



عبدالحسین شاهوردی

استاد

محل خدمت: پژوهشگاه علوم سلولی (رویان)



| سوابق تحصیلی | | | |
|---------------|--------------|---------------------|--------------------|
| مقطع تحصیلی | سال اخذ مدرک | رشته و گرایش تحصیلی | دانشگاه |
| کارشناسی | | شنوایی سنجی | علوم پزشکی |
| کارشناسی ارشد | | علوم تشریحی | تربیت مدرس |
| دکترای تخصصی | ۱۳۸۶ | علوم تشریحی | دانشگاه تربیت مدرس |

| اطلاعات استخدامی | | | | |
|------------------|---------------------|-------------|------------|------|
| محل خدمت | عنوان سمت | نوع استخدام | نوع همکاری | پایه |
| پژوهشگاه رویان | رئیس پژوهشگاه رویان | رسمی قطعی | تمام وقت | |

سوابق اجرایی

معاون پژوهش و فناوری پژوهشگاه رویان

معاون پژوهشی و آموزشی پژوهشگاه رویان

رئیس پژوهشگاه رویان

عضو هیئت مدیره انجمن علمی تخصصی باروری و ناباروری ایران

فعالیت های علمی و اجرایی

رئیس کنفرانس بیست و یکمین کنگره ی پزشکی تولید مثل و شانزدهمین کنگره زیست شناسی و فناوری سلول های بنیادی 1399 عضو هیئت علمی گروه جنین شناسی پژوهشگاه رویان

عضو هیئت مدیره انجمن علمی تخصصی باروری و ناباروری ایران

عضو شورای علمی گروه پژوهشی تحقیقات پایه و جمعیتی بیماری های غیر واگیر

1. Esfahani, M.H., Alpha-Lipoic Acid و Habibi, M., Abbasi, B., Zavareh, Z.F., (...), Tavalae, M., Nasr .1
Ameliorates Sperm DNA Damage and Chromatin Integrity in Men with High DNA Damage: A
Triple Blind Randomized Clinical Trial. *Cell Journal*, ۲۰۲۲, ۱۰ ۱
2. Mohammadi, V., Sharifi, S.D., Sharafi, M., (...), Shahverdi, A., Alizadeh, A. Manipulation of fatty
acid profiles in roosters' testes, alteration in sexual hormones, improvements in testicular
histology characteristics and elevation sperm quality factor by L-carnitine. *Theriogenology*, ۲۰۲۱ ۲
.1
3. Mohammadi, V., Sharifi, S.D., Sharafi, M., (...), Shahverdi, A., Alizadeh, A. Manipulation of fatty
acid profiles in roosters' testes, alteration in sexual hormones, improvements in testicular
histology characteristics and elevation sperm quality factor by L-carnitine. *Theriogenology*, ۲۰۲۱ ۲
.1
4. Yazdi, P. Effect of و Gharanfoli, S., Shahverdi, A., Dalman, A., (...), Alipour, H., Eftekhari .۴
maternal age on hippo pathway related gene expressions and protein localization pattern in
human embryos. *Cell Journal*, ۲۰۲۰ ۹ ۱
5. Pazoki, H., Eimani, H., Farokhi, F., (...), Salman Yazdi, R., Tahaei, L.S. Comparing the growth .۵
and the development of mouse pre-antral follicle in medium with PL (Platelet Layset) and with
FBS. *Middle East Fertility Society Journal*, ۲۰۱۵ ۱۲ ۱
6. Esfahani, M.H. Kit و Esmailzadeh, F., Hosseini, S.M., Nasiri, Z., (...), Vosough, A.D., Nasr .۶
ligand and glial-derived neurotrophic factor as alternative supplements for activation and
development of ovine preantral follicles in vitro. *Molecular Reproduction and Development*, ۲۰۱۳ ۱
(۱)
7. Esfahani, M.H. Kit و Esmailzadeh, F., Hosseini, S.M., Nasiri, Z., (...), Vosough, A.D., Nasr .۷
ligand and glial-derived neurotrophic factor as alternative supplements for activation and
development of ovine preantral follicles in vitro. *Molecular Reproduction and Development*, ۲۰۱۳ ۱
(۱)
8. Moraveji, S. و F., Attari, F., Shahverdi, A., (...), Aghdami, N., Baharvand, H. Inhibition of و .۸
glycogen synthase kinase-۳ promotes efficient derivation of pluripotent stem cells from neonatal
mouse testis. *Human Reproduction*, ۲۰۱۲ ۸ ۱
9. Moraveji, S. و F., Attari, F., Shahverdi, A., (...), Aghdami, N., Baharvand, H. Inhibition of glycogen و .۹
synthase kinase-۳ promotes efficient derivation of pluripotent stem cells from neonatal mouse
testis. *Human Reproduction*, ۲۰۱۲ ۸ ۱
10. Esfahani, M.H., Hosseini, S.M., (...), Radpour, R., Salahshouri, I., Royana: و Ashtiani, S.K., Nasr .۱۰
Successful experience in cloning the sheep. *Yakhteh*, ۲۰۰۸ ۹ ۱
11. Shahverdi, A., Movahedin, M., Rezazadeh Valojerdi, M., Kazemi Ashtiani, S., Kashani, H. The .۱۱
arrangement of microtubules in embryos derived from mice young, old and reconstructed
oocytes. *Yakhteh*, ۲۰۰۸ ۶ ۱
12. Yazdi, P., Shahverdi, A. Effect of mono-(۲- و Dalman, A., Eimani, H., Sepehri, H., (...), Eftekhari .۱۲
ethylhexyl) phthalate (MEHP) on resumption of meiosis, in vitro maturation and embryo
development of immature mouse oocytes. *BioFactors*, ۲۰۰۸
13. Seifali, R., Aboutorabi, R., Shahverdi, A., (...), Mazani, F., Esmaili, V., The relationship of oocyte .13
and sperm membrane binding protein with the success of intrauterine
insemination, 2014-7-20, *Journal of Isfahan Medical Schoo*
14. Ghasemi, Z., Alizadeh Mogadam Masouleh, A., Rashki Ghaleno, L., (...), Rezazadeh Valojerdi, .14
M., Shahverdi, ..., Maternal nutrition and fetal imprinting of the male progeny, *Animal Reproduction*

