosensor for glucose detection.** P. Rahimi, H.A. Rafiee-pour, H. Ghourchian, P. Norouzi, M.R. Ganjali. The 9<sup>th</sup> Iran Biophysical Chemistry Conference, February 24-25, 2010, Tarbiat Modares University, Tehran, Iran. (Published in: Journal of the Iranian Chemical Society, Vol. 7, Suppl. 1, S 17, February 2010).
14. **Direct electrochemistry of chemically modified Laccase immobilized on carbon nanotube-ionic liquid composite.** H. Faridnouri, H.A. Rafiee-pour, H. Ghourchian. The 9<sup>th</sup> Iran Biophysical Chemistry Conference, February 24-25, 2010, Tarbiat Modares University, Tehran, Iran. (Published in: Journal of the Iranian Chemical Society, Vol. 7, Suppl. 1, S 17, February 2010).
15. **Detection and dosimetry of gamma ray through reduction of cytochrome C based on superoxide radical anion production.** H. Tavakoli, M. Shourian, H. Ghourchian, H.A Rafiee-Pour, M.M. Modarres Mosalla. The 9<sup>th</sup> Iran Biophysical Chemistry Conference, February 24-25, 2010, Tarbiat Modares University, Tehran, Iran. (Published in: Journal of the Iranian Chemical Society, Vol. 7, Suppl. 1, S 17, February 2010).
16. **Ethanol biosensor based on the alcohol dehydrogenase immobilized on carbon nanotubes adsorbed on methylene green nano-layer.** Seyed Ahmad Dehdast, Hossain-Ali rafiee-pour, Mohammad Shabani, Hedayatollah Ghourchian. The 9<sup>th</sup> Iran Biophysical Chemistry Conference, February 24-25, 2010, Tarbiat Modares University, Tehran, Iran. (Published in: Journal of the Iranian Chemical Society, Vol. 7, Suppl. 1, S 17, February 2010).
17. **Carbon nanotube-ionic liquid composite for choline biosensing.** S. Sajjadi, H.A. rafiee-pour, H. Ghourchian, A.H. Keyhan. Proceedings of 3<sup>rd</sup> IUMS conference on application of nanotechnology in medicine and biomedical sciences, Razi Center, Iran University of Medical Science, Tehran, Iran. P. 9, February 2010.
18. **Fabrication a nanobiosensor based on alcohol dehydrogenase and carbon nanotubes for alcohol detection.** Seyed Ahmad Dehdast, Hossain-Ali rafiee-pour, Shabnam Vojudi Nobakht, Mohammad Shabani, Hedayatollah Ghourchian. Proceedings of 3<sup>rd</sup> IUMS conference on application of nanotechnology in medicine and biomedical sciences, Razi Center, Iran University of Medical Science, Tehran, Iran. P. 114, February 2010.
19. **Sensitivity improvement for glucose biosensing based on the nano-composite of ionic liquid-amine functionalized-carbon nanotubes.** Hossain Ali Rafiee-pour, Parvaneh Rahimi, Hedayatollah Ghourchian. Proceedings of 3<sup>rd</sup> IUMS conference on application of nanotechnology in medicine and biomedical sciences, Razi Center, Iran University of Medical Science, Tehran, Iran. P. 119, February 2010.
20. **Electrochemistry and electrocatalysis of choline oxidase based on Ionic-liquid/NH<sub>2</sub>-MWCNTs nano-composite.** Sharareh Sajjadi, Hedayatollah Ghourchian, Amir-Homayoon Keyhan, Hossain-Ali Rafiee-Pour, Parvaneh Rahimi. The 61<sup>th</sup> Annual Meeting of the International Society of Electrochemistry. September 26<sup>th</sup>-October 1<sup>st</sup>, 2010, Nice, France.
