

# CURRICULUM VITAE

## PERSONAL INFORMATION

**First name:** Seyed Mohammad  
**Surname:** Moshtaghioun  
**Date of Birth:** 21 September 1970  
**Sex:** Male      **Status:** Married      **Nationality:** Iranian



Biology Department, Faculty of Sciences, Yazd University, Pajooresh Ave.,  
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## EDUCATION

### GRADUATE

CSIC – Institute of Biocatalysis – Madrid/Spain  
Directed evolution of enzymes

#### **Sabbatical Research**

October 2010 – April 2011

National Institute for Genetic Engineering & Biotechnology

**Major:** Biology (Molecular Genetics)

**Degree:** PhD.

January 2007 – September 2011

Tehran University

**Major:** Cell & Molecular Biology

**Degree:** M.S.Ph.

September 1996 – November 1999

### UNDERGRADUATE

Isfahan University

**Major:** Microbiology

**Degree:** B.Sc.

September 1992 – January 1996

Shahid Sadoughi University of Medical Sciences-Yazd

**Major:** Laboratory Sciences

**Degree:** Technician

September 1989 – October 1991

## AWARDS

- First Student in B.Sc. Degree in Microbiology - Isfahan University – 1996.
- Second Student in M.S.Ph. Degree in Cell & Molecular Biology - University of Tehran – 1999.
- PhD scholarship - Ministry of Science, research and Technology of I.R.Iran – 2008.
- Sabbatical Research scholarship - Ministry of Science, research and Technology of I.R.Iran – 2010.

## WORK EXPERIENCE

- Yazd University – Biology Department  
August 2001 – January 2007, August 2014 – August 2018  
**Position:** Head of Biology Department  
From August 2001 to present date  
**Position:** Academic Member  
Lecturer of Genetics, Microbiology, Protozoology, Cell and Molecular Biology & General Biology Courses for Environmental Eng. & Biology Students.  
Responsible for Biology Department Establishment Project: Laboratories Setting &...
- Yazd Science & Technology Park  
March 2004 – July 2004  
**Position:** Advisor of Enterprises Affairs  
October 2002 – March 2004  
**Position:** Manager of Enterprises Affairs  
November 2001 – October 2002  
**Position:** Secretary of Executive Board
- Research & Clinical Centre for Infertility, Yazd  
From March 2001  
**Position:** Research Biologist
- University of Science & Arts (Yazd branch)  
August 2010 – January 2017  
**Position:** Invited Academic Member  
Lecturer of Genetics, Genome Organization & Genetics of Prokaryotes.
- Islamic Azad University (Ashkezar branch)  
August 2011 – January 2016  
**Position:** Invited Academic Member  
Lecturer of Genetic Engineering & Genetics of Cancer.

- Payame Noor University (Meybod, Yazd & Taft branches)  
August 2004 – August 2007  
**Position:** Invited Academic Member  
Lecturer of Genetics, Microbiology, General Biology, Protozoology, Cell & molecular biology, Recombinant DNA Technology, Biophysics of Life Origin & Evolution.
- Shahid Seyed Mustafa Khomeini Hospital, Khorasan – Tabas  
From November 1991 to June 1992  
**Position:** Laboratory Technician

### STRATEGIC & RESEARCH COUNCILS

- Member of Yazd Council for Stem Cell & Regenerative Medicine Sciences and Technologies  
**From July 2015**
- Member of Research Council of Research Center for Food Hygiene and Safety  
**From August 2016**
- Member of Research Council of Stem Cell Biology Research Center of Yazd Reproductive Sciences Institute  
**From July 2019**
- Member of Research Council of Abortion Research Center  
**From July 2018**

### SCIENTIFIC SOCIETIES

- Iranian Biotechnology Society  
From November 2004  
**Position:** Associate Member
- Iranian Genetics Society  
From November 2004  
**Position:** Associate Member
- Biosafety Society of Iran  
From November 2004  
**Position:** Associate Member
- Iranian Tissue Engineering and Regenerative Medicine Society (ITERMS)  
From July 2018  
**Position:** Associate Member