- .Science,2024 6 1
- Najafi Salehi, J., Eimani, H., Shahverdi, A., (...), Taher Mofrad, S.M.J., Tahaei, .15
L.S.,Improvement of Mouse Preantral Follicle Survival and Development following Co-Culture
with Ovarian Parenchyma Cell Suspension,International Journal of Fertility and Sterility,2024 4 1
- Baharsaadi, M., Hezavehei, M., Shahverdi, A., Halvaei, I.,Evaluation of the effects of .16
.hydroxytyrosol on human sperm parameters during cryopreservation,Cryobiology,,2024 3 1
- Rashki Ghaleno, L., Pennisi, C.P., Shahverdi, A., (...), Alipour, H., Rezazadeh Valojerdi, .17
M.,Exploring the Role of Hyaluronic Acid in Reproductive Biology and Beyond: Applications in
.Assisted Reproduction and Tissue Engineering,Advanced Biology,,2024
- Baniasadi, F., Hajiaghalou, S., Shahverdi, A., (...), Pirhajati, V., Fathi, R.,The Beneficial Effects .18
of Static Magnetic Field and Iron Oxide Nanoparticles on the Vitrification of Mature Mice
.Oocytes,Reproductive Sciences,2023 7 1
- Abtahi, N.S., Ghezelayagh, Z., Nemati, I., (...), Silber, S., Fathi, R.,CRYOBIOLOGY AND .19
FERTILITY PRESERVATION: A PERSPECTIVE ON PAST, CURRENT AND FUTURE STUDIES,Cryo-
.Letters,2023 7 1
- Baniasadi, F., Hajiaghalou, S., Shahverdi, A., (...), Pirhajati, V., Fathi, R.,Correction: The .20
Beneficial Effects of Static Magnetic Field and Iron Oxide Nanoparticles on the Vitrification of
Mature Mice Oocytes (Reproductive Sciences, (2023), 30, 7, (2122-2136),
.10.1007/s43032-022-01144-1),Reproductive Sciences,2023 7 1
- Baniasadi, F., Hajiaghalou, S., Shahverdi, A., (...), Pirhajati, V., Fathi, R.,Correction: The .21
Beneficial Effects of Static Magnetic Field and Iron Oxide Nanoparticles on the Vitrification of
Mature Mice Oocytes (Reproductive Sciences, (2023), 30, 7, (2122-2136),
.10.1007/s43032-022-01144-1),Reproductive Sciences,2023 7 1
- Dadkhah, E., Hajari, M.A., Abdorahimzadeh, S., (...), Taghipoor, M., Montazeri, L.,Development .22
of a novel cervix-inspired tortuous microfluidic system for efficient, high-quality sperm
.selection,Lab on a Chip,2023 5 18
- Gholami, D., Sharafi, M., Esmaeili, V., (...), Riazi, G., Shahverdi, A.,Beneficial effects of .23
.trehalose and gentiobiose on human sperm cryopreservation,PLoS ONE,2023 4 1
- Khosronezhad, N., Hassanzadeh, V., Hezavehei, M., Shahverdi, A., Shahhoseini, .24
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
- AbbasiHormozi, S., Kouhkan, A., Shahverdi, A., (...), Shirin, A., Vesali, S.,How much obesity .25
.and diabetes do impair male fertility?,Reproductive Biology and Endocrinology,2023 12 1
- AbbasiHormozi, S., Kouhkan, A., Shahverdi, A., (...), Shirin, A., Vesali, S.,How much obesity .26
.and diabetes do impair male fertility?,Reproductive Biology and Endocrinology,2023 12 1
- Ghorbaninejad, Z., Eghbali, A., Ghorbaninejad, M., (...), Eftekhari, & Yazdi, P., Esfandiari, .27
F.,Carob extract induces spermatogenesis in an infertile mouse model via upregulation of Prm1,
.Plzf, Bcl-6b, Dazl, Ngn3, Stra8, and Smc1b,Journal of Ethnopharmacology,2023 1 30
- Ghorbaninejad, Z., Eghbali, A., Ghorbaninejad, M., (...), Eftekhari, & Yazdi, P., Esfandiari, .28
F.,Carob extract induces spermatogenesis in an infertile mouse model via upregulation of Prm1,
.Plzf, Bcl-6b, Dazl, Ngn3, Stra8, and Smc1b,Journal of Ethnopharmacology,2023 1 30
- Abbasihormozi, S., Kouhkan, A., Shahverdi, A., (...), Akbarinehad, V., Alizadeh, A.,Nuclear .29
Factor Kappa-B Protein Levels in Sperm of Obese Men with and without Diabetes; Cellular
.Approach in Male Infertility,Cell Journal,2023 1 1
- Abbasihormozi, S., Kouhkan, A., Shahverdi, A., (...), Akbarinehad, V., Alizadeh, A.,Nuclear .30
Factor Kappa-B Protein Levels in Sperm of Obese Men with and without Diabetes; Cellular
.Approach in Male Infertility,Cell Journal,2023 1 1
- Yazdanpanah Ghadikolaei, P., Ghaleno, L.R., Vesali, S., (...), Drevet, J.R., Moghadam .31
Masouleh, A.A....,Epidemiology of sperm DNA fragmentation in a retrospective cohort of 1191
.men,Andrology,2023

Mirshahvaladi, S., Topraggaleh, T.R., Bucak, M.N., Rahimizadeh, P., Shahverdi, A., Quantitative proteomics of sperm tail in asthenozoospermic patients: exploring the molecular pathways affecting sperm motility, *Cell and Tissue Research*, 2023

Habibi, M., Zavareh, Z.F., Abbasi, B., (...), Tavalae, M., Nasr, & Esfahani, M.H., Alpha-Lipoic Acid Supplementation for Male Partner of Couples with Recurrent Pregnancy Loss: A Post hoc analysis in Clinical Trial, *International Journal of Fertility and Sterility*, 2023

Jahangiri, A.R., Ziarati, N., Dadkhah, E., (...), Sadighi Gilani, M.A., Topraggaleh, T.R., Microfluidics: The future of sperm selection in assisted reproduction, *Andrology*, 2023

Sadeghi, N., Tavalae, M., Shahverdi, A., (...), Agarwal, A., Nasr, & Esfahani, M.H., Vulnerability of The Male Reproductive System to SARS-CoV-2 Invasion: Potential Role for The Endoplasmic Reticulum Chaperone Grp78/HSPA5/BiP, *Cell Journal*, 2022 8 1

Sadeghi, N., Tavalae, M., Shahverdi, A., (...), Agarwal, A., Nasr, & Esfahani, M.H., Vulnerability of The Male Reproductive System to SARS-CoV-2 Invasion: Potential Role for The Endoplasmic Reticulum Chaperone Grp78/HSPA5/BiP, *Cell Journal*, 2022 8 1

Pourazadi, L., Sharafi, M., Torshizi, M.A.K., Shahverdi, A., Alizadeh, A., Modulatory effects of pioglitazone as a ligand for the peroxisome proliferator-activated receptor on semen quality and fertility potential of broiler breeder roosters, *Poultry Science*, 2022 5 1

Pourazadi, L., Sharafi, M., Torshizi, M.A.K., Shahverdi, A., Alizadeh, A., Modulatory effects of pioglitazone as a ligand for the peroxisome proliferator-activated receptor on semen quality and fertility potential of broiler breeder roosters, *Poultry Science*, 2022 5 1

Sharafi, M., Borghei, & Rad, S.M., Hezavehei, M., Shahverdi, A., Benson, J.D., Cryopreservation of Semen in Domestic Animals: A Review of Current Challenges, Applications, and Prospective Strategies, *Animals*, 2022 12 1

Esmaili, V., Zendehei, M., Shahverdi, A., Alizadeh, A., Relationship between obesity-related markers, biochemical metabolic parameters, hormonal profiles and sperm parameters among men attending an infertility clinic, *Andrologia*, 2022 11 1

Hezavehei, M., Mirzaei, M., Sharafi, M., (...), Shahverdi, A., Salekdeh, G.H., Proteomics study reveals the molecular mechanisms underlying cryotolerance induced by mild sublethal stress in human sperm, *Cell and Tissue Research*, 2022 1 1

Hezavehei, M., Mirzaei, M., Sharafi, M., (...), Shahverdi, A., Salekdeh, G.H., Proteomics study reveals the molecular mechanisms underlying cryotolerance induced by mild sublethal stress in human sperm, *Cell and Tissue Research*, 2022 1 1

Khosrozadeh, F., Karimi, A., Hezavehei, M., Sharafi, M., Shahverdi, A., Preconditioning of bull semen with sub-lethal oxidative stress before cryopreservation: Possible mechanism of mitochondrial uncoupling protein 2, *Cryobiology*, 2022

Rezaie, F.S., Hezavehei, M., Sharafi, M., Shahverdi, A., Improving the post-thaw quality of rooster semen using the extender supplemented with resveratrol, *Poultry Science*, 2021 9 1

Hezavehei, M., Shokoohian, B., Nasr, & Esfahani, M.H., (...), Shahverdi, A., Vosough, M., Possible male reproduction complications after Coronavirus pandemic, *Cell Journal*, 2021 9 1

Hezavehei, M., Shokoohian, B., Nasr, & Esfahani, M.H., (...), Shahverdi, A., Vosough, M., Possible male reproduction complications after Coronavirus pandemic, *Cell Journal*, 2021 9 1

Hezavehei, M., Sharafi, M., Fathi, R., Shahverdi, A., Gilani, M.A.S., Membrane lipid replacement with nano-micelles in human sperm cryopreservation improves post-thaw function and acrosome protein integrity, *Reproductive BioMedicine Online*, 2021 8 1

Habibi, M., Sadeghi, N., Tavalae, M., (...), Ghorban, Z., Nasr, & Esfahani, M.H., Sperm chromatin integrity in a man with macrocephaly syndrome, *Andrologia*, 2021 8 1

Rahimi, M., Rahimi, S., Sharafi, M., Shahverdi, A., Grimes, J.L., The effect of methyl-beta-cyclodextrin on DNA absorption and quality of posttransfected sperm, *Poultry Science*, 2021 5 1

Baniasadi, F., Hajiaghalou, S., Shahverdi, A., Pirhajati, V., Fathi, R., Static magnetic field halves cryoinjuries of vitrified mouse COCs, improves their functions and modulates pluripotency of

