

School of Biology,
Faculty of Science,
University of Tehran,
P. O. Box: 14155-6455

Phone: (021) 61112476
Fax: (021) 66405141
Email: afarazmand@ut.ac.ir
Alternative: afarazma@yahoo.ca

Ali Farazmand

Professor (retired), Genetics & Molecular Biology

Education

1978: B.SCI. **Biology**, University of Tehran, IRAN.

1986: M.SCI. (*with distinction*). **Biology** (majoring in **Genetics**), University of Tehran.

2000: Ph.D. **Genetics**, Department of Biomedical Sciences, University of Guelph, Canada.

Professional Vitae

2001- 2018: Department of Biology, Faculty of Sciences, University of Tehran

2003-2008: Associate faculty member, Department of Biotechnology.

2000-2002: *Assistant Professor*, Allameh Tabatabaei University, Tehran, IRAN.

1981-2000: *Faculty Member (Lecturer)*, Allameh Tabatabaei University, Tehran/ IRAN.

1979-1981: *Teaching Assistant*, OPEN University of IRAN.

1978-1979: *Biology Teacher*, at Kharazmi High School (Branch #1).

1987-1994: **part-time Editor** for Biological Texts, Iran University Press, Tehran, IRAN

1989-1994: **Translator & Transnational Editor** Iranian National Commission for UNESCO Tehran, IRAN.

Appointments:

Editor in Chief of Iranian Biology Journal (<http://ijbio.ir/>), Published by Iranian Society Biology since 2016.

Appinted Editor in Chief of Name-ye-Oloom-e Paye, published by Iranian Academy of Sciences Since March 2020.

Head of Cell& Molecular Biology Dept. Faculty of Biology, University Collge of Science University of Tehran, 2010-2012

Deputy of Research and Editorial. Iran University Press. 2008-2012

Deputy of Financial and Adminstrative. Faculty of Science, University of Tehran 2003-2007.

Associate Member of Bioinformatic Department, Institute of Biochemistry and Biophysics, University of Theran, 2005-

Section (genetics) Editor (2001- 2005) of *Scientific Committee Board* to prepare an *Encyclopedia of Genetics & Biotechnology* sponsored by National Center of Genetics & Biotechnology and Bonyad e' Daneshnameh Farsi.

Member (2001- present) of **Terminology Department** (Biology section) of *Academy of Persian Language & Literature*.

Chair of Biology Division, (two courses),at Allameh Tabatabaei University.

Representative of Allameh Tabatabaee University as a member of Research Council of Ministry of Culture & Higher Education (a full two-year course).

Teaching Experiences

Genomics (PhD Graduate course), Dept. Cell & Mol. Biology
Genomics and Gene Expression (PhD Graduate course), Dept. Bioinformatics IBB.
Epigenetics in Biology and Medicine (PhD students), University of Tehran
Genetics of Sex Determination (Graduate Course), Dept. Cell & Mol. Biology. University of Tehran.
Regulation of Gene Expression (Graduate Course), Dept. Cell & Mol. Biology. University of Tehran.
Genetic Principles & Counseling (Graduate Course) for Psychology Students (Majoring in Exceptional Children), University of Allameh Tabatabaee.
Causes and Prevention of Genetic Disease & Birth Defects for Psychology.
General Biology for Art and Human Sciences, University of Allameh Tabatabaee.
Genetics in Medicine, for Medical Students, Medical Students, IRAN.
Human Genetics for Basic & Health Sciences, IRAN.
Basic Genetics for Biology Students (majoring in Cell & Molecular Biology) .

English (Special Texts) for Biology students (Majoring in Cell & Mol. Biology).
Basic Genetics (Teaching Assistant), University of Guelph, Canada.
Molecular Cell Biology (Teaching Assistant), University of Guelph, Canada.

Research Experiences

Experience in Histotechnology; Blood cell Culture and Chromosomal Preparation;
Fluorescence In Situ Hybridization (FISH); Reverse Transcription (RT)-PCR;
Southern Blotting; Northern Blotting; Western Blotting; One & two-dimensional (2D) Gel Electrophoresis (PAGE); Semi-Quantitative- RT-PCR; Bovine Embryo Culture and IVF procedure. Familiar with Yeast Two-Hybrid System
YSTR polymorphisms among Iranian Ethnic groups.