## PROJECTS

- Evaluation of Semen Parameters in Yazd Rubber Industry Workers
- Evaluation of Semen Parameters in Lead Mines Workers in Yazd Province
- Survey on Chromosome-gene defects on infertile men.
- Primary Studies & Design of Yazd Science & Technology Park Primary Incubator
- Cumulative Design Studies of Yazd Research Park & Executing Those Infrastructure
- Study of Effects of Extremely-low-frequency Pulsed Electromagnetic Fields on Collagen Synthesis in Rat Lung.
- Designing of a Hydrogen Peroxide Biosensor based on Polyaniline-Hb Modified Glassy Carbon Electrode.
- Isolation, Screening and Transfer of Cellulase Gene from *Bacillus subtilis* to Lysine Producing Mutants of *Brevibacterium flavum*.
- Investigation of Polymorphisms in Exon 2 of *BMP15* Gene and Exon 9 of *ALK6* Gene in Iranian Infertile Women with Premature Ovarian Failure Compared to Healthy Women.
- Identification of Mitochondrial *tRNA<sup>Lys, Ser, Leu (UUR) & Leu (CUN)</sup>* Genes Mutations in Iranian Women with Idiopathic Recurrent Pregnancy Loss.
- Durability Evaluation of Human Vaginal Epithelial Cells on Electrospun Silk Fibroin/Polyurethane Scaffold.
- An Evaluation of Electrospun Silk Fibroin/Polyurethane Scaffold Compatibility for Human Embryonic Stem Cells Growth.
- Evaluation of Markers of Breast, Ovarian and Gastric Cancer Markers in Rats Fed Transgenic Tarom Molai Rice.
- An Evaluation of Electrospun Silk Fibroin/Polyurethane Scaffold Compatibility for Epithelial Cells Derived from Human Embryonic Stem Cells.
- Isolation of Human Vaginal Stem Cells and Evaluation of Mesenchymal Characters.
- Prediction of oocyte developmental competence using differential gene expression profile in cumulus cells entoured the oocyte of Iranian patients with polycystic ovary syndrome compared to healthy women.
- Yazd University Green Management Comprehensive Plan.

## CONGRESS & SEMINARS

- Moshtaghioun SM., Elahi E., et al. Isolation of *EcoRI* from a High Producing Strain and a Restriction Enzyme from a Local Bacterium. The 8<sup>th</sup> Iranian Biology Conference. Kermanshah – Iran - 1999.

- Moshtaghioun SM., Elahi E., et al. Isolation & Purification of *EcoRI* from a High Producing Strain. The First Iranian Biotechnology Conference Proceeding. Tehran – **2000**.
- Moshtaghioun SM., Elahi E., et al. Isolation & Purification of *EcoRI* from a High Producing Strain. The First Iranian Biotechnology Conference. Tehran – Iran - **2000**.
- Moshtaghioun SM., Supportive Services in STPs & Incubators. The 3th Congress of Iranian STPs & Incubators Directors. Yazd – Iran - **2004**.
- Moshtaghioun SM., Rezaei-Zarchi S., Effects of Extremely-low-frequency Pulsed Electromagnetic Fields on Collagen Synthesis in Rat Lung. 31<sup>th</sup> FEBS Congress. The FEBS Journal, 273, PP-1069. Istanbul -Turkey - **2006**.
- Moshtaghioun SM., Rezaei-Zarchi S., Hydrogen Peroxide Biosensor based on Polyaniline-Hb Modified Glassy Carbon Electrode. Tehran – Iran – IBC **2006**.
- Moshtaghioun S. M. , Javed A. , Rezaei-Zarchi S., Isolation, Screening and Transfer of Cellulase Gene from *Bacillus subtilis* to Lysine Producing Mutants of *Brevibacterium flavum*. The 9th Iranian Congress of biochemistry & the 2th International Congress of Biochemistry and Molecular Biology. Shiraz - Iran – **2007**.
- Haghbeen K., Moshtaghioun S. M., Legge R.L., Xerogels: Potentials and Drawbacks for Enzymes Immobilization. The 6th National Biotechnology Congress of Iran Proceeding. Tehran-Iran – **2009**.
- Moshtaghioun S. M., Haghbeen K., A Direct and Accurate Spectrophotometric Method for Assaying the Laccase Activity. OxiZymes & 9th International Symposium on Peroxidases. Leipzig - Germany - **2010**.
- Moshtaghioun S. M., Haghbeen K., Interesting Results from the Preliminary Studies on the Optimization of the *Neurospora crassa* (FGSC #321) Growth and Laccase Production. The 16th National and 4th International Conference of Biology. Mashhad – Iran – **2010**.
- Diana Maté, Eva García-Ruiz, Mohammad Moshtaghioun, Susana Camarero, Miguel Alcalde, Directed evolution of a high-redox potential laccase in *Saccharomyces cerevisiae*: improving functional expression, thermostability and kinetic properties. Madrid – Spain – CMIBM **2010**.
- Moshtaghioun S. M., "A Direct and Accurate Spectrophotometric Method for Assaying Laccase" Oral presentation, Madrid-Spain-ICP-CSIC, February **2011**.