.derived blastocysts,Theriogenology,2021 3 15

Rahimizadeh, P., Rezaei Topraggaleh, T., Bucak, M.N., (...), Maroufizadeh, S., Shahverdi, .51
A.,Effect of Bovine Serum Albumin Supplementation in Tris-Soybean Lecithin-Based Extender on
.Quality of Chilled Ram Epididymal Spermatozoa,Biopreservation and Biobanking,,2021 2 1

Faraji, S., Rashki Ghaleno, L., Sharafi, M., (...), Shahverdi, A., Fathi, R.,Gene Expression .52
Alteration of Sperm-Associated Antigens in Human Cryopreserved Sperm,Biopreservation and
.Biobanking,2021 12 1

Faraji, S., Rashki Ghaleno, L., Sharafi, M., (...), Shahverdi, A., Fathi, R.,Gene Expression .53
Alteration of Sperm-Associated Antigens in Human Cryopreserved Sperm,Biopreservation and
.Biobanking,2021 12 1

Yousefi, M., Narchi, M., Sharafi, M., (...), Shahverdi, A., Masoudi, R.,Rooster frozen-thawed .54
semen quality following sublethal xanthine oxidase treatments,Animal Reproduction
.Science,2021 12 1

Faraji, S., Sharafi, M., Shahverdi, A., Fathi, R.,Sperm associated antigens: Vigorous influencers .55
.in life,Cell Journal,,2021 10 1

Faraji, S., Sharafi, M., Shahverdi, A., Fathi, R.,Sperm associated antigens: Vigorous influencers .56
.in life,Cell Journal,,2021 10 1

Ghaleno, L.R., Alizadeh, A., Drevet, J.R., Shahverdi, A., Valojerdi, M.R.,Oxidation of sperm dna .57
.and male infertility,Antioxidants,2021 1 1

Topraggaleh, T.R., Bucak, M.N., Shahverdi, M., (...), Garip, M., Shahverdi, A.,Functional and .58
Flow Cytometric Analysis of Buffalo Cryopreserved Spermatozoa: Comparison of Different
.Breeds and Incubation Times,International Journal of Fertility and Sterility,,2021

Nikfarjam, M., Ghaleno, L.R., Shahverdi, A., (...), Ghoreishi, S.M., Alizadeh, A.,Effects of dietary .59
pomegranate peel on antioxidant gene expression and dj-1 protein abundance in ram
.testes,International Journal of Fertility and Sterility,2021

Nateghi, R., Ghashghaei, S., Shokoochian, B., (...), Nasr ,& Esfahani, M.H., Vosough, M.,Female .60
Reproductive Health in SARS-CoV-2 Pandemic Era,International Journal of Fertility and
.Sterility,2021

Mousavi, M.S., Shahverdi, A., Sharafi, M., Rahimizadeh, P., Alizadeh, A.R.,The effect of .61
peroxisome proliferator-activated receptors (PPARs) in male fertility,Journal of Isfahan Medical
.School,2020 9 1

Zandiyeh, S., Shahverdi, A., Ebrahimi, B., Sabbaghian, M.,A novel approach for human sperm .62
.cryopreservation with AFPIII,Reproductive Biology,2020 6 1

Seifi, S., Shahverdi, A., Rezaei Topraggaleh, T., (...), Habibi, M., Alizadeh, A.,Inclusion of ovine .63
enriched serum with vitamin E and polyunsaturated fatty acids in the freezing medium: a new
.strategy to improve human frozen-thawed sperm parameters,Andrologia,2020 5 1

Taher ,& Mofrad, S.M.J., Topraggaleh, T.R., Ziarati, N., (...), Rahimizadeh, P., Shahverdi, .64
A.,Knockout serum replacement is an efficient serum substitute for cryopreservation of human
.spermatozoa,Cryobiology,,2020 2 1

Pourazadi, L., Sharafi, M., Torshizi, M.A.K., Shahverdi, A., Alizadeh, A.,Peroxisome proliferator- .65
activated receptors (PPARs) as a mediator of dietary fatty acids affects reproductive
.performance in broiler breeder roosters,Theriogenology,,2020 12 1

Akbarinejad, V., Fathi, R., Shahverdi, A., (...), Rezagholizadeh, A., Ghaleno, L.R.,The .66
Relationship of Mitochondrial Membrane Potential, Reactive Oxygen Species, Adenosine
Triphosphate Content, Sperm Plasma Membrane Integrity, and Kinematic Properties in
.Warmblood Stallions,Journal of Equine Veterinary Science,2020 11 1

Salehi, M., Mahdavi, A.H., Sharafi, M., Shahverdi, A.,Cryopreservation of rooster semen: .67
.Evidence for the epigenetic modifications of thawed sperm,Theriogenology,2020 1 15

Rahimizadeh, P., Topraggaleh, T.R., Nasr , Esfahani, M.H., (...), Eftekhari , Yazdi, P., Shahverdi, .68
A.,The alteration of PLC β protein expression in unexplained infertile and

asthenoteratozoospermic patients: A potential effect on sperm fertilization ability, *Molecular Reproduction and Development*, 2020 1 1

Karimi, N., Kouchesfahani, H.M., Nasr, & Esfahani, M.H., (...), Shahverdi, A., Choobineh, H., DGC/Zeta as A New Strategy to Improve Clinical Outcome in Male Factor Infertility Patients following Intracytoplasmic Sperm Injection: A randomized, single-blind, clinical trial, *Cell Journal*, 2020

Gholami, D., Ghaffari, S.M., Riazi, G., (...), Shahverdi, A., Sharafi, M., Electromagnetic field in human sperm cryopreservation improves fertilizing potential of thawed sperm through physicochemical modification of water molecules in freezing medium, *PLoS ONE*, 2019 9 1

Gholami, D., Riazi, G., Fathi, R., Sharafi, M., Shahverdi, A., Comparison of polymerization and structural behavior of microtubules in rat brain and sperm affected by the extremely low-frequency electromagnetic field, *BMC Molecular and Cell Biology*, 2019 8 29

Kheirkhah, F.M., Mohammadi, H.R.S., Shahverdi, A., https://isid.research.ac.ir/Abdolhossein_Shahverdi#:~:text=Title%3A-Efficient%20and%20robust%20segmentation%20and%20tracking%20of%20sperm%20cells%20in%20microscopic%20image%20sequences,-%DB%B1%DB%B1,IET Computer Vision, 2019 8 1

Sharafi, M., Zhandi, M., Shakeri, M., Shahverdi, A., Hadi Hussaini, S.M., Pre-conditioning with Xanthine oxidase to improve post thawed quality of bull sperm, *Cryobiology*, 2019 8 1

Sharafi, M., Zhandi, M., Shakeri, M., Shahverdi, A., Hadi Hussaini, S.M., Pre-conditioning with Xanthine oxidase to improve post thawed quality of bull sperm, *Cryobiology*, 2019 8 1

Molaie, S., Shahverdi, A., Sharafi, M., (...), Numan Bucak, M., Alizadeh, A., Dietary trans and 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

Molaie, S., Shahverdi, A., Sharafi, M., (...), Numan Bucak, M., Alizadeh, A., Dietary trans and 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

Hezavehei, M., Kouchesfahani, H.M., Shahverdi, A., (...), Salekdeh, G.H., Eftekhari, & Yazdi, P., Preconditioning of sperm with sublethal nitrosative stress: a novel approach to improve (frozen-thawed sperm function, *Reproductive BioMedicine Online*, 2019 3 1

Hezavehei, M., Kouchesfahani, H.M., Shahverdi, A., (...), Salekdeh, G.H., Eftekhari, & Yazdi, P., Preconditioning of sperm with sublethal nitrosative stress: a novel approach to improve (frozen-thawed sperm function, *Reproductive BioMedicine Online*, 2019 3 1

Abbasihormozi, S., Babapour, V., Kouhkan, A., (...), Zolfaghary, Z., Shahverdi, A., Stress hormone and oxidative stress biomarkers link obesity and diabetes with reduced fertility potential, *Cell Journal*, 2019 12 1

Moraveji, S., & F., Esfandiari, F., Taleahmad, S., (...), Shahverdi, A., Baharvand, H., Suppression of transforming growth factor-beta signaling enhances spermatogonial proliferation and spermatogenesis recovery following chemotherapy, *Human Reproduction*, 2019 12 1

Haghighat, S., Tavalaei, M., Zakeri, Z., (...), Shahverdi, A., Nasr Esfahani, M.H., Reduction of truncated Kit Expression in Men with Abnormal Semen Parameters, Globozoospermia and History of Low or Fertilization Failure, *Cell Journal*, 2019 12 1