Publications

Published Articles:

علی فرازمند ارتباط علی، مروزی بر اهمیت، تاریخچه و مدل های آن (تالیف)، مجله زیست شناسی ایران، زمستان ۹۸، جلد ۳، پیاپی ۶، ۱۸-۱

علی فرازمند یکی کردن چابکی بصری و ارزشها در تصمیم گیری (ترجمه) ، مجله زیست شناسی ایران، زمستان ۹۸، جلد ۳، پیاپی ۶، ۱۳۱-۱۲۸

Moharamoghli M, Hassan-Zadeh V, Dolatshahi E, Alizadeh Z, **Farazmand A.** Clin Rheumatol. 2019 Nov;38(11):3073-3080

Alaleh Ghasemi, **Ali Farazmand**, Vahideh Hassanzadeh Shiva Poursani, Samaneh Soltani, Maryam Akhtari, Maassoumeh Akhlaghi, Elham Farhadi, Ahmadreza Jamshidi, Mahdi Mahmoudi. Upregulation of *KAT2B* and *ESCO2* gene expression level in patients with rheumatoid arthritis. *Clin Rheumatol* **42**, 253–259 (2023).
<https://doi.org/10.1007/s10067-022-06351-4>.

Vaziri, N.; Shariati, L.; Zarrabi, A.; **Farazmand, A.**; Haghjooy Javanmard, S. Cancer-Associated Fibroblasts Regulate the Plasticity of Breast Cancer Stemness through the Production of Leukemia Inhibitory Factor. *Life* **2021**, 11, 1298.
<https://doi.org/10.3390/life11121298>

Mohsen Badalzadeh¹, Marzieh Mazinani², Zahra Pourpak², Hassan Heidarnazhad², Esmaeil Mortaz³, Mostafa Moin², and **Ali Farazmand**. In Vitro Analysis of Nine MicroRNAs in CD8⁺ T Cells of Asthmatic Patients and the Effects of Two FDAapproved Drugs. *Iran J Allergy Asthma Immunol* August 2019; 18(4):358-368

Jafarinejad-Farsangi S, Gharibdoost F, **Farazmand A**, Kavosi H, Jamshidi A, Karimzadeh E, Noorbakhsh F, Mahmoudi M. MicroRNA-21 and microRNA-29a modulate the expression of collagen in dermal fibroblasts of patients with systemic sclerosis. *Autoimmunity*.52(3):108-116.2019 Jun 3

Moharamoghli, M., Hassan-Zadeh, V., Dolatshahi, E. Zahra Alizadeh & **Ali Farazmand** . The expression of GAS5, THRIL, and RMRP lncRNAs is increased in T cells of patients with rheumatoid arthritis. *Clin Rheumatol* **38**, 3073–3080 (2019).

Pegah Vahidi Manesh, **Ali Farazmand**, Farhad Gharibdoost¹, Negar Vanaki, Shayan Mostafaei, Hoda Kavosi Mohammad Bagher Mahmoudi, and Mahdi Mahmoudi. Downregulation of miR-542-3p Contributes to Apoptosis Resistance in Dermal Fibroblasts from Systemic Sclerosis Patients via Survivin Overexpression . *Iran J AllergyAsthma Immunol* April 2019; 18(2):173-181.

Mortazavi-Jahromi SS, **Farazmand A**, Motamed N, Navabi SS, Mirshafiey A. Effects of guluronic acid (G2013) on SHIP1, SOCS1 induction and related molecules in TLR4 signaling pathway. *Int Immunopharmacol*. 2018 Feb;55:323-329.

Tabrizian N, Fard NA, **Farazmand A**, Eftekhari R, Zavareh FT, Mirshafiey A. The Biology of β -D-mannuronic acid (M2000) on Human Dendritic Cell Based on MicroRNA-155 and MicroRNA-221 (2018). *Curr Drug Discov Technol*. 2017;14(1):53-58.

