



مریم شاه حسینی

استاد

محل خدمت: پژوهشگاه علوم سلولی (رویان)



سوابق تحصیلی

مقطع تحصیلی	سال اخذ مدرک	رشته و گرایش تحصیلی	دانشگاه
دکترای تخصصی	۱۳۸۶	بیوشیمی	دانشگاه تهران

اطلاعات استخدامی

محل خدمت	عنوان سمت	نوع استخدام	نوع همکاری	پایه
پژوهشگاه رویان	عضو هیأت علمی	رسمی قطعی	تمام وقت	

سوابق اجرایی

عضو هیأت علمی پژوهشگاه رویان

مقالات در نشریات

- Varnosfaderani, A.S., Kalantari, S., Ramazanali, F., Shahhoseini, M., Amirchaghmaghi, E., Increased Gene Expression of LITAF, TNF-alpha and BCL6 in Endometrial Tissues of Women with Endometriosis: A Case-Control Study, Cell Journal, 2024 4 1
- Mahdian, S., Zarrabi, M., Moini, A., Shahhoseini, M., Movahedi, M., Correction to: In silico evidence for prednisone and progesterone efficacy in recurrent implantation failure treatment (Journal of Molecular Modeling, (2022), 28, 4, (105), 10.1007/s00894-022-05093-z), Journal of Molecular Modeling, 2023 6 1
- Khosronezhad, N., Hassanzadeh, V., Hezavehei, M., Shahverdi, A., Shahhoseini, M., Comparative Epigenetic Analysis of Imprinting Genes Involved in Fertility, in Cryopreserved Human Sperms with Rapid Freezing versus Vitrification Methods, Cell Journal, 2023 4 1
- Ghorbaninejad, M., Khademi, & Shirvan, M., Hosseini, S., (...), Shahhoseini, M., Baghaban Eslaminejad, M., Effective role of Curcumin on expression regulation of EZH2 histone methyltransferase as a dynamic epigenetic factor in osteogenic differentiation of human mesenchymal stem cells, Biochimica et Biophysica Acta - Gene Regulatory Mechanisms, 2023 3 1
- Emami, N., Moini, A., Bakhtiarizadeh, M.R., (...), Shahhoseini, M., Alizadeh, A., Fatty Acids in Subcutaneous Adipose Tissue of Pregnant Women with and without Polycystic Ovary Syndrome Are Associated with Genes Related to Steroidogenesis: A Case-Control Study, International Journal of Fertility and Sterility, 2023 2 1
- Sefidabi, R., Alizadeh, A., Alipour, S., (...), Vesali, S., Moini, A., Fatty acid profiles and Delta9

desaturase (stearoyl-CoA desaturase; SCD 1) expression in adipose tissue surrounding benign .and malignant breast tumors,Heliyon,2023 11 1

Seydabadi, S., Nikukar, H., Vahdani, F.G., (...), Etesami, E., Zamanian, M.,TIMPs Expression as .7
A Maternal Cell Free Plasma Biomarker of Severe Preeclampsia: A Case-Control Study,Cell
.Journal,2023 1 1

Mahdian, S., Moini, A., Esfandiari, F., Shahhoseini, M.,Drug repurposing for targeting fibronectin .8
in treatment of endometriosis and cancers,Journal of Biomolecular Structure and
.Dynamics,2023

Sanamiri, K., Soleimani Mehranjani, M., Shahhoseini, M., Shariatzadeh, S.M.A.,The effect of .9
platelet lysate on mouse ovarian structure, function and epigenetic modifications after
.autotransplantation,Reproductive BioMedicine Online,2023

Alvandian, F., Hosseini, E., Hashemian, Z., (...), Shiva, M., Afsharian, P.,TGFbeta Gene .10
Members and Their Regulatory Factors in Granulosa Compared to Cumulus Cells in PCOS: A
.Case-Control Study,Cell Journal,2022 7 1

Esfandiari, F., Mansouri, N., Shahhoseini, M., (...), Vankelecom, H., Baharvand, .11
H.,Endometriosis organoids: prospects and challenges,Reproductive BioMedicine Online,2022 7
.1

Habibi, S., Ramazanali, F., Favaedi, R., (...), Amirchaghmaghi, E., Shahhoseini, M.,Thymic .12
stromal lymphopoietin (TSLP) is a potent pro-inflammatory mediator which is epigenetically
.deregulated in endometriosis,Journal of Reproductive Immunology,2022 6 1

