

### **Personal and General Information:**

**First name:** Sajjad

**Surname:** Sisakhtnezhad

**Date of birth:** September 23, 1980



**Address:** Department of Biology, Faculty of Science, Razi University, Kermanshah, Iran.  
P.O. Box: 6714967346; Tel-Fax: +98 83 34274545.

**Email:** ssisakhtnezhad@gmail.com ; s.sisakhtnezhad@razi.ac.ir

### **Education:**

- **B.Sc.** in Marine Biology, Gorgan University of Agricultural Sciences & Natural Resources, Golestan, Iran, 2003.
- **M.Sc.** in Cell and Molecular Biology, Razi University, Kermanshah, Iran, 2006.
- **Ph.D.** in Cell and Molecular Biology, Ferdowsi University of Mashhad, Mashhad, Iran, 2014.

### **Awards and Honors:**

- Outstanding educational faculty member of the Faculty of Science, Razi University, Kermanshah (2023).
- The second ranked thesis (Ph.D.) in the 3<sup>rd</sup> ISERB Award of Excellence in the Field of Reproduction (2017).
- Distinguished researcher at Kermanshah University of Medical Science (2008).
- Outstanding graduate student (Ph.D.), Ferdowsi University of Mashhad (2014).
- Ranked 1<sup>st</sup> in the Ph.D. entrance exam, Ferdowsi University of Mashhad (2009).
- Outstanding graduate student (M.Sc.), Razi University, Kermanshah (2006).

### **Work Experiences:**

- Faculty Member, Medical Biology Research Center, Kermanshah University of Medical Sciences (KUMS), Kermanshah, Iran (2007–2009).
- Faculty Member, Department of Biology, Faculty of Science, Razi University, Kermanshah, Iran (2014 – Present).

**Academic Rank:**

- Associate professor

**Executive Responsibilities:**

- Member of the selected committee of the Faculty of Science, Razi University (2020-2022).
- Member of the specialized commission for promotions of faculty members of Razi University (2020-2022).
- Responsible for the scientific committee of the Student Olympiad of Stem Cells and Tissue Engineering in region 5 of the country (2018-Present).

**Courses:****Ph.D. Courses**

- Stem cells biology and genetics; RNA biology.

**M.Sc. Courses**

- Advanced cell biology; Advanced molecular biology; Animal cell and tissue culture; Cellular and molecular mechanisms of cancer; Genetic engineering, Prokaryotic genetics.

**B.Sc. Courses**

- Principles of cell and molecular biology; Cell and molecular biology (1); Cell and molecular biology (2); Cell and molecular biology (3); Stem cells biology; Molecular genetics; Biology of Cancer; Topics in cell biology; Topics in genetics; Virology.

**Research Interest:**

- Cell and molecular biology of stem cells and their applications.
- Cell and molecular biology of diseases (Cancer, Diabetes).

**Postgraduate Students:****Master Students**

- Rahil Dansehvar, (Razi University, 2022), Supervisor; In progress
- Malihe Mohammadi, (Razi University, 2022), Supervisor; In progress

- Sepideh Noiraei, (Razi University, 2022), Supervisor; In progress
- Zahra Samadi, (Razi University, 2022), Supervisor; In progress
- Ghazl Panahi, (Razi University, 2021), Supervisor; Defended thesis
- Hadis Yari, (Razi University, 2021), Supervisor; Defended thesis
- Maryam Ahmadi, , (Razi University, 2021), Supervisor; Defended thesis
- Matin Rahimi, (Razi University, 2021), Supervisor; Defended thesis
- Maryam Aref, (Razi University, 2021), Supervisor; Defended thesis
- Mohammad Reza Mirzaei (Razi University, 2020), Supervisor; In progress
- Jafar Safari (Razi University, 2020), Supervisor; Defended thesis
- Edris Mohammadi (Razi University, 2020), Supervisor; Defended thesis
- Mehran Radak (Razi University, 2019), Supervisor; Defended thesis
- Nakisa Ghamari (Razi University, 2019), Supervisor; Defended thesis
- Vafa Safaei (Razi University, 2018), Supervisor; Defended thesis
- Shiva Vaheb (Razi University, 2018), Supervisor; Defended thesis
- Tayebeh Sardarzadeh, (Razi University, 2017), Supervisor; Defended thesis
- Porya Hajmomeni (Razi University, 2017), Supervisor; Defended thesis
- Fatemeh Aghapour Saeidkhanlou (Razi University, 2017), Supervisor; Defended thesis
- Nilufar Rezaei (Razi University, 2017), Supervisor; Defended thesis
- Mojdeh Heidari (Razi University, 2016), Supervisor; Defended thesis
- Maryam Yazdani (Razi University, 2016), Supervisor; Defended thesis
- Elaham Alimoradi (Razi University, 2016), Supervisor; Defended thesis
- Zohreh Salehi (Razi University, 2014), Supervisor; Defended thesis
- Leila Khosravi (Razi University, 2014), Supervisor; Defended thesis
- Maryam Fazeli (KUMS, 2010), Advisor; Defended thesis