Mousavi, M.S., Shahverdi, A., Drevet, J., (...), Rahimizadeh, P., Alizadeh, A., Peroxisome Proliferator-Activated Receptors (PPARs) levels in spermatozoa of normozoospermic and asthenozoospermic men, *Systems Biology in Reproductive Medicine*, 2019 11 2

Moraveji, S., & F., Esfandiari, F., Sharbatoghli, M., (...), Shahverdi, A., Baharvand, H., Optimizing methods for human testicular tissue cryopreservation and spermatogonial stem cell isolation, *Journal of Cellular Biochemistry*, 2019 1 1

Hezavehei, M., Kouchesfahani, H.M., Shahverdi, A., (...), Salekdeh, G.H., Eftekhari, & Yazdi, P., Induction of sublethal oxidative stress on human sperm before cryopreservation: A time-dependent response in post-thawed sperm parameters, *Cell Journal*, 2019

Torkashvand, H., Fathi, R., Shahverdi, A., (...), Mozdziak, P.E., Eimani, H., The in vitro effect of .85
.chick embryo extract on mice pre-antral follicles, *Veterinary Research Forum*, 2019

Torkashvand, H., Fathi, R., Shahverdi, A., (...), Mozdziak, P.E., Eimani, H., The in vitro effect of .86
.chick embryo extract on mice pre-antral follicles, *Veterinary Research Forum*, 2019

Hezavehei, M., Sharafi, M., Kouchesfahani, H.M., (...), Esmaili, V., Shahverdi, A., Sperm .87
cryopreservation: A review on current molecular cryobiology and advanced
.approaches, *Reproductive BioMedicine Online*, 2018 9 1

Yakhkeshi, S., Rahimi, S., Sharafi, M., (...), Shahverdi, A., Baharvand, H., In vitro improvement .88
of quail primordial germ cell expansion through activation of TGF-beta signaling pathway, *Journal
.of Cellular Biochemistry*, 2018 6 1

Bazrafkan, M., Nikmehr, B., Shahverdi, A., (...), Beyer, C., Hassanzadeh, G., Lipid peroxidation .89
and its role in the expression of NLRP1a and NLRP3 genes in testicular tissue of male rats: A
.model of spinal cord injury, *Iranian Biomedical Journal*, 2018 5 1

Bazrafkan, M., Nikmehr, B., Shahverdi, A., (...), Beyer, C., Hassanzadeh, G., Lipid peroxidation .90
and its role in the expression of NLRP1a and NLRP3 genes in testicular tissue of male rats: A
.model of spinal cord injury, *Iranian Biomedical Journal*, 2018 5 1

Mostajer Kheirkhah, F., Sadegh Mohammadi, H.R., Shahverdi, A., Modified histogram-based .91
segmentation and adaptive distance tracking of sperm cells image sequences, *Computer
.Methods and Programs in Biomedicine*, 2018 2 1

Mostajer Kheirkhah, F., Sadegh Mohammadi, H.R., Shahverdi, A., Modified histogram-based .92
segmentation and adaptive distance tracking of sperm cells image sequences, *Computer
.Methods and Programs in Biomedicine*, 2018 2 1

Saber, M., Eimani, H., Soleimani Mehranjani, M., (...), Fathi, R., Tavana, S., The effect of .93
Verapamil on ischaemia/reperfusion injury in mouse ovarian tissue transplantation, *Biomedicine
.and Pharmacotherapy*, 2018 12 1

Masoudi, R., Sharafi, M., Zare Shahneh, A., (...), Khodaei, & Motlagh, M., Shahverdi, .94
A., Supplementation of extender with coenzyme Q10 improves the function and fertility potential
(of rooster spermatozoa after cryopreservation, *Animal Reproduction Science*, 2018 11 1

Masoudi, R., Sharafi, M., Zare Shahneh, A., (...), Khodaei, & Motlagh, M., Shahverdi, .95
A., Supplementation of extender with coenzyme Q10 improves the function and fertility potential
(of rooster spermatozoa after cryopreservation, *Animal Reproduction Science*, 2018 11 1

Akbarinejad, V., Fathi, R., Shahverdi, A., (...), Rezagholizadeh, A., Ghaleno, L.R., Activator of .96
Mitochondrial Aldehyde Dehydrogenase (Alda-1) Could Enhance Quality of Equine Cooled Semen
by Ameliorating Loss of Mitochondrial Function Over Time, *Journal of Equine Veterinary
(Science)*, 2018 11 1

Gholami, D., Ghaffari, S.M., Shahverdi, A., (...), Esmaili, V., Hezavehei, M., Proteomic analysis .97
and microtubule dynamicity of human sperm in electromagnetic cryopreservation, *Journal of
.Cellular Biochemistry*, 2018 11 1

Safari Asl, R., Shariatmadari, F., Sharafi, M., Karimi Torshizi, M.A., Shahverdi, A., Dietary fish .98
oil supplemented with vitamin E improves quality indicators of rooster cold-stored semen
(through reducing lipid peroxidation, *Cryobiology*, 2018 10 1

Asl, R.S., Shariatmadari, F., Sharafi, M., (...), Torshizi, K., Shahverdi, A., Improvements in .99
semen quality, sperm fatty acids, and reproductive performance in aged Ross breeder roosters
.fed a diet supplemented with a moderate ratio of n-3: N-6 fatty acids, *Poultry Science*, 2018

Asl, R.S., Shariatmadari, F., Sharafi, M., (...), Torshizi, K., Shahverdi, A., Improvements in .100
semen quality, sperm fatty acids, and reproductive performance in aged Ross breeder roosters
.fed a diet supplemented with a moderate ratio of n-3: N-6 fatty acids, *Poultry Science*, 2018

Naseri, M.H., Madani, H., Tafti, S.H.A., (...), Baharvand, H., Aghdami, N., COMPARE CPM-RMI .101
Trial: Intramyocardial transplantation of autologous bone marrow-derived CD133+ Cells and
MNCs during CABG in patients with recent MI: A Phase II/III, multicenter, placebo-controlled,

.randomized, double-blind clinical trial,Cell Journal,,2018

Nasari, M.H., Madani, H., Tafti, S.H.A., (...), Baharvand, H., Aghdami, N.,Erratum: COMPARE .102
CPM-RMI trial: Intramyocardial transplantation of autologous bone marrow-derived CD133+ cells
and MNCs during CABG in patients with recent MI: A phase II/III, multicenter, placebo-controlled,
.randomized, double-blind clinical trial. (Cel,Cell Journal,2018

Jasemi, V.K., Samadi, F., Eimani, H., (...), Fathi, R., Shahverdi, A.,Follicle development in .103
grafted mouse ovaries after vitrification processes under static magnetic field,Cryo-Letters,2017
.5 1

Tavalaee, M., Parivar, K., Shahverdi, A. , H., Ghaedi, K., Nasr , Esfahani, M.H.,Status of .104
sperm-born oocyte activating factors (PAWP, PLC \square) and sperm chromatin in uncapacitated,
.capacitated and acrosome-reacted conditions,Human Fertility,2017 4 3

Esfandiari, F., Ashtiani, M.K., Sharifi, & Tabar, M., (...), Shahverdi, A., Baharvand, .105
H.,Microparticle-Mediated Delivery of BMP4 for Generation of Meiosis-Competent Germ Cells
.from Embryonic Stem Cells,Macromolecular Bioscience,2017 3 1

Moulavi, F., Hosseini, S.M., Tanhaie , Vash, N., (...), Vosough, A.D., Nasr , Esfahani, .106
M.H.,Interspecies somatic cell nuclear transfer in Asiatic cheetah using nuclei derived from post-
mortem frozen tissue in absence of cryo-protectant and in vitro matured domestic cat
.oocytes,Theriogenology,,2017 3 1

Fattah, A., Sharafi, M., Masoudi, R., (...), Esmaeili, V., Najafi, A.,L-Carnitine in rooster semen .107
cryopreservation: Flow cytometric, biochemical and motion findings for frozen-thawed
.sperm,Cryobiology,,2017 2 1

Fattah, A., Sharafi, M., Masoudi, R., Shahverdi, A., Esmaeili, V.,L-carnitine is a survival factor .108
.for chilled storage of rooster semen for a long time,Cryobiology,,2017 2 1

