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Personal Information

- First Name: Faranak
- Last Name: Aghaz
- Date of Birth: 20/May/1990
- Nationality: Iranian
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- i10-Index= 19

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Personal link:

- Google Scholar link:
https://scholar.google.com/citations?hl=en&user=oHukh9wAAAAJ&view_op=list_works&sortby=title
- سامانه علم سنجی لینک:
https://isid.research.ac.ir/Faranak_Aghaz
- Scopus link:
<https://www.scopus.com/authid/detail.uri?authorId=56928259600>
- Orcid ID link:
<https://orcid.org/0000-0002-7311-4071>
- SemiScholar link:
<https://www.semanticscholar.org/author/Faranak-Aghaz/150995208>

Education

2012	B.Sc.	Animal Sciences	Faculty of Science, Razi , University, Kermanshah, Iran.
2015	M.Sc.	Reproduction physiology	Razi, University, Kermanshah, Iran.
2020	Ph.D.	Bio Medical Science	Kermanshah University of Medical Sciences, Kermanshah, Iran

Professional Societies

2015-present	Iranian Scientific Society of Embryology and Reproductive Biology	Member
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Grant International Review Activities

2019-present	Reviewer	<u>International Journal of Fertility and Sterility</u>	Q4 IF=1.7
2022-present	Reviewer	<u>International Journal of Biological Macromolecules</u>	Q1 IF=8.2
2023-present	Reviewer	<u>Helyion</u>	Q1 IF=3.4
2022-present	Reviewer	<u>Scientific Report</u>	Q1 IF=4.1
2023-present	Reviewer	<u>Chemistry Select</u>	Q3 IF=1.9

Editorial Activities

Editor member in Women's Health Science Journal

Foreign language degree

MHLE

Passage 2 (Upper-Intermediate)

Report on Local Teaching and Training

The teaching of Students in Courses

2013-15	Supplementary Physiology	Practical unit, Razi University
2013-15	Reproductive physiology	Practical unit, Razi University
2014-15	Research Methodology	Razi University
2016-20	Collaboration in conducting research projects	Kermanshah University of Medical sciences
2022-present	Nanotechnology in food science	Kermanshah University of Medical Sciences-pharmacy factory
2022-present	Internship in industry	Kermanshah University of Medical Sciences-pharmacy factory
2022-present	Presentation of 20 workshop	Kermanshah University of Medical Sciences-pharmacy factory