#### **Ph.D. Students**

- Matin Rhimi, (Razi University, 2023), Supervisor; In progress
- Elaheh Akbari, (Razi University, 2021), Supervisor; In progress
- Zahra Vhabzadeh, (Razi University, 2021), Supervisor; In progress
- Negin Rasouli (Razi University, 2020), Supervisor; In progress
- Zahra Ghambarali (Ferdowsi University of Mashhad, 2017), Advisor; Defended thesis
- Mahanz Ghowi (Shahid Beheshti University, 2016), Advisor; Defended thesis

### **Research Plans:**

- Investigation of the anti-angiogenic effect of *Dorema Aucheri* on human umbilical vein endothelial cells model. Kermanshah University of Medical Science (2009; Grant No. 87111).
- Investigation of the Thymoquinone effects on the immunomodulatory properties and therapeutic potential of bone marrow-derived mouse mesenchymal stem cells in vitro and in tumor-bearing mouse model. Iranian Council for Stem Cell Sciences and Technologies (2016-2018; Grant No. REP208).

### **Scientific Publications:**

#### **Published Papers**

- **Sisakhtnezhad S.\***, Rahimi M., Mohammadi S., (2023). Biomedical applications of MnO<sub>2</sub> nanomaterials as nanozyme-based theranostics. Biomed. Pharmacother., 163, 114833.
- Ghowi M., **Sisakhtnezhad S.\***, Wang Y., (2023). Effect of testosterone on the mRNA expression of Wnt-2 and dickkopf1 (DKK1), collagen deposition and oxidative stress in the cardiac tissue in male rats. Cell. Mol. Biol. 69 (10), 75-81.
- Ghanbari Movahed Z., Matin M.M., Mansouri K., **Sisakhtnezhad S.\***, (2023). Amino acid profile changes during enrichment of spheroid cells with cancer stem cell properties in MCF-7 and MDA-MB-231 cell lines. Cancer Reports, e1809.
- **Sisakhtnezhad S.\***, T Merati T., (2023). Amniotic fluid-derived stem cells: a promising resource for cardiomyogenesis. EJMO, 7 (2), 103-119.
- Hajmomeni P., **Sisakhtnezhad S.\***, Bidmeshkipour A., (2022). Thymoquinone-treated mouse mesenchymal stem cells-derived conditioned medium inhibits human breast cancer cells in vitro. Chem. Biol. Interact., 369 (2023): 110283.
- Ghamari N., Radak M., **Sisakhtnezhad S.\***, (2022). Molecular studying the effect of simultaneous treatment of Thymoquinone and Cobalt (II) chloride on the expression of genes involved in self-renewal, proliferation, migration. Cell Tissue J., 13 (3), 200-214.