- Bahremandjooy K., Moshtaghioun S. M., Haghbeen K., Catalytic activity of laccase from *Neurospora crassa* in the presence of organic solvents. The 7th National Biotechnology Congress of Iran. Tehran-Iran – **2011**.
- Dadkhah M., Moshtaghioun S. M., Haghbeen K., Investigation of tyrosinase production by *Neurospora crassa*. The 7th National Biotechnology Congress of Iran. Tehran-Iran – **2011**.
- Mehri Khatami, Mohammad Mehdi Heidari, Seyed Mohammad Moshtaghioun, Monireh Eghbali, Mitochondrial DNA mutation at 14766C>T in Iranian long QT syndrome patients. 13th ICB & 5th ICBMB. Yazd-Iran – **2013**.
- Mohammad Mehdi Heidari, Mehri Khatami, Alireza Talebi, Fahime Moezzi, Seyed Mohammad Moshtaghioun, A novel mutation in *TNP2* gene in Iranian varicocele infertile men. The Third Iranian Congress of Medical Genetics. Tehran-Iran – **2013**.
- Mehri Khatami, Mohammad Mehdi Heidari, Seyed Mohammad Moshtaghioun, Zahra Saghachi, Identification of *angiotensin* gene mutations in atherosclerosis patients. The Third Iranian Congress of Medical Genetics. Tehran-Iran – **2013**.
- Khatami, M; Heidari, MM; Dianat, T; Moshtaghioun, M; Mutation Analysis of Mitochondrial *ND4L* Gene in Iranian Infertile Men with Varicocele. International Journal of Fertility & Sterility, 7, PP-131, Royan Institute of Iran. Tehran-Iran–**2013**.
- Ali Benvidi, Afsaneh Dehghani Firouzabadi, Seyed Mohammad Moshtaghioun, Mohammad Mazloun Ardakani, Marzieh Dehghan Tezerjani, A Label Free biosensor by glassy carbon electrode modified with graphen and gold nanoparticles for detecting breast cancer. 1st International & 13th Iranian Genetics Congress. Tehran-Iran – **2014**.
- Kohandani, F; Moshtaghioun, SM; Shahhoseini, M; Evaluation of expression level of *BRDT* gene in testis tissues of infertile men referred to ROYAN Institute. 8<sup>th</sup> IRHRC Annual Meeting Reproductive and Infertility Updates. Tehran-Iran-**2015**.
- Tezerjani, Marzieh Dehghan; Benvidi, Ali; Jahanbani, Shahriar; Ardakani, Mohammad Mazloun; Moshtaghioun, Seyed Mohammad; Developing an Electrochemical Biosensor by Using a Modified Glassy Carbon Electrode with Reduced Graphene Oxide for Detection of Breast Cancer Mutation. 18<sup>th</sup> Iranian Chemistry Congress. Semnan-Iran-**2015**.
- Tezerjani, Marzieh Dehghan; Benvidi, Ali; Jahanbani, Shahriar; Ardakani, Mohammad Mazloun; Moshtaghioun, Seyed Mohammad; Comparison of impedimetric detection of DNA hybridization on the modified glassy carbon electrode by using pyrene derivative and nanomaterials. 18<sup>th</sup> Iranian Chemistry Congress. Semnan-Iran-**2015**.