Fattah, A., Sharafi, M., Masoudi, R., Shahverdi, A., Esmaeili, V.,L-carnitine is a survival factor .109
.for chilled storage of rooster semen for a long time,Cryobiology,,2017 2 1

Nikmehr, B., Bazrafkan, M., Hassanzadeh, G., (...), Mokhtari, T., Abolhassani, F.,The .110
correlation of gene expression of inflammasome indicators and impaired fertility in rat model of
.spinal cord injury: A time course study,Urology Journal,2017 11 1

Abbasihormozi, S., Kouhkan, A., Alizadeh, A.R., (...), Matinibehzad, A., Zolfaghari, .111
Z.,Association of vitamin D status with semen quality and reproductive hormones in Iranian
.subfertile men,Andrology,,2017 1 1

Azizi, H., Skutella, T., Shahverdi, A.,Generation of mouse spermatogonial stem-cell-colonies .112
.in a non-adherent culture,Cell Journal,,2017

Habibi, M., Zamiri, M.J., Akhlaghi, A., (...), Alizadeh, A.R., Jaafarzadeh, M.R.,Effect of dietary .113
fish oil with or without Vitamin E supplementation on fresh and cryopreserved ovine
.sperm,Animal Production Science,2017

Habibi, M., Zamiri, M.J., Akhlaghi, A., (...), Alizadeh, A.R., Jaafarzadeh, M.R.,Effect of dietary .114
fish oil with or without Vitamin E supplementation on fresh and cryopreserved ovine
.sperm,Animal Production Science,2017

Lakpour, M.R., Aghajanpour, S., Koruji, M., (...), Aflatoonian, R., Rajabian ,& Naghandar, .115
M.,Isolation, culture and characterization of human sertoli cells by flow cytometry: Development
.of procedure,Journal of Reproduction and Infertility,,2017

Lakpour, M.R., Koruji, M., Shahverdi, A., (...), Sabbaghian, M., Aflatoonian, R.,The expression .116
.of TLR2 and TLR3 in sertoli cells of azoospermic patients,Cell Journal,,2017

Jasemi, V.S.K., Samadi, F., Eimani, H., (...), Fathi, R., Shahverdi, A.,Comparison of .117
allotransplantation of fresh and vitrified mouse ovaries to the testicular tissue under influence of
.the static magnetic field,Cell Journal,,2017

Masoudi, R., Sharafi, M., Zareh Shahneh, A., (...), Shahverdi, A., Davachi, N.D.,Fertility and .118
flow cytometry study of frozen-thawed sperm in cryopreservation medium supplemented with
.soybean lecithin,Cryobiology,,2016 8 1

- Masoudi, R., Sharafi, M., Zareh Shahneh, A., (...), Shahverdi, A., Davachi, N.D., Fertility and flow cytometry study of frozen-thawed sperm in cryopreservation medium supplemented with soybean lecithin, *Cryobiology*, 2016 8 1 .119
- Tavana, S., Valojerdi, M.R., Azarnia, M., Shahverdi, A., Restoration of ovarian tissue function and estrous cycle in rat after autotransplantation using hyaluronic acid hydrogel scaffold (containing VEGF and bFGF, Growth Factors), 2016 7 3 .120
- The principal forces of oocyte polarity are evolutionary conserved but may not affect the contribution of the first two blastomeres to the blastocyst development in mammals, *PLoS ONE*, 2016 3 1 .121
- Masoudi, R., Sharafi, M., Zareh Shahneh, A., (...), Esmaeili, V., Shahverdi, A., Effect of dietary fish oil supplementation on ram semen freeze ability and fertility using soybean lecithin- and egg yolk-based extenders, *Theriogenology*, 2016 2 20 .122
- Kheirkhah, F.M., Mohammadi, H.R.S., Shahverdi, A., Histogram non-linear transform for sperm cells image detection enhancement, 2016 8th International Conference on Information and Knowledge Technology, IKT 2016, 2016 12 7 .123
- Kheirkhah, F.M., Mohammadi, H.R.S., Shahverdi, A., Histogram non-linear transform for sperm cells image detection enhancement, 2016 8th International Conference on Information and Knowledge Technology, IKT 2016, 2016 12 7 .124
- Hajiaghalou, S., Ebrahimi, B., Shahverdi, A., Sharbatoghli, M., Beigi Boroujeni, N., Comparison of apoptosis pathway following the use of two protocols for vitrification of immature mouse testicular tissue, *Theriogenology*, 2016 11 1 .125
- Abadi, M.K., D., Tavalaei, M., Shahverdi, A., Nasr, M.H., Evaluation of PLC β and PAWP expression in globozoospermic individuals, *Cell Journal*, 2016 .126
- Hosseini, S.M., Dufort, I., Nieminen, J., (...), Nasr, M.H., Sirard, M., A., Epigenetic modification with trichostatin A does not correct specific errors of somatic cell nuclear transfer at the transcriptomic level; highlighting the non-random nature of oocyte-mediated reprogramming errors, *BMC Genomics*, 2016 .127
- Hosseini, S.M., Dufort, I., Nieminen, J., (...), Nasr, M.H., Sirard, M., A., Epigenetic modification with trichostatin A does not correct specific errors of somatic cell nuclear transfer at the transcriptomic level; highlighting the non-random nature of oocyte-mediated reprogramming errors, *BMC Genomics*, 2016 .128
- Abouzaripour, M., Pasbakhsh, P., Atlasi, N., (...), Mahmoudi, R., Kashani, I.R., In vitro differentiation of insulin secreting cells from mouse bone marrow derived stage-specific embryonic antigen 1 positive stem cells, *Cell Journal*, 2016 .129
- Abouzaripour, M., Pasbakhsh, P., Atlasi, N., (...), Mahmoudi, R., Kashani, I.R., In vitro differentiation of insulin secreting cells from mouse bone marrow derived stage-specific embryonic antigen 1 positive stem cells, *Cell Journal*, 2016 .130
- Sharafi, M., Zhandi, M., Shahverdi, A., Shakeri, M., Beneficial effects of nitric oxide induced mild oxidative stress on post-thawed bull semen quality, *International Journal of Fertility and Sterility*, 2015 7 1 .131
- Sharafi, M., Zhandi, M., Shahverdi, A., Shakeri, M., Beneficial effects of nitric oxide induced mild oxidative stress on post-thawed bull semen quality, *International Journal of Fertility and Sterility*, 2015 7 1 .132
- Hosseini, S.M., Hajian, M., Forouzanfar, M., (...), Vosough, A.D., Nasr, M.H., & Esfahani, M.H., Chemically assisted somatic cell nuclear transfer without micromanipulator in the goat: Effects of demecolcine, cytochalasin-B, and MG-132 on the efficiency of a manual method of oocyte enucleation using a pulled Pasteur pipette, *Animal Reproduction Science*, 2015 7 1 .133
- Mohammadi, A., Attari, F., Babapour, V., (...), Shahverdi, A., Baharvand, H., Generation of rat embryonic germ cells via inhibition of TGF β and MEK pathways, *Cell Journal*, 2015 6 1 .134
- Esmaeili, V., Shahverdi, A.H., Moghadasian, M.H., Alizadeh, A.R., Dietary fatty acids affect .135