- Naghiyan Fesharaki S., **Sisakhtnezhad S.\***, (2022). In silico Analysis of Possible Novel RNA Interactions and Deleterious Single Nucleotide Polymorphisms Related to MSX2, SHH, SMAD7 and TFAP2 Genes Involved in Odontogenesis. *J. Genet. Resour.*, 8 (2), 165-177.
- Ghowsi M., N Khajehnasiri, **Sisakhtnezhad S.**, (2021). The effect of androgen deprivation on the expression of connexin-43 mRNA in the heart. *J. Cell Mol. Res.*, 13(1): 65-71.
- Aghapour SK F., Sisakhtnezhad S.\*, (2021). Effect of the internal septum extract of the walnut kernel on the mesenchymal stem cells cycle and MSCs-derived insulin-producing  $\beta$ -cells differentiation and glucose uptake. *Jentashapir J. Cell. Mol. Biol.*, 12(2):e115014.
- Ghowsi M., **Sisakhtnezhad S.**, (2021). Down-regulation of insulin substrate receptor 1 and 2 in the liver may be a mechanism for insulin resistance during testosterone deprivation. *J. Basic Clin. Pathophysiol.*, 9(1): 23-40.
- Rezaei N., Sardarzadeh T., **Sisakhtnezhad S.\*** (2020). Thymoquinone promotes mouse mesenchymal stem cells migration in vitro and induces their immunogenicity in vivo. *Toxicol. Appl. Pharmacol.*, 387:114851.
- Ghowsi M., Khazali H., **Sisakhtnezhad S.**, (2019). Effect of resveratrol on blood lipids and atherogenic index in rat model of polycystic ovary syndrome. *Iranian Vet. J.*, 15(3): 48-57.
- Khosravi L., **Sisakhtnezhad S.\***, Akrami H., (2019). Placenta growth factor influences miR-483-5p, miR-483-3p, miR-4669 and miR-16-5p expression in MKN-45-derived spheroid body-forming cells. *Cyto. Genet.*, 53(1): 60-67.
- Akrami H., Karimi B., Salehi Z., **Sisakhtnezhad S.** (2019). The effect of Ibuprofen on expression of Cox-1/2-related miRNAs in MKN- 45 -derived cancer stem-like cells. *J. Rep. Pharm. Sci.*, 8(1): 18-23.
- Alimoradi E., **Sisakhtnezhad S.\***, Akrami H., (2019). Studying the effect of Thymoquinone on the expression of iNos and Cox1 genes in mouse bone marrow-derived mesenchymal stem cells. *J. Mol. Cell. Res.*, 31(3): 1-13.
- Yazdani M., Bidmeshki Pour A., **Sisakhtnezhad S.\*** (2018). Evaluating the effect of Eugenol on the expression of genes involved in the immunomodulation potency of mouse mesenchymal stem cells in vitro. *J. Cell. Mol. Res.*, 10(1): 1-10.
- **Sisakhtnezhad S.\***. (2018). In silico analysis of single-cell RNA sequencing data from 3 and 7 days old mouse spermatogonial stem cells to identify their differentially expressed genes and transcriptional regulators. *J. Cell. Biochem.*, 119(9): 7556-7569.
- Alimoradi E., **Sisakhtnezhad S.\***, Akrami H., (2018). Thymoquinone influences the expression of genes involved in self-renewal and immunomodulatory potential of mouse bone-marrow derived mesenchymal stem cells in vitro. *Environ. Toxicol. Pharmacol.*, 60(2018): 216-224.
- Ghowsi M., Khazali H., **Sisakhtnezhad S.**, (2018). The effect of resveratrol on oxidative stress in the liver and serum of a rat model of polycystic ovary syndrome: an experimental study. *Int. J. Reprod. BioMed.*, 16(3): 149-158.
- Salehi Z., Akrami H., **Sisakhtnezhad S.**, (2018). The effect of placenta growth factor knockdown on hsa-miR-22-3p, hsa-let-7b-3p, hsa-miR-451b, and hsa-mir-4290 expressions in MKN-45-derived gastric cancer stem-like cells. *Middle East J. Cancer*, 9(2): 113-122.