21. **Interaction between arsenic trioxide and human insulin in generation diabetes mellitus:**

- Thermodynamic and kinetic studies.** A. Motaharnejad, H. A. Rafiee-pour, M. Mohsennia. The 6<sup>th</sup> Annual Seminar of Electrochemistry of Iran, October 9-11, 2010, Kish International Convention Center, Iran.
- 22. Direct electrochemistry of cytochrome c immobilized in ionic liquid/hoc-MECNTs and its application for superoxide sensing.** P. Rahimi, H.A. Rafieepour, H. Ghourchian, P. Norouzi, M.R. Ganjali. The 3<sup>rd</sup> International Congress on Nanoscience and Nanotechnology. November 9-11, 2010, Shiraz University, Shiraz, Iran.
  - 23. An electrochemical biosensing system for direct electrochemistry of cytochrome c and quantification of superoxide radical.** H. Ghourchian, P. Rahimi, H.A. Rafiee-Pour. The 9<sup>th</sup> Biennial Electrochemistry Seminar of Iran, January 14-16, 2011, University of Yazd, Yazd, Iran.
  - 24. Effect of different RTIL-CNT nano-composites on the electrochemistry and electrocatalysis of choline oxidase.** P. Rahimi, H. Ghourchian, S. Sajjadi, H.A. Rafiee-Pour. XXI International Symposium on Bioelectrochemistry and Bioenergetics. 8-10 May 2011, Cracow, Poland.
  - 25. Direct electrochemistry of chemically modified tyrosinase immobilized on carbon nanotube-ionic liquid composite.** H. Faridnouri, H. Ghourchian, H.A. Rafiee-Pour. 2<sup>nd</sup> International Conference on Bio-sensing Technology. International Symposium on Bioelectrochemistry and Bioenergetics. 10-12 October 2011, Amsterdam, Netherlands.
  - 26. Artificial superoxide dismutase activity of copper-cysteine to electrochemical detection of superoxide.** Fariba Dashtestani, Hedayatollah Ghourchian, Hossain-Ali Rafiee-Pour, Khadijeh Eskandari. The First International & 11<sup>th</sup> Iran Biophysical Chemistry Conference, June 13-15, 2012, Ardabil University of Medical Sciences, Ardabil, Iran. (Published in: Journal of the Iranian Chemical Society, Vol. 9, Suppl. 1, A 108, June 2012).
  - 27. A novel superoxide dismutase mimic based on copper (II) complex.** Fariba Dashtestani, Hedayatollah Ghourchian, Khadijeh Eskandari, Hossain-Ali Rafiee-Pour. 1<sup>st</sup> Tabriz International Life Science Conference & 11<sup>th</sup> Iran Biophysical Chemistry Conference, May 22-24, 2013, Tabriz University of Medical Sciences, Tabriz, Iran.
  - 28. Glucose Oxidase immobilization on the modified substrate with nano-composite containing carboxyl functionalized carbon nanotube and cobalt oxide nanoparticles.** S. M. Ghoreishi, H. A. Rafiee-Pour, H. Emadi, I. Etesami. The 16<sup>th</sup> Iranian Chemistry Congress (16ICC), September 7-9, 2013, Yazd University, Yazd, Iran.
  - 29. Direct electron transfer between cytochrome c and TiO<sub>2</sub>/Ag nanocomposite electrode.** Hossain-Ali Rafiee-Pour, Masood Hamadani, Marjan Badii. The 11<sup>th</sup> Biennial Electrochemistry Seminar of Iran, September 9-11, 2014, University of Guilan, Rasht, Iran.
  - 30. Catalase Immobilization onto Sonicationally-Functionalized Multiwalled Carbon Nanotubes.** Hossain-Ali Rafiee-Pour, Masoumeh Firouzi, Rasoul Beheshtifar, Mahboubeh Nejadhosseinian. The 11<sup>th</sup> Biennial Electrochemistry Seminar of Iran, September 9-11, 2014, University of Guilan, Rasht, Iran.