Ahmadyan S, Kabiri M, Tasharofi N, Hosseinzadeh S, Kehtari M, Hajari Zadeh A, Soleimani M, **Farazmand A**, Hanaee-Ahvaz H. The osmolyte type affects cartilage associated pathologic marker expression during in vitro mesenchymal stem cell chondrogenesis under hypertonic conditions (2018). *Cell Mol Biol (Noisy-le-grand)*. 2018 Feb 28;64(3):56-61

Ahmadyan S, Kabiri M, Hanaee-Ahvaz H, **Farazmand A**. Osmolyte Type and the Osmolarity Level Affect Chondrogenesis of Mesenchymal Stem Cells *Appl Biochem Biotechnol*. 2018 Jun;185(2):507-52.

Mehrabi Z, **Farazmand A**, Esteghamati A, Noshad S, Sadr M, Amirzargar S, Yekaninejad MS, Amirzargar A. Association of Human Leukocyte Antigens Class I and II with

Graves' Disease in Iranian Population (2017). Iran J Immunol. 2017 Sep;14(3):223-230

Mortazavi-Jahromi SS, Jamshidi MM, **Farazmand A**, Aghazadeh Z, Yousefi M, Mirshafiey A. Pharmacological effects of β -d-mannuronic acid (M2000) on miR-146a, IRAK1, TRAF6 and NF- κ B gene expression, as target molecules in inflammatory reactions (2017). Pharmacol Rep. 2017 Jun; 69(3):479-484.

Raheleh Amirkhah, Hojjat Naderi Meshkin, **Ali Farazmand**, John E.J. Rasko, and Ulf Schmitz. Computational and Experimental Identification of Tissue-Specific MicroRNA Targets (2017). *Methods and Protocols, Methods in Molecular Biology*, vol. 1580, 127-147.

Zeinab Alizadeh, **Ali Farazmand**, Maassoomeh Akhlaghi, Ahmad Reza Jamshidi, Abtin Shahlaee, Jafar Karami, Elmira Shamsian, Mahdi Mahmoudi. STAT4 rs7574865 polymorphism in Iranian patients with rheumatoid arthritis. Indian Journal of Rheumatology (2016), 11:2,78-81.

M Akhtari, **A Farazmand**, M Mahmoudi, M Akbarian, N Ahmadzadeh, Z Mirkazemi. S Mostafaei and AR Jamshidi. Analysis of killer cell immunoglobulin-like receptors and their human leukocyte antigen-ligands gene polymorphisms in Iranian patients with systemic lupus erythematosus. Lupus (2016) 0, 1–10

Amirkhah R, **Farazmand A**, Wolkenhauer O, Schmitz U. RNA Systems Biology for Cancer: From Diagnosis to Therapy. Methods Mol Biol. 2016;1386:305-30. doi: 10.1007/978-1-4939-3283-2-14

Parisa Momenzadeh, Mahdi Mahmoudi, Maani Beigy, Masoud Garshasbi, Mahdi Vojdani, **Ali Farazmand**, Ahmad Reza Jamshidi. Determination of *IL1 R2*, *ANTXR2*, *CARD9*, and *SNAPC4* single nucleotide polymorphisms in Iranian patients with ankylosing spondylitis. *Rheumatol Int*. 2015 Nov 21

Khanjani Jafroodi S., Farazmand A., Amin M., Doroodgar A., Shirzadi M.R., Razavi M.R. Methanolic Extract's Activity of Artemisia absinthium, Vitex agnus-castus and Phytolaca Americana Against Leishmania major; in vitro and in vivo. International Archives of Health Sciences, Volume 2, Issue 2, Spring 2015. Pages: 69-74

Abtahi S, **Farazmand A**, Mahmoudi M, Ashraf-Ganjouei A, Javinani A, Nazari B, Kavosi I Amirzargar AA, Jamshidi AR, Gharibdoost F. IL-1A rs1800587, IL-1B rs1143634 and IL-1R1 rs2234650 polymorphisms in Iranian patients with systemic sclerosis. Int J Immunoger 2015 Sep 28.

Amirkhah R, **Farazmand A**, Irfan-Maqsood M, Wolkenhauer O, Wolkenhauer O, Schmitz U. The role of microRNAs in the resistance to colorectal cancer treatments. Cell Mol Biol (Noisy-le-grand). 2015 Oct 30;61(6):17-23.