- **Sisakhtnezhad S.\***, Heshmati P., (2018). Comparative analysis of single-cell RNA sequencing data from mouse spermatogonial and mesenchymal stem cells to identify differentially expressed genes and transcriptional regulators of germline cells. *J. Cell. Physiol.*, 233(7) 5231–5242.
- **Sisakhtnezhad S.\***, Heidari M., Bidmeshkipour A., (2018). Eugenol enhances proliferation and migration of mouse bone marrow-derived mesenchymal stem cells in vitro. *Environ. Toxicol. Pharmacol.*, 57:166-174.
- Ghowsi M., Khazali H., **Sisakhtnezhad S.**, (2018). Evaluation of TNF- $\alpha$  and IL-6 mRNA Expressions in Visceral and Subcutaneous Adipose Tissues of Polycystic Ovary Rats and Effects of Resveratrol. *Iranian J. Basic Med. Sci.*, 21(2):165-174.
- **Sisakhtnezhad S.\***, Alimoradi E., Akrami H., (2017). External factors influencing mesenchymal stem cell fate in vitro. *Eur. J. Cell Biol.*, 96(1):13-33.
- **Sisakhtnezhad S.**, Bahrami A.R., Matin M.M., Rassouli F.B., Momeni-Moghadam M., Boozarpour B., (2016). Spermatogonial stem cells: biology, isolation, culture, characterization, and practical perspectives. *J. Kerman University Med. Sci.*, 23(2): 797-828.
- Boozarpour S., Matin M.M., Momeni-Moghadam M., Dehghani H., Mahdavi-Shahri N., **Sisakhtnezhad S.**, et al., (2016). Glial cell derived neurotrophic factor induces spermatogonial stem cell marker genes in chicken mesenchymal stem cells. *Tissue Cell.* 48 (2016): 235–241.
- **Sisakhtnezhad S.**, Bahrami A.R., Matin M.M., Rassouli F.B., Dehghani H., Momeni-Moghadam M., Boozarpour B., (2016). Establishment of a culture condition for strong proliferation and enrichment of chicken spermatogonial stem cells in vitro. *Iranian J. Vet. Sci. Technol.*, 8(1): 25-32.
- **Sisakhtnezhad S.\***, Khosravi L., (2015). Emerging physiological and pathological implications of tunneling nanotubes formation between cells. *Eur. J. Cell Biol.*, 94(10): 429-43.
- Abbasi A., Mostafaie A., Bahrami G., Mansouri K., **Sisakhtnezhad S.**, (2015). The Effect of Cis and Trans Vaccenic Acids on Expression of ICAM-1 And VCAM-1 in Human Microvascular Endothelial Cells (HMEC). *J. Rep. Pharm. Sci.*, 4(1): 65-74.
- Darakhshan S., Bidmeshki Pour A., Colagar A. H., **Sisakhtnezhad S.**, (2015). Thymoquinone and its therapeutic potentials. *Pharmacol. Res.*, 95-96C:138-158.
- Taran M., **Sisakhtnezhad S.\***, Azin T., (2015). Biological removal of nickel (II) by *Bacillus* sp. KL1 in different conditions: optimization by Taguchi statistical approach. *Polish J. Chem. Technol.*, 17(3): 29-32.
- Rassouli F.B., Matin M.M., Bahrami A.R., Ghaffarzadegan K., **Sisakhtnezhad S.**, Cheshomi H., Abbasi F., (2015). SOX2 expression in gastrointestinal cancers of Iranian patients. *Int. J. Biol. Markers.*, 30(3): e315-20.
- **Sisakhtnezhad S.**, Bahrami AR., Matin M.M., et al., (2015). The molecular signature and spermatogenesis potential of newborn chicken spermatogonial stem cells in vitro. *In Vitro Cell Dev. Biol. Anim.*, 51(4):415-25.
- Parandin R., Rassouli M.B., **Sisakhtnezhad S.**, Shahri N. M., (2015). In vitro evaluation of the effects of Zearalenone and  $\alpha$ -Zearalenol on MCF-7 and MDA-MB-468 cell lines of human breast cancer. *Razavi Int. J. Med.*, 3(4):13-17.