Sanamiri, K., Mehranjani, M.S., Shahhoseini, M., Shariatzadeh, M.A.,L -Carnitine improves .13
follicular survival and function in ovarian grafts in the mouse,Reproduction, Fertility and
.Development,2022 6 1

Hashemian, Z., Amiri ,& Yekta, A., Khosravifar, M., (...), Hosseinkhani, S., Afsharian, .14
P,CYP19A1 Promoters Activity in Human Granulosa Cells: A Comparison between PCOS and
.Normal Subjects,Cell Journal,2022 4 1

Mahdian, S., Zarrabi, M., Moini, A., Shahhoseini, M., Movahedi, M.,In silico evidence for .15
prednisone and progesterone efficacy in recurrent implantation failure treatment,Journal of
.Molecular Modeling,2022 4 1

Kohandani, F., Jazireian, P., Favaedi, R., (...), Moshtaghioun, S.M., Shahhoseini, M.,Epigenetic .16
Dysregulation of BRDT Gene in Testis Tissues of Infertile Men: Case-Control Study,Cell
.Journal,2022 2 1

Kamrani, S., Amirchaghmaghi, E., Ghaffari, F., Shahhoseini, M., Ghaedi, K.,Altered gene .17
expression of VEGF, IGFs and H19 lncRNA and epigenetic profile of H19-DMR region in
.endometrial tissues of women with endometriosis,Reproductive Health,2022 12 1

Taghipour, F., Motamed, N., Amoozegar, M.A., Shahhoseini, M., Mahdian, S.,Carotenoids as .18
.potential inhibitors of TNFalpha in COVID-19 treatment,PLoS ONE,2022 12 1

Khamehiee, N., Jazireian, P., Ebrahimi, B., Alizadeh, A., Shahhoseini, M.,Paternal trans-fatty .19
acid and vitamin E diet affects rat offspring's semen quality and PPARs
.expression,Andrologia,2021 8 1

Yari, S., Khoei, H.H., Saber, M., (...), Moini, A., Shahhoseini, M.,Metformin attenuates .20
expression of angiogenic and inflammatory genes in human endometriotic stromal
.cells,Experimental Cell Research,2021 7 15

Esfandiari, F., Heidari Khoei, H., Saber, M., (...), Ghaffari, F., Baharvand, H.,Disturbed .21
progesterone signalling in an advanced preclinical model of endometriosis,Reproductive
.BioMedicine Online,2021 7 1

Oveisi, A., Vahdati, A., Shahhoseini, M., (...), Maroufizadeh, S., Movaghar, B.,Ovulation .22
induction changes epigenetic marks of imprinting genes in mice fetus organs,Cell Journal,2021 4
.1

Hajitarkhani, S., Moini, A., Hafezi, M., Shahhoseini, M., Alizadeh, A.,Differences in gene .23