Report of received Grand and Fund for Projects

Institutions	ID	Projects
NIMAD	4000024	The effect of HSA and BSA-based biological nano-particles loaded Melatonin on reproductive parameters and oxidative stress-mechanismic pathways of human sperms cryopreservation
NIMAD	976960	Cryo-Protective Effect of Co-Encapsulated Melatonin and Resveratrol on In Vitro Development of Vitrified-Warmed Mouse Germinal Vesicle Oocytes
NIMAD	987697	The anti-proliferative effect of resveratrol nano-capsulated supplements against breast cancer cell lines via the regulation of oxidative stress factors
INSF	9700898	The effect of nano-capsulated Resveratrol, Cysteamine, Melatonin and Tretinoin supplements (alone or combined) on in vitro oocyte maturation, fertilization and embryo culture in Mice
NIMAD	4030262	برای بیماری هانتینگتون: ارزیابی سد خونی- DNazyme بررسی پتانسیل درمانی نانولیپوزوم های (in vivo و in vitro مطالعه در شرایط مغزی)
NIMAD	4021240	اسپریم: یک مرور نظام مند و متاآنالیز DNA و قطعه قطعه شدن COVID-19
NIMAD	4002690	نانوکپسول های مبتنی بر اسید آمینه (ال-آرژنین) برای کپسوله سازی انجماد در انجماد اسپرم و جنین: ساخت، خصوصیات فوق ساختاری و مطالعات آزمایشگاهی
NIMAD	4001544	Physalis یک نانوکپسول ابتکاری که از برهمکنش بین پلی ساکاریدهای کاسه گل میوه و پروتئین کرم ابریشم برای کپسوله کردن ضد انجماد های مورد استفاده در انجماد alkekengi تخمک
NIMAD	4010238	گلائیکه به عنوان یک بیومارکر جدید برای تشخیص دیابت بارداری: یک مرور نظام مند CD59
NIMAD	4010398	بارگذاری شده با رزوراترول بر سیستم (SLNs) ارزیابی اثر کاهش دهنده نانوحامل های لیپید جامد خون ساز ناشی از تشعشع و آسیب روده و پیشگیری از سرطان پس از قرار گرفتن در معرض کل بدن رده MCF-7 در معرض تابش اشعه ایکس در موش ها: سنتز، شناسایی، انتشار دارو، و تعامل با (in vivo و in vitro تکامل) های سلولی سرطانی
NIMAD	4010325	و اثر درمانی آن در NOSH- طراحی و سنتز نانوحامل هدفمند پروتئینی سیرسین حاوی آسپرین سرطان پستان: مطالعه مکانیسم و اثر بر آپاپتوز و التهاب
NIMAD	4010318	کاربرد نوآورانه باکتری های گرم منفی، سودوموناس پوتیدا، برای تحویل داروی شیمی درمانی نانولیپوزوم با استفاده از وینکریستین: سنتز، شناسایی، آزادسازی دارو، و تعامل با رده های سلولی (in vivo و in vitro تکامل) (پروستات) PC-3 (سینه) و Zr75-1، MCF-7 سرطانی
NIMAD	4002374	بررسی خاصیت آنتی اکسیدانی و کرایوپروتکتنت عصاره الکی استخراج شده از گیاه لوندر بر پارامترهای تولیدمثلی، میزان (SLN) نانوکپسوله شده به صورت لیپید هسته ای (Lavender) و مسیر های مکانیسمی استرس ROS سطح داخل و خارج سلولی DNA قطعه قطعه شدن، اکسیداتیو در اسپرم موش سوری
NIMAD	4001629	کاربردهای جدید مومیا، به عنوان یک نانوحامل ابتکاری برای تحویل داروهای شیمی درمانی: سنتز، (in vivo و in vitro تکامل) شناسایی، آزادسازی دارو، و تعامل با رده سلولی سرطان سینه
NIMAD	4000024	لود کننده ملاتونین بر پارامترهای تولید HSA و BSA بررسی اثر نانوذرات بیولوژیکی بر پایه مثلی و مسیر های مکانیسمی استرس اکسیداتیو در انجماد اسپرم انسانی

Patent

2024	۱۴۰۳۵۰۱۴۰۰۰۳۰۰۶۴۵۸	تهیه فرمولاسیون کرم ضدچروک حاوی سلولهای بنیادی گیاه آلوئه ورا
2024	۱۴۰۳۵۰۱۴۰۰۰۳۰۰۴۲۴۱	تهیه فرمولاسیون کافنین سیترات خوراکی برای درمان آپنه تنفسی در نوزادان نارس
2023	۱۴۰۲۵۰۱۴۰۰۰۳۰۰۴۰۵۳	فرمولاسیون نوین کرم ضد آفتاب حاوی پروتئین سربسین

Fanavari Proposal

2024	1403003	تولید قرص اوایست با فرآیند مهندسی معکوس نمونه خارجی
2023	1402002	تولید کافنین سیترات خوراکی با فرآیند مهندسی معکوس نمونه خارجی
2022	4010102	تهیه ژل لاغری برپایه کربوکسی متیل سلولز حاوی لیپوزم لودکننده فلفل چیلی و زنجبیل

Honors and Prizes

2012	First Students award	Ranked one in BSc course in Razi University
2015	First Students award	Ranked one in MSc course in Razi University
2019	Best Year Paper at 2017	International Royan congress 2019
2019	Researcher Students award	Kermanshah University of Medical Sciences
2020	Selected as the country's leading research student in	Among the country's medical sciences universities
2020	Researcher Students award	Kermanshah University of Medical Sciences
2020	First Students award	Ranked one in PhD course in Kermanshah University of Medical Sciences

2024	Front Cover Art in “ACS Medicinal Chemistry Letters”	ACS Medicinal Chemistry Letters
2024	Best researcher Award	NSI award (https://new-science-inventions.sciencefather.com/digital-health-awards-winners)

Experimental Techniques and Procedures

Some of the experimental techniques and procedures I have experienced and are used in our research projects are shown in the following list.