- Boozarpour S., Moghaddam MM., Matin M.M., Mehrjerdi H.K., **Sisakhtnezhad S.**, et al., (2014). The evaluation of testes extracts on spermatogonial stem cells' self-renewal property compared to their specific growth factors. *J. Knowledge Health.*, 9(3): 62-69.
- Momeni-Moghaddam M., Matin M.M., Boozarpour S., **Sisakhtnezhad S.**, Mehrjerdi H.K., et al., (2014). A simple method for isolation, culture, and in vitro maintenance of chicken spermatogonial stem cells. *In Vitro Cell Dev. Biol. Anim.*, 50(2): 155-61.
- Dastpak M., Matin M.M., Farshchian M., Arsenijevic Y., Momeni-Moghaddam M., **Sisakhtnezhad S.**, et al., (2014). Construction and quantitative evaluation of a dual specific promoter system for monitoring the expression status of Stra8 and c-kit genes. *Mol. Biotechnol.*, 56(12): 1100-9.
- Sisakhtnezhad S.** and Matin M.M., (2012). Transdifferentiation: A cell and molecular reprogramming process. *Cell Tissue Res.*, 348(3):379-96.
- Mirmomeni M. H., **Sisakhtnezhad S.**, Sharifi A., **2008**. Rapid detection of *Salmonella Enteritidis* by PCR amplification of the sefA gene and it's cloning. *Pak. J. Biol. Sci.*, 11(3): 428-432.
- Mirmomeni M. H., Mohammadi F., **Sisakhtnezhad S.**, Hashemi R., Nazari Gh., (2009). Statistical analysis of different cancer in Kermanshah province. *J. Biol. Sci.*, 9(3): 200-216.
- Mirmomeni M. H., Naderi S., Hosseinzadeh Colagar A., **Sisakhtnezhad S.**, (2009). Isolation of *Salmonella enteritidis* using biochemical tests and diagnostic potential of SdflI amplified gene. *Res. J. Biol. Sci.*, 4(6):656-661.
- Bahrami G., Mohammadi B., **Sisakhtnezhad S.**, (2008). High-performance liquid chromatographic determination of inactive carboxylic acid metabolite of clopidogrel in human serum: Application to a bioequivalence study. *J. Chrom. B*, 864: 168-172.
- Sisakhtnezhad S.\***, Sheikh-Islami A., Kiani A., Mohammadi B., Darzi-Ramandi M., Parvin N., Bahrami G., (2008). Evaluation of the stability of fatty acid content of natural lipid and frying oils available on the Iranian market during frying. *J. Kermanshah Uni. Med. Sci.*, 12(4): 347-357.
- Mirmomeni M.H., Arveis S., Ghobadi S., **Sisakhtnezhad S.**, Madani H., Izadi B., **2009**. An Investigation of Point Mutations at 7th Exon of Gene P53 in Hepatocellular Carcinoma Patients in Kermanshah Province and the Study of Mutation in Liver Specimens of Mice Exposed to Aflatoxin B1. *Res. J. Biol. Sci.*, 4(1): 107-112.
- Mirmomeni M. H., Sharifi A., **Sisakhtnezhad S.**, **2008**. Rapid detection of *Potato Y Potyvirus* in potato farms of Kermanshah using RT-PCR amplification of the P1- protease gene and it's cloning. *Pak. J. Biol. Sci.*, 11(11): 1482-1486.
- Mirmomeni M. H., Kiani S., **Sisakhtnezhad S.**, **2008**. Rapid detection of *Salmonella Dublin* by PCR amplification of the sopE gene and it's cloning. *Pak. J. Biol. Sci.*, 11(11): 1497-1501.