- expression of enzymes involved in branched-chain amino acid metabolism of abdominal subcutaneous adipose tissue between pregnant women with and without PCOS,Taiwanese .Journal of Obstetrics and Gynecology,2021 3 1
- Mahdian, S., Pirjani, R., Favaedi, R., (...), Moini, A., Shahhoseini, M.,Platelet-activating factor .24 and antiphospholipid antibodies in recurrent implantation failure,Journal of Reproductive .Immunology,2021 2 1
- Esfandiari, F., Chitsazian, F., Jahromi, M.G., (...), Aflatoonian, A., Shahhoseini, M.,HOX cluster .25 and their cofactors showed an altered expression pattern in eutopic and ectopic endometriosis .tissues,Reproductive Biology and Endocrinology,2021 12 1
- Emami, N., Moini, A., Yaghmaei, P., (...), Shahhoseini, M., Alizadeh, A.R.,Differences in .26 expression of genes related to steroidogenesis in abdominal subcutaneous adipose tissue of pregnant women with and without PCOS; a case control study,BMC Pregnancy and .Childbirth,2021 12 1
- Olia Bagheri, F., Alizadeh, A., Sadighi Gilani, M.A., Shahhoseini, M.,Role of peroxisome .27 proliferator-activated receptor gamma (PPARgamma) in the regulation of fatty acid metabolism related gene expressions in testis of men with impaired spermatogenesis,Reproductive .Biology,2021 12 1
- Jazireian¹, P., Favaedi, R., Gilani, M.A.S., Shahhoseini, M.,Dynamic Expression and Chromatin .28 Incorporation of ACT and CREM Transcription Factors in Testis Tissues of Infertile Men,Cell .Journal,2021 12 1
- Almasi, M.Z., Hosseini, E., Jafari, R., (...), Afsharian, P., Aflatoonian, R.,Evaluation of Toll-like .29 receptor 3 (TLR3) signaling pathway genes and its genetic polymorphisms in ectopic and eutopic endometrium of women with endometriosis,Journal of Gynecology Obstetrics and .Human Reproduction,2021 11 1
- Esfandiari, F., Favaedi, R., Heidari ,& Khoei, H., (...), Baharvand, H., Shahhoseini, M.,Insight .30 into epigenetics of human endometriosis organoids: DNA methylation analysis of HOX genes .and their cofactors,Fertility and Sterility,2021 1 1
- Mollaee, Z., Favaedi, R., Jazireian, P., (...), Mohseni Meybodi, A., Shahhoseini, M.,Genetic .31 contribution of HIST1H1T regulatory region alternations to human nonobstructive .azoospermia,Andrologia,2020 8 1
- Mahdian, S., Zarrabi, M., Moini, A., Movahedi, M., Shahhoseini, M.,In silico identification of .32 new inhibitors for betaeta-2-glycoprotein I as a major antigen in antiphospholipid antibody .syndrome,Journal of Molecular Modeling,2020 6 1
- Chekini, Z., Poursadoughian Yaran, A., Ansari ,& Pour, N., (...), Aflatoonian, R., Afsharian, P.,A .33 novel gene-wide haplotype at the macrophage migration inhibitory factor (MIF) locus is associated with endometrioma,European Journal of Obstetrics and Gynecology and Reproductive .Biology,2020 4 1
- Emami, N., Shahhosseini, M., Yaghmaei, P., Alizadeh, A.,Expression of Aromatase Protein in .34 Abdominal Subcutaneous Adipose Tissue of Pregnant Women with Polycystic Ovary Syndrome .(PCOS),Journal of Isfahan Medical School,2020 11 1
- Emami, N., Alizadeh, A., Moini, A., Yaghmaei, P., Shahhosseini, M.,Differences in fatty acid .35 profiles and desaturation indices of abdominal subcutaneous adipose tissue between pregnant .women with and without PCOS,Adipocyte,2020 1 1
- Mahdian, S., Shahhoseini, M., Moini, A.,COVID-19 mediated by basigin can affect male and .36 .female fertility,International Journal of Fertility and Sterility,2020
- Mousazadeh, S., Ghaheiri, A., Shahhoseini, M., Aflatoonian, R., Afsharian, P.,The effect of .37 imbalanced progesterone receptor-A/-B ratio on gelatinase expressions in .endometriosis,International Journal of Fertility and Sterility,2019 9 1
- Barjaste, N., Shahhoseini, M., Afsharian, P., Sharifi , Zarchi, A., Masoudi , Nejad, A.,Genome- .38 wide DNA methylation profiling in ectopic and eutopic of endometrial tissues,Journal of Assisted

.Reproduction and Genetics,2019 8 15

Etesami, E., Nikukar, H., Ramezanali, F., (...), Seydabadi, S., Zamanian, M.,Gene expression .39
analysis of MMPs in women with preeclampsia using cell-free fetal RNA in maternal
.plasma,Pregnancy Hypertension,2019 7 1

Molaie, S., Shahverdi, A., Sharafi, M., (...), Numan Bucak, M., Alizadeh, A.,Dietary trans and .40
saturated fatty acids effects on semen quality, hormonal levels and expression of genes related
.to steroid metabolism in mouse adipose tissue,Andrologia,2019 6 1

Amirteimouri, S., Ashini, M., Ramazanali, F., (...), Afsharian, P., Shahhoseini, M.,Epigenetic role .41
of the nuclear factor NF- κ B on Id gene family in endometrial tissues of women with
.endometriosis: A case control study,Reproductive Biology and Endocrinology,2019 3 15

Mousazadeh, S., Ghaehri, A., Shahhoseini, M., Aflatoonian, R., Afsharian, P.,Differential .42
expression of progesterone receptor isoforms related to PGR 331g/a polymorphism in
.endometriosis: A case-control study,International Journal of Reproductive BioMedicine,2019 3 1