- 1) *Oocyte, Sperm, Zygote, compact Morula and Blastocyst holding, slow-freezing and Thawing technique in ART clinical and Laboratory,*
- 2) *In vitro oocyte maturation, Vitrification of Oocyte and Sperm, and DNA-fragmentation assay by SCD, COMET, and TUNEL stain*
- 3) *Embryo Transfer to the uterus*
- 4) *In-vitro embryo Production in mice, rats, Domestic animals,*
- 5) *Aceto-orcein –stain for DNA development in gametes*
- 6) *Embryo Viability evaluation (Hoechst 33342-Stain) and cell citation assay*
- 7) *Cell culture*
- 8) *MTT, TUNEL, Nitric oxide assay, FRAP, and*
- 9) *Intra-cellular ROS level assay by 2',7'-dichlorofluorescein diacetate,*
- 10) *Extracellular ROS production assay by Chemiluminescence analyzer*
- 11) *Histology stain and Tissue analysis*
- 12) *Analysis of gene expression, including RNA and DNA preparation, 2D-electrophoresis, and for -PCR*
- 13) *Preparation all type of nanoparticles and nanocapsule and their synthesis analysis by DLS, FTIR, UV-vis Spectrophotometry, and*
- 14) *Preparation of protein-based and bacterial based nanocapsule and their synthesis analysis by DLS, FTIR, UV-vis Spectrophotometry, and*

15) *Formulation of customis cream*

16) *Formulation of nano-Drug*

17)

Participate in the Congress

Year	Title	location
2014	The first international conference and the ninth national conference on biotechnology	Tehran
2017	3rd International Reproductive Congress	Tehran
2018	4th International Reproductive Congress	Tehran
2018	19th Congress on Reproductive Biomedicine & 14th Congress on Stem Cell Biology and Technology	Tehran
2019	8th International Reproductive Congress	Yazd
2019	20th International Reproductive biomedicine Congress& 15th Congress on Stem Cell Biology and Technology	Tehran
2020	20th Annual Research Congress of Medical Students	Kermanshah University of Medical Sciences
2024	International pharmasiutic congress	Kermanshah University of Medical Sciences

Published Book

- 1) Book: Laboratory Basic Techniques in Biology Sciences, Aghaz E, Vaisi-Raygani A, Khazaei M, Rahimi Z
- 2) Collaboration in writing Chapter 5 of the Latin Book titled "5. Nanoformulated herbal bioactives in neurodegenerative diseases" Soraya Sajadi majd, Aghaz E, Farzaei MH
- 3) Book: Biochemistry in pregnancy 2024 (Published)
- 4) Book chapter: Green Synthesized Nanofillers for Smart Polymer Composites: Synthesis, Properties and Applications (accepted)

Published Articles (until 2025, I can published 60 ISI papers)

TITLE

Carboxy Methyl Cellulose-based Gel Containing Nanoliposomes Loaded with Chilli Pepper and Ginger Extracts as a Novel Topical Anti-obesity Formulation

SN Zarneshan, S Jallilian, H Alvandi, E Arkan, F Aghaz

0.123

Q4	
SJR Q4; 0.123	
ABS NA	NA
ABDC NA	NA

Nano LIFE

Nano LIFE 15 (04), 2450024

One-pot hydrothermal synthesize and characterization of Au/Gd bimetallic nanostructure as potential contrast agents in CT and MR imaging

R Ahmadyani, H Ahmadyani, M Moradi, S Moradi, M Shahlaei, SS Zahabi, ...

Plasma Glycated CD59 and Gestational Diabetes Mellitus: A Systematic Review

Z Asadi, R Safari-Faramani, F Aghaz, A Vaisi-Raygani, S Jalilian

1.285

Q1	
SJR Q1; 1.285	
ABS NA	NA
ABDC NA	NA

Endocrinology, diabetes & metabolism 7 (6), e

Endocrinology, diabetes & metabolism 7 (6), e70013

pH-responsive magnetic CuFe₂O₄-PMAA nanogel conjugated with amino-modified lignin for controlled breast cancer drug delivery

N Fattahi, F Aghaz, A Rezaei, A Ramazani, A Heydari, S Hosseinienezhad, ...