- . semen quality: A review, *Andrology*, 2015 5 1
- Tahaei, L.S., Eimani, H., Hajmusa, G., (...), Shahverdi, A., Eftekhari, & Yazdi, P., Follicle .136 development of xenotransplanted sheep ovarian tissue into male and female immunodeficient .Rats, *International Journal of Fertility and Sterility*, 2015 10 1
- Shahverdi, A., Sharafi, M., Gourabi, H., (...), Hajnasrollahi, M., Mostafayi, F., Fertility and flow .137 cytometric evaluations of frozen-thawed rooster semen in cryopreservation medium containing .low-density lipoprotein, *Theriogenology*, 2015 1 1
- Mahmoodi, M., Soleimani Mehranjani, M., Shariatzadeh, S.M.A., Eimani, H., Shahverdi, A., N- .138 acetylcysteine improves function and follicular survival in mice ovarian grafts through inhibition .of oxidative stress, *Reproductive BioMedicine Online*, 2015 1 1
- Alizadeh, A., Esmaeili, V., Shahverdi, A., Rashidi, L., Dietary fish oil can change sperm .139 parameters and fatty acid profiles of ram sperm during oil consumption period and after removal .of oil source, *Cell Journal*, 2014 9 1
- Shahverdi, A., Rastegarnia, A., Topraggaleh, T.R., Effect of extender and equilibration time on .140 post thaw motility and chromatin structure of buffalo bull (*Bubalus Bubalis*) spermatozoa, *Cell .Journal*, 2014 9 1
- Matini Behzad, A., Ebrahimi, B., Alizadeh, A.R., (...), Rashki, L., Shahverdi, A.H., Improvement .141 in In Vitro fertilization rate, decrease in reactive oxygen species and spermatozoa death .incidence in rams by dietary fish oil, *Reproduction in Domestic Animals*, 2014 8 1
- Seifali, R., Aboutorabi, R., Shahverdi, A., (...), Mazani, F., Esmaili, V., The relationship of .142 oocyte and sperm membrane binding protein with the success of intrauterine .(insemination, *Journal of Isfahan Medical School*, 2014 7 20
- Seifali, R., Aboutorabi, R., Shahverdi, A., (...), Mazani, F., Esmaili, V., The relationship of .143 oocyte and sperm membrane binding protein with the success of intrauterine .(insemination, *Journal of Isfahan Medical School*, 2014 7 20
- Abtahi, N.S., Eimani, H., Vosough, A., (...), Hayati, N., Nasiri, N., Effect of therapeutic .144 ultrasound on folliculogenesis, angiogenesis and apoptosis after heterotopic mouse ovarian .transplantation, *Ultrasound in Medicine and Biology*, 2014 7 1
- Rastegarnia, A., Shahverdi, A., topraggaleah, T.R., Shafiepour, V., In vitro comparison of .145 soybean lecithin-based extenders for cryopreservation of buffalo (*Bubalus bubalis*) .semen, *Comparative Clinical Pathology*, 2014 7 1
- Mahmoodi, M., Mehranjani, M.S., Shariatzadeh, S.M.A., Eimani, H., Shahverdi, A., Effects of .146 erythropoietin on ischemia, follicular survival, and ovarian function in ovarian .grafts, *Reproduction*, 2014 5 1
- Hosseinpour, E., Shahverdi, A., Parivar, K., (...), Tavalae, M., Chehrazi, M., Sperm .147 ubiquitination and DNA fragmentation in men with occupational exposure and .varicocele, *Andrologia*, 2014 5 1
- Hosseinpour, E., Shahverdi, A., Parivar, K., (...), Tavalae, M., Chehrazi, M., Sperm .148 ubiquitination and DNA fragmentation in men with occupational exposure and .varicocele, *Andrologia*, 2014 5 1
- Mokhber Maleki, E., Eimani, H., Bigdeli, M.R., (...), Golkar Narenji, A., Abedi, R., A comparative .149 study of saffron aqueous extract and its active ingredient, crocin on the in vitro maturation, in vitro fertilization, and in vitro culture of mouse oocytes, *Taiwanese Journal of Obstetrics and .Gynecology*, 53(1):21-25, 2014 3 1
- Esmaeili, V., Shahverdi, A.H., Alizadeh, A.R., Alipour, H., Chehrazi, M., Saturated, omega-6 and .150 omega-3 dietary fatty acid effects on the characteristics of fresh, frozen-thawed semen and .blood parameters in rams, *Andrologia*, 2014 2 1
- Abedi, R., Eimani, H., Pashae Rad, S., (...), Shahverdi, A.H., Mokhber Maleki, E., Evaluation .151 effects of allopurinol and FSH on reduction of ischemia-reperfusion injury and on preservation of follicle after heterotopic auto-transplantation of ovarian tissue in mouse, *Reproductive Medicine*

- .and Biology,2014 1 1
- Abedi, R., Eimani, H., Pashae Rad, S., (...), Shahverdi, A.H., Mokhber Maleki, E., Evaluation .152 effects of allopurinol and FSH on reduction of ischemia-reperfusion injury and on preservation of follicle after heterotopic auto-transplantation of ovarian tissue in mouse, *Reproductive Medicine and Biology*,2014 1 1
- Abbasihormozi, S., Shahverdi, A., Kouhkan, A., (...), Akhlaghi, A.A., Kheimeh, A., Relationship .153 of leptin administration with production of reactive oxygen species, sperm DNA fragmentation, sperm parameters and hormone profile in the adult rat, *Archives of Gynecology and Obstetrics*,2013 6 1
- Abbasihormozi, S., Shahverdi, A., Kouhkan, A., (...), Akhlaghi, A.A., Kheimeh, A., Relationship .154 of leptin administration with production of reactive oxygen species, sperm DNA fragmentation, sperm parameters and hormone profile in the adult rat, *Archives of Gynecology and Obstetrics*,2013 6 1
- Modarresi, T., Sabbaghian, M., Shahverdi, A., (...), Akhlaghi, A.A., Gilani, M.A.S., Enzymatic .155 digestion improves testicular sperm retrieval in non-obstructive azoospermic patients, *International Journal of Reproductive BioMedicine*,2013 6 1
- Modarresi, T., Sabbaghian, M., Shahverdi, A., (...), Akhlaghi, A.A., Gilani, M.A.S., Enzymatic .156 digestion improves testicular sperm retrieval in non-obstructive azoospermic patients, *International Journal of Reproductive BioMedicine*,2013 6 1
- Alipour, H., Sharbatoghli, M., Yazdi, P.E., (...), Mohammadi, A.R., Valojerdi, M.R., Pregnancy in .157 the Caspian Miniature Horse Using Frozen Semen Cryopreserved with the EquiPRO CryoGuard Freeze Medium and Customized Freezing Protocols, *Journal of Equine Veterinary Science*,2013 4 .(1
- Forouzanfar, M., Fekri Ershad, S., Hosseini, S.M., (...), Vosough Dizaji, A., Nasr Esfahani, .158 M.H., Can permeable super oxide dismutase mimetic agents improve the quality of frozen-thawed ram semen?, *Cryobiology*,2013 4 1
- Jafarian, Z., Eimani, H., Azarnia, M., (...), Eftekhari, & Yazdi, P., Kamalinejad, M., The effect of .159 intra-peritoneal administration of Papaver bracteatum Lindl. extract on development of NMRI mice oocytes treated with Doxorubicin, *Reproductive Medicine and Biology*,2013 4 1
- Golkar, Narenji, A., Samadi, F., Eimani, H., (...), Eftekhari, Yazdi, P., Kamalinejad, M., Effects .160 of intraperitoneal administration of Papaver rhoeas L. extract on mouse ovaries, *Animal Cells and Systems*,2013 4 1
- Behbahanian, A., Eimani, H., Zeinali, B., (...), Gourabi, H., Golkar, & Narenji, A., In vitro .161 maturation, fertilization and embryo culture of oocytes obtained from vitrified auto-transplanted (mouse ovary), *International Journal of Fertility and Sterility*,2013 1 1
- Rastegarnia, A., Shahverdi, A., Topraggaleh, T.R., Ebrahimi, B., Shafipour, V., Effect of .162 different thawing rates on post-thaw viability, Kinematic parameters and chromatin structure of buffalo (*Bubalus bubalis*) spermatozoa, *Cell Journal*,2013
- Koruji, M., Shahverdi, A., Janan, A., (...), Lakpour, M.R., Sedighi, M.A.G., Proliferation of small .163 number of human spermatogonial stem cells obtained from azoospermic patients, *Journal of Assisted Reproduction and Genetics*,2012 9 1
- Tavana, S., Eimani, H., Azarnia, M., Shahverdi, A., Eftekhari, & Yazdi, P., Effects of saffron .164 (*Crocus sativus* L.) aqueous extract on in vitro maturation, fertilization and embryo development of mouse oocytes, *Cell Journal*,2012
- Tavana, S., Eimani, H., Azarnia, M., Shahverdi, A., Eftekhari, & Yazdi, P., Effects of saffron .165 (*Crocus sativus* L.) aqueous extract on in vitro maturation, fertilization and embryo development of mouse oocytes, *Cell Journal*,2012
- Karimi, T., Eslaminejad, M.B., Aminlari, M., Shahverdi, A., Bahmanpour, S., Study of .166 telomerase activity, proliferation and differentiation characteristics in umbilical cord blood mesenchymal stem cells, *Iranian Journal of Veterinary Research*,2012