Ahmadi M, Jafari R, Marashi SA, **Farazmand A**. Indirect role of microRNAs and transcription factors in the regulation of important cancer genes: A network biology approach. Cell Mol Biol (Noisy-le-grand). 2015 Oct 30;61(6):100-7.

Ahmadi M, Jafari R, Marashi SA, **Farazmand A**. Evidence for the relationship between the regulatory effects of microRNAs and attack robustness of biological networks. Comput Biol Med. 2015 Aug;63:83-91.

Amirkhah R., **Ali Farazmand**, Shailendra K. Gupta, Hamed Ahmadi, Olaf Wolkenhauer, and Ulf Schmitz (2015). Naive Bayes classifier predicts functional microRNA target

interactions in colorectal cancer. *Molecular BioSystems*. 2015, 11(8):2126-34.

Jafarinejad-Farsangi, **Ali Farazmand**, Mahdi Mahmoudi, Farhad Gharibdoost, Elham Karimizadeh1, Farshid Noorbakhsh, Habibeh Faridani, and Ahmad Reza Jamshidi (2015). MicroRNA-29a induces apoptosis via increasing the Bax:Bcl-2 ratio in dermal fibroblasts of patients with systemic sclerosis. *Autoimmunity*, Early Online: April 2015, pages 1–10.

Saeideh Jafarinejad-Farsangi, **Ali Farazmand**, Ameneh Rezayof and Niloufar Darbandi (2015). Proteome Analysis of Rat Hippocampus Following Morphine-induced Amnesia and State-dependent Learning. *Iranian Journal of Pharmaceutical Research* (2015), 14 (2): 591-602

Amirkhah R¹, Schmitz U, Linnebacher M, Wolkenhauer O, **Farazmand A.** (2015). MicroRNA-mRNA interactions in colorectal cancer and their role in tumor progression. *Genes Chromosomes Cancer*. 2015 Mar;54(3):129-41. doi: 10.1002/gcc.22231

Ahmad Soltani, Sara RahmatiRad, Zahra Pourpak, Zahra Alizadeh, Shiva Saghafi, Bashir HajiBeigi, Majid Zeidi, and **Ali Farazmand**. (2014). Polymorphisms and Serum Level of Mannose-Binding Lectin: An Iranian Survey., *Iran J Allergy Asthma Immunol* December .13(6):428-432

Dastmalchi R, **Farazmand A**, Nishad S, Mozafari M., Mahmoudi M., Esteghamati A., Amirzargar A., (2014). Immunoglobulin- like receptors (KIR) and their HLA ligands in Graves' disease. *Mol. Biol. Rep.*, May 23.

Ahmad Soltani¹, Sara RahmatiRad¹, Zahra Pourpak², Zahra Alizadeh², Shiva Saghafi², Bashir HajiBeigi³, Majid Zeidi³, and **Ali Farazmand**. Polymorphisms and Serum Level of Mannose-Binding Lectin: An Iranian Survey. *Iran J Allergy Asthma Immunol.*, December 2014; 13(6):428-432.

Marzieh Beygom Faghir, Farideh Attar, Ali Farazmand, Shahrokh Kazempour Osanlo. Phylogeny of the genus *Potentilla* (*Rosaceae*) in Iran based on nrDNA ITS and cpDNA *trnL-F* sequences with a focus on leaf and style characters' evolution. *Turkish J Botany* (2014) 38: 417-4.

احمد سلطانی، سارا رحمتی راد، زهرا پورپاک، زهرا علیزاده، بشیر حاجی بیگی، مجید زیدی و علی فرازمنند. بررسی چند شکلی ژنتیکی آگزون 1 ژن *MBL2* و ارتباط آن با سطح سرمی پروتئین MBL در جمعیت منتخبی از شهر تهران. مجله پژوهشهای سلولی و مولکولی (مجله زیست شناسی ایران)، جلد 26، شماره 4، 1392

Maryam Cheraghzadeh, **Ali Farazmand** and Nasrin Motamed, (2013) Protein Profiling of Gonads of Males and Sex Reversed Males in *Nemacheilus angorae*. *Current Research Journal of Biological Sciences* 5(1): 19-25.