## Abstracts and Presentations

- Naghiyan Fesharaki S., **Sisakhtnezhad S.\***, (2022). rs372321755 as a new deleterious single nucleotide polymorphism related to NOD2 gene in inflammatory bowel disease. The 2<sup>nd</sup> International Conference on Biotechnology and Global Development (Poster).
- Naghiyan Fesharaki S., **Sisakhtnezhad S.\***, (2022). Identification of a new deleterious single nucleotide polymorphism related to CDKN3 gene in colorectal cancer by bioinformatics analysis. The 2<sup>nd</sup> International Conference on Biotechnology and Global Development (Poster).
- Naghiyan Fesharaki S., **Sisakhtnezhad S.**, Azadeh M., (2022). In silico detection of a new deleterious single nucleotide polymorphism and miRNA related to CHEK2 gene in breast cancer and their interactions. 1st International and 10th National Iranian Conference on Bioinformatics (ICB) (Poster).
- Naghiyan Fesharaki S., **Sisakhtnezhad S.**, Azadeh M., (2022). Bioinformatics evaluation of hsa-miR-4496 related to a single nucleotide polymorphism (rs1031305330) of GSTP1 gene in gastric cancer. 1<sup>st</sup> International and 10<sup>th</sup> National Iranian Conference on Bioinformatics (ICB) (Poster).
- Radak M., **Sisakhtnezhad S.\*** Investigation the effect of Thymoquinone on Sox2 expression in a human fibroblast cell line under cobalt II chloride-induced hypoxic condition. 4<sup>th</sup> International and 16<sup>th</sup> Iranian Genetics Congress. 30 Sep-2 Oct 2020, (Poster).
- Ghamari N., **Sisakhtnezhad S.\***, Simultaneous effect of CoCl<sub>2</sub>-induced hypoxic condition and Thymoquinone treatment on the expression of Sox2 gene in the cancerous MCF-7 cell line. 4<sup>th</sup> International and 16<sup>th</sup> Iranian Genetics Congress. 30 Sep-2 Oct 2020, (Poster).
- Radak M., Ghamari N., **Sisakhtnezhad S.**, Fallahi H., Study of differentially expressed miRNA in Rhabdomyosarcoma. The 15<sup>th</sup> Royan International Congress on Stem Cell Biology & Technology, Tehran, Iran. 28-30 Aug, 2019. (Poster)
- Ghamari N., Radak M., **Sisakhtnezhad S.**, Fallahi H., Gene regulatory network of osteosarcoma. The 15<sup>th</sup> Royan International Congress on Stem Cell Biology & Technology, Tehran, Iran. 28-30 Aug, 2019. (Poster)
- Ghamari N., Radak M., **Sisakhtnezhad S.\***, Qalikhani F., Protein-protein interaction networks and gene ontology in oxaliplatin-resistant colorectal cell line (HTOXAR3). 16<sup>th</sup> Iranian Pharmaceutical Sciences Congress. Kermanshah University of Medical Sciences, 6-8<sup>th</sup> Nov, 2019. (Poster)
- Hajmomeni P., Aghapour F., **Sisakhtnezhad S.\***, Bidmeshkipour A., Bioinformatics prediction of miRNAs regulating the differentiation of pluripotent stem cells into insulin-producing cells. The 3<sup>rd</sup> National Festival and International Congress on Stem Cell and Regenerative Medicine, Tehran, Iran. 28 Nov-1 Des, 2018. (Poster)
- Rezaei N., **Sisakhtnezhad S.\***, Examining the effect of Thymoquinone-treated mesenchymal stem cells on Foxp3 gene expression in mouse. International congress on the new aspects of applied biology. Kharazmi University, Tehran, Iran. 11-12<sup>th</sup> Jul, 2018. (Oral presentation,)