- Amiri Bahmanshiri, Mona; Moshtaghioun, Seyed Mohammad; Falahati, Ali; Genetic variations of *GDF9* Gene in Iranian Infertile Women. Second International & Fourteenth Iranian Genetics Congress. Tehran-Iran-**2016**.
- Zarrin, Parvane; Moshtaghioun, Seyed Mohammad; Ghasemi, Nasrin; Ashrafzadeh, Hamid Reza; Falahati, Ali; Genetic variations in exon 2 of *BMP15* gene and exon 9 of *ALK6* gene in Iranian infertile women with premature ovarian failure. Second International & Fourteenth Iranian Genetics Congress. Tehran-Iran-**2016**.
- Haghghi, Marjan; Moshtaghioun, Seyed Mohammad; Anvari, Morteza; Falahati, Ali; *BMP6* and *BMPR2* gene polymorphisms in Iranian women with polycystic ovary syndrome. Second International & Fourteenth Iranian Genetics Congress. Tehran-Iran-**2016**.
- Amiri Bahmanshiri, Mona; Moshtaghioun, Seyed Mohammad; Falahati, Ali; Evaluation of genetic variations of *GDF9* and *ALK5* genes in Iranian infertile women. The 2<sup>nd</sup> international congress on reproduction. Tehran-Iran-**2016**.
- Kohandani, Fereshteh; Moshtaghioun, Seyed Mohammad; Shahhoseini, Maryam; Association of epigenetic role of BRDT in spermatogenesis and male infertility. The 13<sup>th</sup> international congress of human genetics-ICHG2016. Kyoto-Japan-**2016**.
- Fazel, Nasim; Moshtaghioun, Seyed Mohammad; Genetic Variations of *SERPINA5* Gene Correlated to High Risk of Papillary Thyroid Cancer in Iranian Patients. 2th International & 14th Iranian Genetics Congress. Tehran-Iran-**2016**.
- Ahmadi, Mahbbobeh; Moshtaghioun, Seyed Mohammad; Falahati, Ali; Association of the *CHRNA3 rs1051730* single nucleotide polymorphism with lung cancer risk and prognosis in Iranian patients. 3th Iranian Molecular Medicine Congress. Isfahan-Iran-**2016**.
- Tezerjani, Marzieh Dehghan; Benvidi, Ali; Rezaeinasab, Masoud; Jahanbani, Shahriar; Moshtaghioun, Seyed Mohammad; Majidzadeh, Maryam; Youssefi, Mostafa; Zarrini, Kamran; An impedimetric biosensor based on composite of graphene nano sheets and poly aniline as a suitable platform for prostate cancer detection. The 23<sup>rd</sup> Iranian Seminar of Analytical Chemistry. Tehran-Iran-**2016**.
- Tohidinia, Maryam; Moshtaghioun, Seyed Mohammad; Falahati, Ali; Sefid, Fatemeh; Evaluation of linear and conformational epitopes CarO protein in *Acinetobacter baumannii*. The 2<sup>nd</sup> International and 10th National Iranian Biotechnology Congress. Tehran (Karaj)-Iran-**2017**.
- Barzegari dehaj, A.; Khajeh Mehrizi, M.; Moshtaghioun, S.M.; Chitosan Honey Poly Vinyl Alcohol Nanofiber and Study of Their Morphology Properties. 8<sup>th</sup> TEXTEH International Conference. Bucharest-Romania-**2017**.