Mohyeddin Bonab M, Mohajeri M, Sahraian MA, Yazdanifar M, Aghsaie A, **Farazmand A**, Nikbin B., 2013. Evaluation of cytokines in multiple sclerosis patients treated with mesenchymal stem cells. *Arch Med Res*. 2013 May 15,44(4):266-72.

Maryam Mohajeri¹, **Ali Farazmand**, Mandana Mohyeddin Bonab, Behrooz Nikbin, and Alireza Minagar (2011). FOXP3 Gene Expression in Multiple Sclerosis Patients Pre- and Post Mesenchymal Stem Cell Therapy. **ORIGINAL ARTICLE**, *Iran J Allergy Asthma Immunol*; September 2011; 10(3): 155-161

Vahid Akmal, , Ali Farazmand, Jamshid Darvish, and Mozafar Sharifi (2011). Phylogeography and taxonomic status of the greater mouse-tailed bat *Rhinopoma microphyllum* (Chiroptera: Rhinopomatidae) in Iran

Marzieh Beygom Faghir, Farideh Attar, Ali Farazmand, Barbara Ertter, Bente Eriksen (2010). Leaf indumentum in *Potentilla* (Rosaceae) and related genera in Iran. *Acta Societatis Botanicorum Poloniae*. Vol 79 (2) 139-45, 2010.

Farazmand A., Inanloo K., Agh N. (2010). DMRT family genes during gonadal differentiation in two species of *Artemia* (Brachiopoda, Anostraca) from Urmia Lake (Iran). *Crustaceana* 83 (10) : 1153-65.

Salimi A., **Farzmand A.** Mehrabani-Yeganeh H., Zargar S. J. (2010) Allelic and haplotype frequencies of Y-chromosome STRs in a random population of Iranian males. *Iranian Journal of Biology (IGB)*, 23, 3: 309-320.

Farazmand A., Sokhansanj A., Rafee M. R., Mehrabani Y. H. (2009). Comparative analysis of Y-chromosome short tandem repeats (YSTRs) polymorphism in an Iranian Sadat subpopulation. *Journal of Science, University of Tehran*. Vol. 35, N.o 1, Spring 7-13.

Maryam Kheirandish, Seyed Davar Siadat, Dariush Nozarian, Mohammad Reza. Razavi, Nima Rezaei, **Ali Farazmand**, Jalal Izad Mobarakeh, Mehranghiz Zangeneh, Arfa Moshiri, Seyed Mehdi Sadat, and Ali Sharifat Salmani. (2009). Measurement of opsonophagocytic activity of antibodies specific to *Neisseria meningitidis* serogroup A capsular polysaccharide-serogroup B outer membrane vesicle conjugate in animal model. *Annals of Microbiology*, 59 (4), 801-806.

Valian S., Sedaghat M., Nassiri I., **Farazmand A.**, (2009) Methylation status of p16 tumor suppressor gene in Iranian patients with sporadic breast cancer. *J Cancer Research Clinical Oncology*.

Farazmand A., Inanloo K., Motamed N., Comparison of the protein profile of reproductive system between bisexual and parthenogenetic species of *Artemia* (Brachiopoda, Anostraca). *Crustaceana* 82 (10): 1237-48.

Shojaosadati SA., **Farazmand A.**, Mehdi-pour F., Faghihizadeh S., and Taheri MM., A survey on awareness and attitudes of Iranian academicians on bioethics and genetically modified organisms (GMO). *International Congress of Bioethics 2005.*, 2005.

Farazmand A., Parvathi K. Basrur Gerald Stranzinger, Daria Graphodatskaya, Ed R. Reyes & Allan King (2004) Expression of sense and antisense strands of Xist in bovine fetal organs and cell cultures. *Chromosome research* 12: 275-283.

Parvathi K. Basrur, **Ali Farazmand**, Gerald Stranzinger, Daria Graphodatskaya, R. Reyes & Allan King (2004). Expression of X-linked genes in sex chromosome aneuploid bovine cells. *Chromosome research* 12: 263-273.

Peippo J., **Farazmand A.**, Kurkilahati M., Markkula M., Basrur PK., King WA. (2002). Sex-chromosome linked gene expression in in-vitro produced bovine embryos. *Molecular Human Reproduction*. 10: 923-929.