Samadieh, Y., Favaedi, R., Ramezanali, F., (...), Aflatoonian, R., Shahhoseini, M.,Epigenetic .43
Dynamics of HOXA10 Gene in Infertile Women With Endometriosis,Reproductive Sciences,2019 1
.1

Hosseini, E., Shahhoseini, M., Afsharian, P., (...), Mehraein, F., Afatoonian, R.,Role of .44
epigenetic modifications in the aberrant CYP19A1 gene expression in polycystic ovary
.syndrome,Archives of Medical Science,2019

Golestan Jahromi, M., Aflatoonian, R., Afsharian, P., (...), Shahhoseini, M., Aflatoonian, .45
A.,Altered expression of 3' paralogous HOX A-D clusters in endometriosis disease: A case-control
.study,International Journal of Reproductive BioMedicine,2018 9 1

Shokraii, F., Moharrami, M., Motamed, N., (...), Khosravani, P., Ebrahimi, M.,Histone .46
modification marks strongly regulate Cdh1 promoter in prostospheres as a model of prostate
.cancer stem like cells,Cell Journal,2018 7 1

Jahangiri, M., Shahhoseini, M., Movaghar, B.,The effect of vitrification on expression and .47
histone marks of Igf2 and Oct4 in blastocysts cultured from two-cell mouse embryos,Cell
.Journal,2018 3 1

Eelaminejad, Z., Favaedi, R., Modarresi, T., (...), Gilani, M.A.S., Shahhoseini, M.,Association .48
between JMJD1A expression and sperm retrieval in non-obstructive azoospermic patients,Cell
.Journal,2018 3 1

Sahraei, S.S., Shahhoseini, M., Movaghar, B.,Vitrification Has an Effect like Culture on Gene .49
.Expression and Histone Modification In Mouse Embryos,Cryo letters,2018 3 1

Shariati, F., Favaedi, R., Ramazanali, F., (...), Aflatoonian, R., Shahhoseini, M.,Increased .50
expression of stemness genes rex-1, oct-4, nanog, and sox-2 in women with ovarian
endometriosis versus normal endometrium: A case-control study,International Journal of
.Reproductive BioMedicine,2018 12 1

Bakhtiarzadeh, M.R., Hosseinpour, B., Shahhoseini, M., Korte, A., Gifani, P.,Weighted gene co- .51
expression network analysis of endometriosis and identification of functional modules
.associated with its main hallmarks,Frontiers in Genetics,2018 10 12

Eslami, H., Eslami, A., Favaedi, R., (...), Shahhoseini, M., Meybodi, A.M.,Epigenetic Aberration .52
.of FMR1 Gene in Infertile Women with Diminished Ovarian Reserve,Cell Journal,2018

Eelaminejad, Z., Favaedi, R., Sodeifi, N., Sadighi Gilani, M.A., Shahhoseini, M.,Deficient .53
expression of JMJD1A histone demethylase in patients with round spermatid maturation
.arrest,Reproductive BioMedicine Online,2017 1 1

Keyvani , Ghamsari, S., Rabbani , Chadegani, A., Sargolzaei, J., Shahhoseini, M.,Effect of .54
irinotecan on HMGB1, MMP9 expression, cell cycle, and cell growth in breast cancer (MCF-7)
.cells,Tumor Biology,2017

Mokhtari, V., Afsharian, P., Shahhoseini, M., Kalantar, S.M., Moini, A.,A review on various uses .55
.of N-acetyl cysteine,Cell Journal,2017

Falahzadeh, K., Shahhoseini, M., Afsharian, P., Differential incorporation of beta-actin as a .56 component of RNA polymerase II into regulatory regions of stemness/differentiation genes in .retinoic acid-induced differentiated human embryonic carcinoma cells, *Cell Journal*, 2016 9 1

Hosseini, E., Mehraein, F., Shahhoseini, M., (...), Afsharian, P., Aflatoonian, R., Epigenetic .57 alterations of CYP19A1 gene in Cumulus cells and its relevance to infertility in .endometriosis, *Journal of Assisted Reproduction and Genetics*, 2016 8 1

Fani, N., Ziadlou, R., Shahhoseini, M., Baghaban Eslaminejad, M., Comparative epigenetic .58 influence of autologous versus fetal bovine serum on mesenchymal stem cells through in vitro .osteogenic and adipogenic differentiation, *Experimental Cell Research*, 2016 6 10

Heydarian, N., Favaedi, R., Gilani, M.A.S., Shahhoseini, M., Expression level of chromodomain .59 Y (CDY): Potential marker for prediction of sperm recovery in non-obstructive .azoospermia, *International Journal of Reproductive BioMedicine*, 2016 6 1