- Beykhhormizi, Abdollah; Sarghein, Siavash Hosseini; Sarafraz Ardakani, Mohammad Reza; Moshtaghioun, Seyed Mohammad; Mousavi Kouhi, Seyed Mousa; Effect of Vermicompost Extract on Early Growth of Some Fennel Landraces under Salinity. 5<sup>th</sup> national conference of Iranian society of plant physiology. Zanjan-Iran-**2017**.
- Tohidinia, Maryam; Moshtaghioun, Seyed Mohammad; Falahati, Ali; Sefid, Fatemeh; Evaluation of topology of CarO protein in *Acinetobacter baumannii*. The 2<sup>nd</sup> International and 10th National Iranian Biotechnology Congress. Tehran (Karaj)-Iran-**2017**.
- Faezi, Elahe; Moshtaghioun, Seyed Mohammad; Masoudi, Raheleh; Sarafraz, Mohammad Reza; Ranjbaran, Laleh; The Effect of Thymoquinon on *Twist1a* mRNA in Glioblastoma. West Asia Cancer Conference. Tehran-Iran-**2017**.
- Dehghan-Manshadi, Najmeh; Hadizadeh, Mohsen; Fattahi, Saeed; Moshtaghioun, Seyed Mohammad; Aflatoonian, Behrouz; Nikukar, Habib; Preliminary Study of Electrospun Polyurethane/Silk Nanofibers for Urogenital Tract Tissue Engineering Applications. The Second Nanomedicine and Nanosafety Conference (NMNS 2017). Tehran-Iran-**2017**.
- Majidzadeh, Maryam; Moshtaghioun, Seyed Mohammad; Falahati, Ali; Genetic Variations of *CHRNA5* Gene Correlated to High Risk of Lung Cancer in Iranian Patients. The 2<sup>nd</sup> International Personalized Medicine Congress of Iran. Tehran-Iran-**2018**.
- Dehghan-Manshadi, Najmeh; Hadizadeh, Mohsen; Fattahi, Saeed; Nikukar, Habib; Moshtaghioun, Seyed Mohammad; Javaheri, Atiyeh; Development of polyurethane/silk fibroin electrospun nanofibers for neovagina tissue engineering. The first international Iranian tissue engineering and regenerative medicine congress. Tehran-Iran-**2018**.
- Benvidi, Ali; Banaei, Maryam; Yazdanparast, Samira; Moshtaghioun, Seyed Mohammad; Ghodrati Shatoori, Ehsan; Fabrication of a sandwich type biosensor for detection of human cancer cells by MWCNTs-Poly histidine. ISER - 426<sup>th</sup> International Conference on Chemical and Environmental Science -ICCES2018. Milan-Italy-**2018**.
- Dehghan-Manshadi, Najmeh; Fattahi, Saeid; Hadizadeh, Mohsen; Nikukar, Habib; Moshtaghioun, Seyed Mohammad; Evaluation of the Biocompatibility of Electrospun Silk Fibroin/Elastomeric Polyurethane Hybrid Scaffolds. 11<sup>th</sup> National Textile Engineering Conference. Guilan-Iran-**2018**.
- Behnooye, B.; Lotfi, S.; Moshtaghioun, S. M.; Mortazavi, M.; Falahati, A.; Study of a surface antigenic protein of *acinetobacter baumannii*, ABAYE2132, by



bioinformatics approaches. The 15<sup>th</sup> Iranian national congress of biochemistry and 6<sup>th</sup> International congress of biochemistry and molecular biology. Isfahan-Iran-2018.