Farazmand A. Peippo J., King WA., Basrur PK. (2001). Sex-linked genes are not silenced fetal bovine testes expressing X-inactive specific transcript (Xist). *Journal of Experimental Zoology*. 290:327-340.

Basrur PK., Reyes Ed., **Farazmand A.**, King WA., Popescu PC. (2001). X-autosome translocation and low fertility in a family of crossbred cattle. *Animal Reproduction Sciences*.

2116: 1-16.

Farazmand A., Koykull W., King WA., Basrur PK. (2000). Expression of X-inactive specific Transcript (Xist) and testicular morphogenesis in bovine fetuses. *Animal Biotechnology*. 11: 51-61.

Published Persian Translations and Books:

بیماری کرونا ویروس ۲۰۱۹ (کوید-۱۹) همه گیری شناسی، بیماری زایی، تشخیص و راه های درمان (اشپرینگر)، ویراستار و همکار ترجمه، مرکز نشر دانشگاهی ۱۳۹۹.

هزار واژه زیست شناسی، فرازمند و ... فرهنگستان زبان و ادب فارسی ۱۳۹۱

فرازمند و ... *دانشنامه ژنتیک و بیو تکنولوژی*. بنیاد دانشنامه فارسی و پژوهشگاه ملی مهندسی ژنتیک. ازطراحان، مولفان و مترجمان. ۱۳۸۷.

فیزیولوژی گیاهی (ترجمه یک فصل)، انتشارات خانه زیست شناسی. ۱۳۸۵.

فرهنگ واژه های مصوب فرهنگستان، دفتر ششم. فرهنگستان زبان و ادب فارسی. ۱۳۸۷.

فرهنگ واژه های مصوب فرهنگستان دفتر پنجم، فرهنگستان زبان و ادب فارسی، ۱۳۸۷.

Genetics, Laboratory Investigation. Thomas R. Mertens, Robert L. Hammersmith, Prentice Hall, 2001. Iran University Press (2006)

Genetics in Medicine. Thompson & Thompson, 5th Edition (1991) W.B. SAUNDERS Company.

Genetics in Medicine. Thompson & Thompson, 4th Edition (1986), W.B. Saunders Company.

Human Genetics, Sam Singer 2th Edition (1986). W. H. Freeman Company.

Biotechnology, John E. Smith (1989). Edward Arnold (LTD).

Genes & Mind, Tswang M. (1981). Oxford University Press.

Fragile Forest (Courier Magazine Series, # 224) whole issue. Published by Iranian National Commission for UNESCO.

Biotechnology (Challenges & Promises), Nature & Resources Series; # 2 in Persian serial number, whole issue. Published by Iranian National Commission for UNESCO.

Several articles in Official Publications of Iranian National Commission for UNESCO.

General Biology (co-author) in persian, published by Iran University Press.

فرازمند علی. ریاضیات، میکروسکوپی دیگر و بهتر برای ریاضی؛ زیست شناسی فیزیکی دیگر و بهتر برای

Editor of following texts:

Genetics, Laboratory Investigation. Thomas R. Mertens, Robert L. Hammersmith, Prentic Hall, 2001. Iran University Press (2006)

Photosynthesis. Iran University Press.

Introductory Microbiology. J. Levy, J.R. Cambell, T. H. Blackburn. John Wiley & Sons, 1973. Iran University Press (announced as *Year Book*).

Plant Systematic. Samual B. Johns, Arlene E. Luchsinger. MC. Grow Hill, 1979. Iran University Press.

Microbiology, Essentials & Applications. Larry MC. Kane, Judy Kandel. MC. Grow Hill, 1989. Iran University Press.

Microbiology in Practice. Lois Beishir. 3rd Edition (1983). Iran University Press.

Current topics in Pediatrics, Bavardaran Publishing Co.

Allergy in Children, Allameh Tabatabaei University.

Psychology. Carlson (1990). Roshd Publication Co.

Published Abstracts:

Farazmand A., Genomics: Concepts and Applications., *TheFirst Congress of Cytotechnology Its Applications.*, 2008.

Khosravi F., Ahmadvand N., **Farazmand A.** Analysis of Y chromosome short tandem repeat STR polymorphism in a random population of Tehra. *15th National Third International Conference of Biology.*, Sep. 2008.