- Aghapour F., **Sisakhtnezhad S.\***, Evaluating the effect of walnut septum extract on rat bone marrow-derived mesenchymal stem cells viability in vitro. International congress on the new aspects of applied biology. Kharazmi University, Tehran, Iran. 11-12<sup>th</sup> Jul, 2018. (Poster)
- Alimoradi E., Akrami H., Heidari M., Yazdani M., Bidmeshkipour A., **Sisakhtnezhad S.\***, Studing the effect of thymoquinone on mouse bone marrow-derived mesenchymal stem cells viability in vitro. The 12<sup>th</sup> Royan International Congress on Stem Cell Biology & Technology, Tehran, Iran. 31 Agu-2 Sep, 2016. (Poster)
- Yazdani M., Heidari M., Bidmeshkipour A., Alimoradi E., Akrami H., **Sisakhtnezhad S.\***, Evaluating The Effect of Eugenol on Mouse Bone Marrow Mesenchymal Stem Cells Survival In Vitro. The 12<sup>th</sup> Royan International Congress on Stem Cell Biology & Technology, Tehran, Iran. Aug. 31- Sep. 2, 2016. (Poster)
- Ghowi M., Homayoun K., **Sisakhtnezhad S.** Evaluation of oxidative stress in the polycystic ovarian rats. The 3<sup>th</sup> International Congress on Reproduction-ISERB 2017, Tehran, Iran. 20-22<sup>th</sup> May, 2017. (Poster)
- Ghowi M., Khazali K., **Sisakhtnezhad S.**, Polycystic ovary syndrome induction by testosterone enanthate can alter the HOMA Insulin Resistance (HOMA-IR) and insulin sensitivity (HOMA-IS) in female rats. The 11<sup>th</sup> International Congress of Endocrine Disorders, Tehran, Iran. 2-4<sup>th</sup> Nov, 2016. (Oral presentation)
- Dastpak M., Matin M., Frashchian M., Irfan-maqsood M., **Siskhatnezhad S.**, Bahrami AR. Investigating the behavior of a dual promoter system containing spermatogonial specific genes in the presence of extrinsic factors genes. The 11<sup>th</sup> Royan International Congress on Stem Cell Biology & Technology, Tehran, Iran. (Poster)
- **Sisakhtnezhad S.**, Bahrami AR., Matin M.M., et al. Investigation of the Molecular Signature and Spermatogenesis Potential of Newborn Chicken Spermatogonial Stem Cells in vitro. International Congress on Stem Cells & Regenerative Medicine, Ferdowsi University of Mashhad, Iran, 20-22<sup>th</sup> May, 2015, (Oral presentation).
- Khosravi L., **Sisakhtnezhad S.\***, Hassan Akrami H., Rassouli F.B. Tunneling Nanotubes as a Cell Cross-talking Tool for Cellular Reprogramming, Differentiation and Tumour Formation and Advancement. Congress on Stem Cells & Regenerative Medicine, Ferdowsi University of Mashhad, Iran, 20-22<sup>th</sup> May, 2015, (Poster).
- Parandin R., Rassouli M.B., **Sisakhtnezhad S.**, Invitro evaluation of effects of Zearalenone and  $\alpha$ -Zearalenol on MCF-7 and MDA-MB-468 cell lines of human breast cancer. 13<sup>th</sup> Iranian International Congress of Toxicology, Urmia, Iran, 22-24<sup>th</sup> May, 2015, (Oral presentation).
- **Sisakhtnezhad S.\***, Mansouri K., Mostafaie A., Mohammadi-Motlagh H.R., Mozafar H. Anti-angiogenic effects of Zuh (Dorema aucheri) extract on human umbilical vein endothelial cell (HUVEC) model and study of its effects on MMP2 and MMP9 gene expression. The 16<sup>th</sup> National and 4<sup>th</sup> International Conference of Biology, Ferdowsi University of Mashhad, Iran, Sep. 14-16<sup>th</sup>, 2010, (Poster).

- Mirmomeni M.H., **Sisakhtnezhad S.**, Cloning of The Gene Encoding the sefA Fimberial Antigen of *Salmonella Enteritidis* (E3) in The pTZ57R/T Vector. The 9<sup>th</sup> Iranian Congress of Biochemistry & the 2<sup>nd</sup> International Congress of Biochemistry and Molecular Biology Shiraz-Iran, Oct. 29-Nov. 1, 2007, (Poster)

#### Patent & Gene submissions

- **Sisakhtnezhad S.\***, Bahrami A.R., Maryam M. Matin M.M., and Dehghani H. Production of poultry sperm by germ stem cells in vitro. State Organization for Registration of Deeds and Properties, Industrial Property General Office, Patents Office, Iran. Application no. 80707 (1392/07/08).
- Mirmomeni M. H., **Sisakhtnezhad S.\*** (2007). *Salmonella Enteritidis* sefA gene for Fimberial protein, complete cds, Accession Number: EF553334, GenBank, NCBI.
- Bahrami A., Moghadam Matin M., **Sisakhtnezhad S.\*** (2012). *Gallus gallus* Thy-1/CD90 cell surface antigen (THY1) mRNA, partial cds. Accession Number: JQ088097.1, GenBank, NCBI.