- Karimi, T., Eslaminejad, M.B., Aminlari, M., Shahverdi, A., Bahmanpour, S., Study of telomerase activity, proliferation and differentiation characteristics in umbilical cord blood mesenchymal stem cells, *Iranian Journal of Veterinary Research*, 2012 .167
- Jafari, S., Hosseini, M.S., Hajian, M., (...), Yakub, H., Nasr, & Esfahani, M.H., Improved in vitro development of cloned bovine embryos using S-adenosylhomocysteine, a non-toxic epigenetic modifying reagent, *Molecular Reproduction and Development*, 2011 8 1 .168
- Jafari, S., Hosseini, M.S., Hajian, M., (...), Yakub, H., Nasr, & Esfahani, M.H., Improved in vitro development of cloned bovine embryos using S-adenosylhomocysteine, a non-toxic epigenetic modifying reagent, *Molecular Reproduction and Development*, 2011 8 1 .169
- Pirestani, A., Hosseini, S.M., Hajian, M., (...), Dizaj, A.V.T., Esfahani, M.H.N., Effect of ovarian cyclic status on in vitro embryo production in cattle, *International Journal of Fertility and Sterility*, 2011 1 1 .170
- Mehdikhani Karimabad, H., Shabestari, M., Baharvand, H., (...), Mahmoodi, M., Aghdami, N., Lack of beneficial effects of granulocyte colony-stimulating factor in patients with subacute myocardial infarction undergoing late revascularization: A double-blind, randomized, placebo-controlled clinical trial, *Acta Cardiologica*, 6, 2011 .171
- Koruji, M., Azizi, H., Shahverdi, A., Baharvand, H., Mouse and human spermatogonial stem cells, *Yakhteh*, 2010 6 1 .172
- Koruji, M., Azizi, H., Shahverdi, A., Baharvand, H., Mouse and human spermatogonial stem cells, *Yakhteh*, 2010 6 1 .173
- Shahverdi, A., Movahedin, M., Valojerdi, M.R., Baharvand, H., Evaluation of embryos derived from in vitro fertilized oocytes reconstructed by meiosis-II chromosome transplantation from aged mice to ooplasm of young mice, *International Journal of Fertility and Sterility*, 2010 2 1 .174
- Golkar, Narenji, A., Eimani, H., Samadi, F., (...), Eftekhari, Yazdi, P., Kamalinejad, M., Effect of Papaver rhoeas extract on in vitro maturation and developmental competence of immature mouse oocytes, *Reproductive Medicine and Biology*, 2010 12 1 .175
- Khodadadi, L., Shafieyan, S., Sotoudeh, M., (...), Aghdami, N., Baharvand, H., Intraepidermal injection of dissociated epidermal cell suspension improves vitiligo, 2010 (2010-10-1) / Original Article, 2010 10 1 .176
- Khodadadi, L., Shafieyan, S., Sotoudeh, M., (...), Aghdami, N., Baharvand, H., Intraepidermal injection of dissociated epidermal cell suspension improves vitiligo, 2010 (2010-10-1) / Original Article, 2010 10 1 .177
- Dalman, A., Eftekhari, & Yazdi, P., Valojerdi, M.R., (...), Sadeghian, F., Hasani, F., Synchronizing cell cycle of goat fibroblasts by serum starvation causes apoptosis, *Reproduction in Domestic Animals*, 2010 10 1 .178
- Hosseini, S.M., Fazilati, M., Moulavi, F., (...), Hemami, M.R., Nasr, & Esfahani, M.H., Reproductive potential of domestic *Ovis aries* for preservation of threatened *Ovis orientalis isphahanica*: In vitro and in vivo studies, *European Journal of Wildlife Research*, 2009 6 1 .179
- Dalman, A., Yazdi, P.E., Valojerdi, M.R., (...), Janzamin, E., Sadeghian, F., Effect of serum starvation and full confluence on cell cycle synchronization and apoptosis of goat dermal fibroblast, *Yakhteh*, 2009 6 1 .180
- Imani, H., Siyadat, S.F., Parivar, K., (...), Valojerdi, M.R., Shahverdi, A., Autologous transplantation of intact mouse ovaries in gluteus superficialis muscle, *Yakhteh*, 2009 6 1 .181
- Hatami, M., Mehrjardi, N.Z., Kiani, S., (...), Shahverdi, A., Baharvand, H., Human embryonic stem cell-derived neural precursor transplants in collagen scaffolds promote recovery in injured / rat spinal cord, *Cytherapy*, 2009 .182
- Hosseini, S.M., Moulavi, F., Foruzanfar, M., (...), Shahverdi, A.H., Nasr, & Esfahani, M.H., Effect of donor cell type and gender on the efficiency of in vitro sheep somatic cell cloning, *Small Ruminant Research*, 2008 8 1 .183
- Hosseini, S.M., Moulavi, F., Hajian, M., (...), Shahverdi, A.H., Nasr, & Esfahani, M.H., Highly .184

efficient in vitro production of bovine blastocyst in cell-free sequential synthetic oviductal fluid . / vs. TCM199 vero cell co-culture system,International Journal of Fertility and Sterility,,2008 .185

Hosseini, S.M., Moulavi, F., Hajian, M., (...), Shahverdi, A.H., Nasr ,& Esfahani, M.H.,Highly .185

efficient in vitro production of bovine blastocyst in cell-free sequential synthetic oviductal fluid . / vs. TCM199 vero cell co-culture system,International Journal of Fertility and Sterility,,2008

Eimani, H., Tahaei, L.S., Parivar, K., (...), Eftekhari, P., Baharvand, H.,Effects of retinoic acid .186

.on maturation and development of immature mouse oocytes in vitro,Yakhteh,,2007 3 1

Shahverdi, A., Movahedin, M., Valojerdi, M.R., Ashtiani, S.K.,Comparison of embryo .187

development between intracytoplasmic and Piezo-assisted sperm injection after treating mouse .sperms by Ca²⁺ ionophore,Iranian Biomedical Journal,,2007 10 1

Eimani, H., Mamzaji, S.S., Soleimani, M.M., (...), Shahverdi, A., Guorabi, H.,Survival rate of .188

preantral follicles derived from vitrified neonate mouse ovarian tissue by cryotop and .conventional methods,BioFactors,,2007

Moulavi, F., Hosseini, S.M., Ashtiani, S.K., Shahverdi, A., Nasr ,& Esfahani, M.H.,Can Vero cell .189

co-culture improve in-vitro maturation of bovine oocytes?,Reproductive BioMedicine Online,,2006 .9 1

Eimani, H., Hassani, F., Haerie ,& Rohani, S.A., (...), Yazdi, P.E., Samani, R.O.,Effect of beta- .190

mercaptoethanol with and without BSO (DL-buthionine sulfoximine) on resumption of meiosis, in .(vitro maturation and embryo development of immature mouse oocytes,Yakhteh,,2006 12 1

Eimani, H., Dalman, A., Sepehri, H., (...), Shahverdi, A., Samani, R.O.,Effect of DEHP (di-2- .191

ethyl hexyl-phthalate) on resumption of meiosis and in-vitro maturation of mouse oocytes and .development of resulting embryos,Yakhteh,2005 6 1

Eimani, H., Hasani, F., Haeri Rohani, S.A., (...), Kazemi Ashtiani, S., Shahverdi, A.,Effect of .192

cysteamine on in vitro maturation, resumption of meiosis and embryo development of immature .mouse oocytes,Yakhteh,,2005 3 1

Baharvand, H., Ashtiani, S.K., Valojerdi, M.R., (...), Taei, A., Sabour, D.,Establishment and in .193

vitro differentiation of a new embryonic stem cell line from human .blastocyst,Differentiation,,2004 6 1

Jazayeri, M., Alizadeh, A., Gilani, M.A.S., (...), Sharafi, M., Shahverdi, A.,Underestimated .194

Aspects in Male Infertility: Epigenetics is A New Approach in Men with Obesity or Diabetes: A .(Review,International Journal of Fertility and Sterility,,(2022 7 1

Jazayeri, M., Alizadeh, A., Gilani, M.A.S., (...), Sharafi, M., Shahverdi, A.,Underestimated .195

Aspects in Male Infertility: Epigenetics is A New Approach in Men with Obesity or Diabetes: A .(Review,International Journal of Fertility and Sterility,,(2022 7 1