Ahmadvand N. Khosravi F., **Farazmand A.**, Analysis of Y chromosome short tandem repeat STR polymorphysm in a random population of Torkamans., *15th National Third International Conference of Biology.*, Sep. 2008.

Farazmand A., Inanlo Kolsoum., Agh Naser., Expression of DMRT family gene homologue among Iranian Artemia. The 9th Iranian Congress of Biochemistry & the 2nd International Congress of Biochemistry and Molecular Biology., 2007.

Minaei T., **Farazmand A.**, Asadzadeh J., Shakhssalim N., Mowla SJ. Comparative evaluation of expression of genes dicer ago2, GW182 involve in the processing and function of microRNAs between tumoran and non-tumoral tissues of bladder. *15th National Third International Conference of Biology.*, Sep. 2008.

Karimizadeh E. Motamed N., **Farazmand A.**, Apoptosis induction in MDA-MB-453 and BT-474 cell lines via extarcted silibinin from milk thistle. *15th National Third International Conference of Biology.*, Sep. 2008.

Inanlo K. **Farazmand A.**, Motamed N. Protein profile comparison of reproductive system between bisexual (*Artemia urmiana*) and parthenogenetic (*Artemia parthenogenetica*) species of

Iranian Artemia. 39th Annual Meeting of Society of Reproduction., 2006.

Rafiee M., **Farazmand A.**, Analysis of Y-chromosome short tandem repeats (STR0 among Iranian ethnic groups; part 1: descendents of Prophet Mohammad. *13th National Third International Conference of Biology.*, Aug. 2005.

Farazmand A., Motamed N., Razavi M., Khakpour A., Assareh A., Drug-induced protein changes i Leishmania major. *13th National Third International Conference of Biology.*, Aug. 2005.

چراغزاده مریم^۱ معتمد نسرين^۲ فرازمنده علي. مطالعه و مقایسه پروفیل پروتئینی گونا نر و ماهی نر برگشت جنسی در سگ ماهی جویباری. چهاردهمین کنفرانس سراسری و دومین کنفرانس بینالمللی زیست شناسی ایران. ۱۳۸۵.

سلیمی اعظم^۱ مهربانی یگانه حسن^۲ فرازمنده علي. مطالعه چند شکلی توالیهای تکراری ساده کروموزوم یک جمعیت اتفاقی تهران. چهاردهمین کنفرانس سراسری و دومین کنفرانس بینالمللی زیست شناسی ایران. ۱۳۸۵.

Assareh A., Khakpour A., Motamed N., **Farazmand A.** Razavi M.R., Protein Profiling of Leishmania infantum cells grown in Normal and drug induced conditions: A two dimensional Gel Electrophoresis Study. 2005 Congress Expanding Proteomics. Zurich, Switzerland, Dec. 2005.

Akmali V., **Farazmand A.** Rahimi P., Javanbakht H., Tajic P., Sharifi M. A review of Bat studies Iran. V European Congress of Mammalogy., Siena- Italy. 2005.

یغمائی م. فرازمنده ع. غفاری س. ح. سروری ج. علی مقدم ک. قوام زاده ا. تشخیص و اندازه گیری کمی میزان بیماری باقیمانده جزئی در بیماری لوکمی میلوئیدی مزمن پس از پیوند مغز استخوان. دوازدهمین کنفرانس زیست شناسی ایران. ۱۳۸۴.

Sedaghat M. Vallian S. Farazmand A. Study of the principal parameters in PCR-MSP method for analysis of P16 gene promoter methylation pattern. The 12th *National and the First International Conference of Biology.*, Sep. 2004.

Farazmand A., Basrur P., King A., (presentation). X-inactive specific Transcript (Xist) and X chromosome inactivation in Bovine. The 8th Iranian Genetic Congress. (2003).

Farazmand A., Basrur PK., Stranzinger J., King WA. (2002). Expression of sense and antisense strands of Xist in bovine species. *Biology of Reproduction. Supplement* 2002.

Farazmand A., Stranzinger G., Basrur P., King A., Expression profile of X-linked genes in Bovine cell culture. 34th Annual Meeting of Society of Reproduction., 2001.

Farazmand A., Peippo J., King WA., Basrur PK., (2000). Expression of X-linked genes in male and female bovine tissues. *Biology of Reproduction*, Vol. 62, Supplement.