  - 31. Direct electrochemistry of cytochrome c on TiO<sub>2</sub>/Au nanocomposite modified electrode.** Masood Hamadani, Hossain-Ali Rafiee-Pour, Samaneh Katebi Koushali. The 11<sup>th</sup> Biennial Electrochemistry Seminar of Iran, September 9-11, 2014, University of Guilan, Rasht, Iran.

32. **Development immobilization of DNA onto a carbon nanotube modified electrode and characterization by electrochemical techniques.** Mohsen Behpour, Hossain-Ali Rafiee-Pour, Mahin Keshavarz. The 11<sup>th</sup> Biennial Electrochemistry Seminar of Iran, September 9-11, 2014, University of Guilan, Rasht, Iran.
33. **Amination of multiwalled carbon nanotubes and investigation of its efficiency in glucose oxidase immobilization.** H. Fahimitabar, H. A. Rafiee-Pour, L. Moradi. The 5<sup>th</sup> International Congress on Nanoscience & Nanotechnology (ICNN2014), October 22-24, 2014, Tarbiat Modares University, Tehran, Iran.
34. **Interaction non-enzymatic electrochemical detection of superoxide anion based on gold nanoparticles.** Fariba Dashtestani, Hedayatollah Ghourchian, Hossain-Ali Rafiee-Pour. The 10<sup>th</sup> Annual Electrochemistry Seminar of Iran, November 26-27, 2014, Iran University of Science and Technology, Tehran, Iran.
35. **Immobilization and bioelectrochemistry of cytochrome con nanoporous TiO<sub>2</sub> and ZnO films.** Masood Hamadani, Hossain-Ali Rafiee-Pour, Samaneh Katebi Koushali. The 13<sup>th</sup> Conference on Biophysical Chemistry, May 26-27, 2015, University of Mohaghegh Ardabili, Ardabil, Iran.
36. **Isolation of microorganisms from rosewater industry wastewater.** Mohammad Goodarzi, Hossain-Ali Rafiee-Pour, Fereshteh Jookar Kashi, Azam Ghorbani, Ali Mohammadi. The 16<sup>th</sup> International and Iranian Congress of Microbiology, August 25-27, 2015, Shahid Beheshti University, Tehran, Iran.
37. **An electrochemical nanobiosensor for early detection of breast cancer biomarker miRNA-21, using methylene blue as redox indicator, graphene oxide and polyaniline.** Hossain-Ali Rafiee-Pour, Nafiseh sharifi, Sedigheh falahi . The First International Personalized Medicine Congress of Iran. Febuary 25-27, 2018, Tehran, Iran.
38. **Early cancer detection based on guanine oxidation consequent to the hybridization between miRNA-21 and it's inosine substitute capture probe.** Hossain-Ali Rafiee-Pour, Mohsen Behpour, Negin Nikzad. The 2<sup>nd</sup> International Personalized Medicine Congress of Iran. January 13-15, 2018, Tehran, Iran.
39. **The effect of carob pods extract on the rat's testosterone hormone.** Hossain-Ali Rafiee-Pour, Hasan Flah Hosseini, Hamid Reza Jamshidi, Amir Arsalan Shakeri. 7<sup>th</sup> National Congress on Medicinal Plants, May 12-14, 2018, University of Shiraz, Shiraz, Iran.
40. **Ki67 as a predictor marker in patients with triple negative breast cancer.** Behnaz Motamedi, Azar Baradaran, Mohammad-Reza Khosravi, Rafiee-Pour Hossain-Ali, Amjadi Elham. The 20<sup>th</sup> Annual Congress and the 3th International Congress of Pathology and Laboratory Medicine. December 5-7, 2018, Tehran, Iran.
41. **Recent advances in AuNPs based nanomaterials for photodynamic therapy.** Maryam Mansouri, Hossain-Ali Rafiee-Pour, Sedigheh Falahi. 2nd International Congress on Biomedicine. December 21-24, 2018, Tehran, Iran.