- Peyravi, Farzad; Latif, Alimohammad; Moshtaghioun, Seyed Mohammad; Protein tertiary structure prediction using Genetic Algorithm and lattice. 4<sup>th</sup> International Conference on New Studies of Computer and IT. Mashhad-Iran-2018.
- Benvidi, Ali; Banaei, Maryam; Yazdanparast, Samira; Moshtaghioun, Seyed Mohammad; Ghodrati Shatoori, Ehsan; Design and fabrication of a sandwich type biosensor using modified glassy carbon electrode for detection of human cancer cells by MWCNTs-Poly histidine as a platform and signal amplification label. International Conference on Medical Biological and Pharmaceutical Sciences. Budapest-Hungary-2018.
- Mojodi, E.; Moshtaghioun, SM.; Ghasemi, N.; Falahati, A.; Identification of a novel mutation in *MT-TY* gene in patients with idiopathic recurrent miscarriage. The 3<sup>rd</sup> international and 11<sup>th</sup> national biotechnology congress of Islamic republic of Iran. Tehran-Iran-2019.
- Keshavarz, S.; Moshtaghioun, SM.; Eftekhari, M.; Farashahi Yazd, E.; Mirmohammadi, R.; Mohammadi, M.; Akyash, F.; Aflatoonian, B.; Lipid Desaturation in Normal Human Ovarian Surface Epithelium Cell Cultures. 15<sup>th</sup> Congress on Stem Cell Biology and Technology. Tehran-Iran-2019.
- Iranmanesh, Mohammad; Moshtaghioun, Seyed Mohammad; Miresmaeili, Seyed Mohsen; The effect of non-functional SNPs associated with *CDHI-160C/A* on the expression of *CDHI* gene in breast cancer. The 3<sup>rd</sup> international and 11<sup>th</sup> national biotechnology congress of Islamic republic of Iran. Tehran-Iran-2019.
- Behnooye, B.; Lotfi, S.; Moshtaghioun, S. M.; Mortazavi, M.; Falahati, A.; Cloning and Expression of Antigenic ABAYE2132 Protein of *Acinetobacter baumannii* in *E. coli*. The 4<sup>th</sup> Conference on Protein and Peptide Sciences. Isfahan-Iran-2019.
- Mojodi, E.; Moshtaghioun, SM.; Ghasemi, N.; Falahati, A.; Identification of a novel mutation in *MT-TY* gene in patients with idiopathic recurrent miscarriage. 8<sup>th</sup> Yazd International Congress and Student Award in Reproductive Medicine and 3<sup>re</sup> congress of reproductive genetics. Yazd-Iran-2019.
- Keshavarz, S.; Moshtaghioun, SM.; Eftekhari, M.; Farashahi Yazd, E.; Akyash, F.; Aflatoonian, B.; An investigation of the cell stemness of the human ovarian derived epithelial-like cells. 8<sup>th</sup> Yazd International Congress and Student Award in Reproductive Medicine and 3<sup>re</sup> congress of reproductive genetics. Yazd-Iran-2019.
- Beykhhormizi, Abdollah; Sarghein, Siavash Hosseini; Sarafraz Ardakani, Mohammad Reza; Moshtaghioun, Seyed Mohammad; Mousavi Kouhi, Seyed Mousa; Interaction

of worm-produced fertilizer and osmotic stress on the plant growth, membrane stability and antioxidant compounds of fennel (*Foeniculum vulgare Mill*). 6<sup>th</sup> Iranian Conference of Plant Physiology. Yazd-Iran-**2019**.

- Peyravi, Farzad; Latif, Alimohammad; Moshtaghioun, Seyed Mohammad; Protein tertiary structure prediction based on hidden Markov model. Second National Conference on Computer, Information Technology and AI Applications. Ahvaz-Iran-**2019**.
- Dehghan-Manshadi, Najmeh; Fattahi, Saeid; Hadizadeh, Mohsen; Nikukar, Habib; Moshtaghioun, Seyed Mohammad; Javaheri, Atiyeh; Aflatoonian, Behrouz; Composite PU/SF Hybrid Tubular Scaffolds for Fabrication of Engineered Neovagina *In vivo* Explants in a 3D-Culture Perfusion Bioreactor. 8<sup>th</sup> Yazd International Congress and Student Award in Reproductive Medicine and 3<sup>re</sup> congress of reproductive genetics. Yazd-Iran-**2019**.