Peippo J., **Farazmand A.**, Kurkilahti M., Basrur PK., King WA. (2000). Hypoxanthine phosphoribosyl transferase (HPRT) is inactivated before glucose-6-phosphate dehydrogenase (G6PD) in day 8-9 female blastocyst produced in vitro. *14th International Congress on Animal Reproduction*, 2-6 July, Stockholm, Sweden. Abstracts, Vol. 2, 18:42.

Peippo J., **Farazmand A.**, Markkula M., Basrur PK., King WA. (2000). Expression of sex-chromosome linked genes during pre-attachmment development in vitro. *Theriogenology*. Abstracts: 58: 408.

فرازمنده علی. مریم مهاجری. ماندانا محی الدین. ژنتیک بیماریهای خودایمنی با تاکید بر بیماری لوپوس اریتماتوزیس. ژنتیک در هزاره سوم. زمستان ۱۳۸۷

فرازمند علی. لہسایس سارا. توالی های تکراری سه تایی و نقش آنها در بیماری های ژنتیکی. ژنتیک در هزاره سوم ، سال چهارم شماره ۲ تابستان ۱۳۸۵

فرازمند علی. ریاضیات، میکروسکوپی دیگر و بهتر برای زیست شناسی؛ زیست شناسی ، فیزیکی دیگر و بهتر برای ریاضیات (ترجمه) . نشر ریاضی، سال ۱۷ شماره ۲، مهر ۱۳۸۸. مرکز نشر دانشگاهی نشر ریاضی.

چند مقاله فارسی اخیر

۱. ارتباط علمی، مروری بر اهمیت، تاریخچه و مدل های آن، علی فرازمند مجله زیست شناسی ایران، ویژه نامه کروناویروس ها و کووید ۱۹، زمستان ۹۸، جلد ۳، پیاپی ۶، ۱۸-۱
۲. دو فرهنگ چارلز پرسی اسنو، گسست ارتباطی میان دانشمندان علوم و "روشنفکران"، شماره نخست، نامه علوم پایه، بهار ۱۴۰۰
۳. مسئولیت اجتماعی آموزش عالی، علی فرازمند، نامه علوم پایه، شماره های ۲ و ۳، تابستان و پائیز ۱۴۰۰، ۷۶-۵۰
۴. چهار مرحله یک قلمرو علمی؛ چهار نوع دانشمند، ترجمه علی فرازمند، پرویز ملک زاده، نامه علوم پایه، شماره های ۲ و ۳، تابستان و پائیز ۱۴۰۰، ۱۲۷-۱۱۷
۵. میراث پوپر، درآمدی بر اندیشه های پوپر در نگرش علمی، زیست شناسی و تکامل. نامه علوم پایه، شماره های ۷ و ۸ پائیز و زمستان ۱۴۰۱، ۸۴-۷۳
۶. درک اثرات آموزش از دریچه زیست شناسی (ترجمه). مجله زیست شناسی ایران، جلد ۶، شماره پیاپی ۱۱، بهار و تابستان ۱۴۰۱.
۷. علم جهانی و مقایسات ملی؛ وراي کتاب سنجی و علم سنجی (ترجمه). اتابک روحی امینجان، علی فرازمند. نامه علوم پایه، شماره ۶، تابستان ۱۴۰۱، ۵۷-۳۹
۸. مروری بر آثار ابوریحان بیرونی. شکوه یکپارچگی نخبگی و بختگی. نامه علوم پایه، شماره های ۹ و ۱۰، بهار و تابستان ۱۴۰۲، ۱۴۳-۱۳۳
۹. مروری بر احوال و آثار محمد بن زکریای رازی (۳۰۴-۲۴۳ شمسی). نامه علوم پایه، شماره های ۱۱ و ۱۲، پائیز و زمستان ۱۴۰۲، ۱۴۱-۱۱۹.
۱۰. فلسفه اخلاق ابوبکر رازی به عنوان راهنمای زندگی انسان امروزی (ترجمه). نامه علوم پایه، شماره های ۱۱ و ۱۲، پائیز و زمستان ۱۴۰۲، ۱۵۲-۱۴۲.