Banijamali, M., Rabbani, & Chadegani, A., Shahhoseini, M., Lithium attenuates lead induced .60 toxicity on mouse non-adherent bone marrow cells, *Journal of Trace Elements in Medicine and .Biology*, 2016

Favaedi, R., Shahhoseini, M., Pakzad, M., Mollamohammadi, S., Baharvand, H., Comparative .61 epigenetic evaluation of human embryonic stem and induced pluripotent cells, *International .Journal of Developmental Biology*, 2016

Shahhoseini, M., Azad, M., Sabbaghian, M., (...), Gilani, M.A.S., Gourabi, H., New single .62 nucleotide polymorphism G5508A in the SEPT12 gene may be associated with idiopathic male .infertility in Iranian men, *Iranian Journal of Reproductive Medicine*, 2015 8 1

Haji Ebrahim Zargar, H., Mohseni Meybodi, A., Sabbaghian, M., (...), Farhangniya, M., .63 Shahzadeh Fazeli, ... Association of two polymorphisms in H2B.W gene with azoospermia and severe oligozoospermia in an Iranian population, *International Journal of Fertility and .Sterility*, 2015 7 1

Ziadlou, R., Shahhoseini, M., Safari, F., (...), Nemati, S., Eslaminejad, M.B., Comparative .64 analysis of neural differentiation potential in human mesenchymal stem cells derived from .chorion and adult bone marrow, *Cell and Tissue Research*, 2015 5 30

Falahzadeh, K., Banaei, & Esfahani, A., Shahhoseini, M., The potential roles of actin in the .65 .nucleus, *Cell Journal*, 2015 3 1

Sadr, S.Z., Ebrahimi, B., Shahhoseini, M., Fatehi, R., Favaedi, R., Mouse preantral follicle .66 development in two-dimensional and three-dimensional culture systems after ovarian tissue .vitrification, *European Journal of Obstetrics and Gynecology and Reproductive Biology*, 2015 11 1

Moeinvaziri, F., Shahhoseini, M., Epigenetic role of CCAAT box-binding transcription factor NF- .67 .Y on ID gene family in human embryonic carcinoma cells, *IUBMB Life*, 2015 11 1

Mahdian, S., Aflatoonian, R., Yazdi, R.S., (...), Afsharian, P., Shahhoseini, M., Macrophage .68 .migration inhibitory factor as a potential biomarker of endometriosis, *Fertility and Sterility*, 2015

Abdossamadi, S., Rabbani, & Chadegani, A., Shahhoseini, M., Insights into the structural .69 stability of nuclear matrix ribonucleoprotein, LMG160: Thermodynamic and spectroscopic .analysis, *Journal of Biomolecular Structure and Dynamics*, 2014 6 3

Shafipour, M., Sabbaghian, M., Shahhoseini, M., Gilani, M.A.S., Comparative expression .70 analysis of Septin 14 in testes of infertile men with normal spermatogenesis and spermatogenic .failure, *Iranian Journal of Reproductive Medicine*, 2014 3 1

Hosseini, H., Shafipour, M., Modarresi, T., (...), Shahhosseini, M., Sabbaghian, .71 M., Relationship between absence of annulus and asthenozoospermia in Iranian men, *Journal of .Assisted Reproduction and Genetics*, 2014 12 2

Jahangiri, M., Shahhoseini, M., Movaghar, B., H19 and MEST gene expression and histone .72 modification in blastocysts cultured from vitrified and fresh two-cell mouse .embryos, *Reproductive BioMedicine Online*, 2014 11 1

Fatehi, R., Ebrahimi, B., Shahhosseini, M., Farrokhi, A., Fathi, R., Effect of ovarian tissue .73