Jazayeri, M., Eftekhari ,& Yazdi, P., Sadighi Gilani, M.A., Sharafi, M., Shahverdi, A.,Epigenetic .196

modifications at DMRs of imprinting genes in sperm of type 2 diabetic men,Zygote (Cambridge, .(England),(2022 10 1

Ziarati, N., Topraggaleh, T.R., Rahimizadeh, P., (...), Sadighi Gilani, M.A., Shahverdi, A.,Micro- .197

quantity straw as a carrier for cryopreservation of oligozoospermic semen samples: Effects of .(storage times and cryoprotectant,Cryobiology,(2019 2 1

Ziarati, N., Topraggaleh, T.R., Rahimizadeh, P., (...), Sadighi Gilani, M.A., Shahverdi, A.,Micro- .198

quantity straw as a carrier for cryopreservation of oligozoospermic semen samples: Effects of .(storage times and cryoprotectant,Cryobiology,(2019 2 1

Baziar, M., Sharafi, M., Shahverdi, A.,Changes in seminal parameters and hormonal profile .199

with use of aromatase inhibitor in management of aging broiler breeder roosters,Poultry .Science,(2019 11 1

Zand , vakili, M., Eimani, H., Golkar , Narenji, A., (...), Shahverdi, A., Mozdziak, .200

P.E.,Histological evaluation of the effect of VEGF on auto-transplanted mouse ovaries,Animal .(Cells and Systems,(2016 9 2

Pazoki, H., Eimani, H., Farokhi, F., Shahverdi, A. ,& H., Tahaei, L.S.,The effects of platelet .201

lysate on maturation, fertilization and embryo development of NMRI mouse oocytes at germinal vesicle stage, *Reproductive Medicine and Biology*, (2016 8 8

Tavana, S., Azarnia, M., Valojerdi, M.R., Shahverdi, A., Hyaluronic acid-based hydrogel scaffold without angiogenic growth factors enhances ovarian tissue function after autotransplantation in rats, *Biomedical Materials (Bristol)*, (2016 10 6

Hosseini, S.M., Hajian, M., Ostadhosseini, S., (...), Ghanaie, H.R., Nasr, & Esfahani, M.H., Contrasting effects of G1.2/G2.2 and SOF1/SOF2 embryo culture media on pre- and post-implantation development of non-transgenic and transgenic cloned goat embryos, *Reproductive BioMedicine Online*, (2015 9 1

Topraggaleh, T.R., Shahverdi, A., Rastegarnia, A., (...), Esmaili, V., Janzamin, E., Effect of cysteine and glutamine added to extender on post-thaw sperm functional parameters of buffalo bull, *Andrologia*, (2014 9 1

Attari, F., Sepehri, H., Ansari, H., (...), Shahverdi, A., Baharvand, H., Efficient induction of pluripotency in primordial germ cells by dual inhibition of TGF-beta and ERK signaling pathways, *Stem Cells and Development*, (2014 5 15

Shakeri, M., Kohram, H., Shahverdi, A., (...), Koruji, M., Baharvand, H., Behavior of mouse spermatogonial stem-like cells on an electrospun nanofibrillar matrix, *Journal of Assisted Reproduction and Genetics*, (2013 3 1

Amiri Yekta, A., Dalman, A., Eftekhari, & Yazdi, P., (...), Rezazadeh Valojerdi, M., Gourabi, H., Production of transgenic goats expressing human coagulation factor IX in the mammary glands after nuclear transfer using transfected fetal fibroblast cells, *Transgenic Research*, (2013 2 1

Vosoughi, S., Khavanin, A., Salehnia, M., (...), Shahverdi, A., Esmaili, V., Adverse effects of formaldehyde vapor on mouse sperm parameters and testicular tissue, *International Journal of Fertility and Sterility*, (2013 1 1

Tavakolifar, F., Shahverdi, A., Pirouz, M., (...), Koruji, M., Baharvand, H., Comparison of neonatal and adult mice-derived Sertoli cells in support of expansion of mouse spermatogonial stem cells in vitro, *International Journal of Fertility and Sterility*, (2012 3 1

Esmaili, V., Shahverdi, A., Alizadeh, A.R., (...), Towhidi, A., Zarrabi, M., Fatty acid profiles of ram's sperm after removing some fatty acid sources from the diets and persistency of fatty acids in sperm, *International Journal of Fertility and Sterility*, (2012 3 1

Hajian, M., Hosseini, S.M., Forouzanfar, M., (...), Amiri, Yekta, A., Nasr, Esfahani, M.H., Conservation cloning of vulnerable Esfahan mouflon (*Ovis orientalis isphahanica*): In vitro and in vivo studies, *European Journal of Wildlife Research*, (2011 8 1

Hosseini, S.O., Aghaee, F., Hosseini, S.M., (...), Vosough Taghi Dizaj, A., Nasr, & Esfahani, M.H., Effect of culture condition and cell-permeable superoxide dismutase on levels of reactive oxygen species (ROS) production in in vitro produced sheep embryos, *Small Ruminant Research*, (2011 5 1

Nasr, & Esfahani, M.H., Hosseini, S.M., Hajian, M., (...), Vosough, A.D., Vojgani, H., Development of an optimized zona-free method of somatic cell nuclear transfer in the goat, *Cellular Reprogramming*, (2011 4 1

Jafarpour, F., Hosseini, S.M., Hajian, M., (...), Vosough, A.D.T., Nasr, & Esfahani, M.H., Somatic cell-induced hyperacetylation, but not hypomethylation, positively and reversibly affects the efficiency of in vitro cloned blastocyst production in cattle, *Cellular Reprogramming*, (2011 12 1

Eimani, H., Behbahanian, A., Zeinali, B., (...), Gourabi, H., Golkar, & Narenji, A., Heterotopic autotransplantation of vitrified mouse ovary, *Heterotopic autotransplantation of vitrified mouse ovary*, (2011 12 1

Jafari, S., Hosseini, S.M., Hajian, M., (...), Yaakub, H., Nasr, & Esfahani, M.H., Epigenetic modification does not determine the time of POU5F1 transcription activation in cloned bovine

- .(embryos,Journal of Assisted Reproduction and Genetics,,(2011 11 1
Nasrabadi, D., Larijani, M.R., Pirhaji, L., (...), Baharvand, H., Salekdeh, G.H.,Proteomic .217
analysis of monkey embryonic stem cell During differentiation,Journal of Proteome
(Research,(2009 3 6
Eimani, H., Siadat, S.F., Eftekhari ,& Yazdi, P., (...), Valojerdi, M.R., Shahverdi, A.,Comparative .218
study between intact and non-intact intramuscular auto-grafted mouse ovaries,Reproductive
(BioMedicine Online,(2009 1 1
Eimani, H., Siadat, S.F., Eftekhari ,& Yazdi, P., (...), Valojerdi, M.R., Shahverdi, A.,Comparative .219
study between intact and non-intact intramuscular auto-grafted mouse ovaries,Reproductive
(BioMedicine Online,(2009 1 1
Nasr ,& Esfahani, M.H., Moulavi, F., Hosseini, S.M., Hajian, M., Shahverdi, A.,The effect of .220
vero cells co-culture on in vitro maturation of bovine immature oocytes and further embryo
(development,Yakhteh,,(2008 12 1
Hosseini, S.M., Hajian, M., Moulavi, F., Shahverdi, A.H., Nasr ,& Esfahani, M.H.,Optimized .221
combined electrical-chemical parthenogenetic activation for in vitro matured bovine
(oocytes,Animal Reproduction Science,(2008 10 1
Ahmadi, H., Baharvand, H., Ashtiani, S.K., (...), Shahverdi, A., Dizaji, A.V.,Safety analysis and .222
improved cardiac function following local autologous transplantation of CD133+ enriched bone
(marrow cells after myocardial infarction,Current Neurovascular Research,,(2007 8 1
Ahmadi, H., Baharvand, H., Ashtiani, S.K., (...), Shahverdi, A., Dizaji, A.V.,Safety analysis and .223
improved cardiac function following local autologous transplantation of CD133+ enriched bone
(marrow cells after myocardial infarction,Current Neurovascular Research,,(2007 8 1

کتاب‌ها

-
۱. بیولوژی اسپرم (ارزیابی ها و روش های آزمایشگاهی)
 ۲. بیولوژی اسپرم (ارزیابی ها و روش های آزمایشگاهی)
 ۳. تشخیص و درمان ناباروری در مردان
 ۴. آموزش در پژوهشگاه رویان