## PUBLICATIONS

- Moshtaghioun, Seyed Mohammad; Haghbeen, Kamahldin; Lotfi Sahebghadam, Abbas; Legge, Raymond L; Khoshneviszadeh, Rabea; Farhadi, Sahar; Direct spectrophotometric assay of laccase using diazo derivatives of guaiacol. Analytical chemistry, **2011**, 83, 11, 4200-4205.
- Benvidi A., Dehghani Firouzabadi A., Moshtaghioun S. M., Mazloun-Ardakani M., Dehghan Tezerjani M., Ultrasensitive DNA sensor based on gold nanoparticles/reduced graphene oxide/glassy carbon electrode. Analytical biochemistry, **2015**, 484, 24-30.
- Benvidi A., Dehghani Firouzabadi A., Dehghan Tezerjani M., Moshtaghioun S. M., Mazloun-Ardakani M., Ansarin A., A highly sensitive and selective electrochemical DNA biosensor to diagnose breast cancer. Journal of Electroanalytical Chemistry, **2015**, 750, 57-64.
- Benvidi, Ali; Firouzabadi, Afsaneh Dehghani; Moshtaghioun, Seyed Mohammad; Mazloun-Ardakani, Mohammad; Tezerjani, Marzieh Dehghan; Ultrasensitive DNA sensor based on gold nanoparticles/reduced graphene oxide/glassy carbon electrode. Analytical biochemistry, **2015**, 484, 24-30.
- Benvidi, Ali; Tezerjani, Marzieh Dehghan; Moshtaghioun, Seyed Mohammad; Mazloun-Ardakani, Mohammad; An aptasensor for tetracycline using a glassy carbon modified with nanosheets of graphene oxide. Microchimica Acta, **2016**, 183, 5, 1797-1804.

- Miresmaeili, SM; Kordi, DM; Kalantar, SM; Moshtaghioun, SM; Haplotype Analysis of *BRCA1* Gene D17S855 and D17S1322 Markers in Iranian Familial Breast Cancer Patients. *Asian Pacific journal of cancer prevention: APJCP*, **2016**, 17, 7, 3615.
- Miresmaeili, Seyed Mohsen; Tamandani, Dor Mohammad Kordi; Kalantar, Seyed Mehdi; Moshtaghioun, Seyed Mohammad; Haplotype analysis of *BRCA1* intragenic markers in Iranian patients with familial breast and ovarian cancer. *International Journal of Reproductive BioMedicine*, **2016**, 14, 4, 271.
- Benvidi, Ali; Tezerjani, Marzieh Dehghan; Jahanbani, Shahriar; Ardakani, Mohammad Mazloun; Moshtaghioun, Seyed Mohammad; Comparison of impedimetric detection of DNA hybridization on the various biosensors based on modified glassy carbon electrodes with PANHS and nanomaterials of RGO and MWCNTs, *Talanta*, **2016**, 147, 621-627.
- Benvidi, Ali; Tezerjani, Marzieh Dehghan; Firouzabadi, Afsaneh Dehghani; Mazloun-Ardakani, Mohammad; Moshtaghioun, Seyed Mohammad; Application of graphene oxide nanosheets as probe oligonucleotide immobilization platform for DNA sensing. *Journal of the Iranian Chemical Society*, **2016**, 13, 11, 2135-2142.
- Tezerjani, Marzieh Dehghan; Benvidi, Ali; Rezaeinasab, Masoud; Jahanbani, Shahriar; Moshtaghioun, Seyed Mohammad; Youssefi, Mostafa; Zarrini, Kamran; An impedimetric biosensor based on a composite of graphene nanosheets and polyaniline as a suitable platform for prostate cancer sensing. *Analytical methods*, **2016**, 8, 41, 7507-7515.
- Tezerjani, Marzieh Dehghan; Benvidi, Ali; Jahanbani, Shahriar; Moshtaghioun, Seyed Mohammad; Mazloun-Ardakani, Mohammad; A comparative investigation for prostate cancer detection using two electrochemical biosensors based on various nanomaterials and the linker of thioglycolic acid. *Journal of Electroanalytical Chemistry*, **2016**, 778, 23-31.
- Moshtaghioun, Seyed Mohammad; Dadkhah, Maryam; Bahremandjo, Kamran; Haghbeen, Kamahldin; Aminzadeh, Saeed; Legge, Raymond L; Optimization of simultaneous production of tyrosinase and laccase by *Neurospora crassa*. *Biocatalysis and Biotransformation*, **2017**, 35, 1, 1-10.
- Mehrabi, Nahid; Moshtaghioun, Seyed Mohammad; Neamatzadeh, Hossein; Novel mutations of the *CHRNA3* gene in non-small cell lung cancer in an Iranian population. *Asian Pacific journal of cancer prevention: APJCP*, **2017**, 18, 1, 253.
- Aghaei, Roghayyeh; Mazloun-Ardakani, Mohammad; Abdollahi-Alibeik, Mohammad; Moshtaghioun, Seyed Mohammad; Rezaeipoor-Anari, Ali; Haghighijoo, Zahra; Zamani, Leila; A new electrochemical biosensor based on telomeric G-quadruplex DNA: In silico and experimental study of dihydropyridine derivatives