- vitrification method on mice preantral follicular development and gene .expression, *Theriogenology*, 2014 1 15
- Shahhoseini, M., Taghizadeh, Z., Hatami, M., Baharvand, H., Retinoic acid dependent histone 3 .74 demethylation of the clustered HOX genes during neural differentiation of human embryonic .stem cells, *Biochemistry and Cell Biology*, 2013 4 1
- Kakhki, S.A., Shahhoseini, M., Salekdeh, G.H., Comparative SRY incorporation on the .75 regulatory regions of pluripotency/differentiation genes in human embryonic carcinoma cells .after retinoic acid induction, *Molecular and Cellular Biochemistry*, 2013 4 1
- Eslaminejad, M.B., Karimi, N., Shahhoseini, M., Chondrogenic differentiation of human bone .76 marrow-derived mesenchymal stem cells treated by GSK-3 inhibitors, *Histochemistry and Cell .Biology*, 2013 12 1
- Jangravi, Z., Alikhani, M., Arefnezhad, B., (...), Gourabi, H., Salekdeh, G.H., A fresh look at the .77 .male-specific region of the human y chromosome, *Journal of Proteome Research*, 2013 1 4
- Eslaminejad, M.B., Fani, N., Shahhoseini, M., Epigenetic regulation of osteogenic and .78 .chondrogenic differentiation of mesenchymal stem cells in culture, *Cell Journal*, 2013
- Rajabpour, Rajabpour, M., Totonchi, M., Shahhoseini, M., (...), Alipour, H., Eftekhari, Yazdi, .79 P., Quantitative expression of developmental genes, Pou5f1 (Oct4) and mest (Peg1), in vitrified .mouse embryos, *International Journal of Reproductive BioMedicine*, 2013
- Favaedi, R., Shahhoseini, M., Akhoond, M.R., Comparative epigenetic analysis of Oct4 .80 regulatory region in RA-induced differentiated NT2 cells under adherent and non-adherent culture .conditions, *Molecular and Cellular Biochemistry*, 2012 4 1
- Saeed, S., Logie, C., Francoijs, K. & J., (...), Martens, J.H.A., Stunnenberg, H.G., Chromatin .81 accessibility, p300, and histone acetylation define PML-RARalpha and AML1-ETO binding sites in .acute myeloid leukemia, *Blood*, 2012 10 11
- Eslaminejad, M.B., Karimi, N., Shahhoseini, M., Enhancement of glycosaminoglycan-rich .82 matrix production in human marrow-derived mesenchymal stem cell chondrogenic culture by .lithium chloride and SB216763 treatment, *Cell Journal*, 2011 6 1
- Jadaliha, M., Shahhoseini, M., Epigenetic and cellular memory, *Yakhteh*, 2010 9 1 .83
- Shahhoseini, M., Taei, A., Mehrjardi, N.Z., Salekdeh, G.H., Baharvand, H., Epigenetic analysis of .84 human embryonic carcinoma cells during retinoic acid-induced neural .differentiation, *Biochemistry and Cell Biology*, 2010 6 1
- Shahhoseini, M., Favaedi, R., Baharvand, H., Sharma, V., Stunnenberg, H.G., Evidence for a .85 dynamic role of the linker histone variant H1x during retinoic acid-induced differentiation of NT2 .cells, *FEBS Letters*, 2010 11 19
- Shahhoseini, M., Chadegani, A.R., An overview to the structure and function of nuclear .86 .matrix, *Yakhteh*, 2009 12 1
- Shahhoseini, M., Chadegani, A.R., Abdosamadi, S., Evidence for the structural stability of .87 ribonucleoprotein LMG160 under ribonuclease - A treatment, *Molecular and Cellular .Biochemistry*, 2009
- Shahhoseini, M., Rabbani, & Chadegani, A., Transcriptional inhibition by a non-histone protein .88 from low mobility group in homologous and heterologous in vitro systems, *Molecular Biology .Reports*, 2008 6 1
- Totonchi, M., Shahhoseini, M., Momeni Moghadam, M., Baharvand, H., Epigenetic of stem .89 .cells, *Yakhteh*, 2007 3 1
- Shahhoseini, M., Rabbani, & Chadegani, A., Abdosamadi, S., Identification of nonhistone .90 protein LMG160 as a ribonucleoprotein of the nuclear matrix with a role in transcription in .vitro, *Biochimie*, 2007 11 1
- Shahhoseini, M., Ziaee, A., A., Pourbabai, A., A., Ghaemi, N., Declerck, N., A natural variant of .91 *Bacillus licheniformis* alpha-amylase isolated from flour mill wastewaters sheds light on the .origin of high thermostability, *Journal of Applied Microbiology*, 2005

Shahhoseini, M., Ziaee, A. ,& A., Ghaemi, N.,Expression and secretion of an alpha-amylase .92
gene from a native strain of *Bacillus licheniformis* in *Escherichia coli* by T7 promoter and
.putative signal peptide of the gene,*Journal of Applied Microbiology*,2003