potential effect on telomerase inhibition. *Journal of Electroanalytical Chemistry*, **2017**, 796, 24-32.

- Faraji, Reza; Behjati-Ardakani, Mostafa; Moshtaghioun, Seyed Mohammad; Kalantar, Seyed Mehdi; Namayandeh, Seyedeh Mahdieh; Soltani, Mohammad Hossien; Zandi, Hengameh; Firoozabadi, Ali Dehghani; Banizi, Neda Tavakkoli; Kahtooie, Foroozandeh Qasemi; "Evaluation of epidemiological, clinical, and microbiological features of definite infective endocarditis". *GMS hygiene and infection control*, **2017**, 12.
- Ansarin, Atefeh; Moshtaghioun, Seyed Mohammad; Sharifi, Akbar; Risk of Lung Cancer and Genetic Variations of *TERT* and *CLPTMIL* Genes: A Case-Control Study in an Iranian Population. *International Journal of Human Genetics*, **2018**, 18, 1, 13-21.
- Ahmadi, Mahboobeh; Moshtaghioun, Seyed Mohammad; Falahati, Ali; Association of the *CHRNA3 rs1051730* single nucleotide polymorphism with lung cancer risk in Iranian patients. *SSU Journal*, **2018**, 26, 7, 599-606.
- Faraji, Reza; Behjati-Ardakani, Mostafa; Moshtaghioun, Seyed Mohammad; Kalantar, Seyed Mehdi; Namayandeh, Seyedeh Mahdieh; Soltani, Mohammad Hossien; Emami, Mahmood; Zandi, Hengameh; Firoozabadi, Ali Dehghani; Kazeminasab, Mahmood; The diagnosis of microorganism involved in infective endocarditis (IE) by polymerase chain reaction (PCR) and real-time PCR: A systematic review. *The Kaohsiung journal of medical sciences*, **2018**, 34, 2, 71-78.
- Mazloun-Ardakani, Mohammad; Barazesh, Behnaz; Khoshroo, Alireza; Moshtaghioun, Mohammad; Sheikhha, Mohammad Hasan; "A new composite consisting of electrosynthesized conducting polymers, graphene sheets and biosynthesized gold nanoparticles for biosensing acute lymphoblastic leukemia". *Bioelectrochemistry*, **2018**, 121, 38-45.
- Faraji, Reza; Behjati-Ardakani, Mostafa; Faraji, Nooshin; Moshtaghioun, Seyed Mohammad; Kalantar, Seyed Mehdi; Pedarzadeh, Ali; Zandi, Hengameh; Sarebanhassanabadi, Mohammadtaghi; Ahmadi, Nastaran; Firoozabadi, Ali Dehghani; Molecular diagnosis of bacterial definite infective endocarditis by real-time polymerase chain reaction. *Cardiology research*, **2018**, 9, 2, 99.
- Beykhhormizi, Abdollah; Sarghein, Siavash Hosseini; Sarafraz Ardakani, Mohammad Reza; Moshtaghioun, Seyed Mohammad; Mousavi Kouhi, Seyed Mousa; Alleviation of Salinity Stress by Vermicompost Extract: A Comparative Study on Five Fennel Landraces. *Communications in Soil Science and Plant Analysis*, **2018**, 49, 17, 2123-2130.
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