0.9

Q1	
SJR Q1; 0.9	
	NA

TITLE

CT

ABS NA

NA

ABDC NA

Scientific Reports

Scientific Reports 14 (1), 25987

[Novel Pseudomonas putida-derived nanoliposomes enhance the inhibition of MCF-7 breast cancer cells by superb intracellular uptake of doxorubicin](#)

Z Asadi, E Arkan, G Nowroozi, F Aghaz

0.617

Q1

SJR Q1; 0.617

NA

ABS NA

NA

ABDC NA

Heliyon

Heliyon 10 (19)

[A comparative study of sericin and gluten for magnetic nanoparticle-mediated drug delivery to breast cancer cell lines](#)

S Jalilian, K Bahremand, E Arkan, M Jaymand, F Aghaz

0.9

Q1

SJR Q1; 0.9

NA

ABS NA

NA

ABDC NA

Scientific Reports

Scientific Reports 14 (1), 18150

[Synthesis and Characterization of Indole-3-Butyric Acid-Loaded Hollow Mesoporous Silica Nanoparticles: Effects on Plant Rooting Induction](#)

M Ghorbani, D Kahrizi, E Arkan, F Aghaz, A Zebarjadi, S Ghorbani

0.942

Q1

SJR Q1; 0.942

NA

ABS NA

TITLE

CT

ABDC NA	NA
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Journal of Plant Growth Regulation

Journal of Plant Growth Regulation, 1-11

[Multi-stimuli-responsive starch/MnO₂ microparticles hydrogel for synergistic chemoradiotherapy of breast cancer](#)

M Dolati, F Aghaz, A Haghparast, M Jaymand, E Arkan

0.524

SJR Q2; 0.524	Q2
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ABS NA	NA
ABDC NA	NA

International Journal of Polymeric Materials and Polymeric Biomaterials

International Journal of Polymeric Materials and Polymeric Biomaterials 73 ...

[Synergistic chemoradiotherapy of cervical cancer cells using a pH-and radiation-sensitive doxorubicin-loaded \$\beta\$ -cyclodextrin-based nanocomposite hydrogel containing MnO₂ ...](#)

K Veisi, F Aghaz, Z Izadi, S Shirzadikia, M Jaymand, T Almasi

0.944

SJR Q1; 0.944	Q1
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ABS NA	NA
ABDC NA	NA

Carbohydrate Polymer Technologies and Applications

Carbohydrate Polymer Technologies and Applications 7, 100434

[How Shilajit-Based Nanocarriers Alter Classical Doxorubicin Delivery to Breast Cancer Cells \(MCF-7 and ZR-75-1\)](#)

Z Asadi, S Jalilian, E Arkan, F Aghaz

0.883

SJR Q1; 0.883	Q1
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ABS NA	NA
	NA

TITLE

ABDC NA

ACS Medicinal Chemistry Letters

ACS Medicinal Chemistry Letters 15 (4), 449-456

Enhancing Cisplatin Efficacy with Low Toxicity in Solid Breast Cancer Cells Using pH-Charge-Reversal Sericin-Based Nanocarriers: Development, Characterization, and In Vitro ...

K Bahremand, F Aghaz, K Bahrami

0.71

Q2

SJR Q2; 0.71

NA

ABS NA

NA

ABDC NA

ACS omega

ACS omega 9 (12), 14017-14032

The Carboxymethyl cellulose-based slimming gel containing nano-liposomes loaded with chili pepper and ginger extracts: As destroyer jelly of obesity

S Jalilian, E Arkan, H Alvandi, F Aghaz

Preparation of gelatin-coated nanoliposome and application as a resveratrol delivery carrier

T Naseriyeh, H Alvandi, F Aghaz, S Soleimani, Z Mirahmadi, E Arkan

0.527

Q2

SJR Q2; 0.527

NA

ABS NA

NA

ABDC NA

Polymer Bulletin

Polymer Bulletin, 1-15

Re:“Protective Effect of Cerium Oxide Nanoparticles on Human Sperm Function During Cryopreservation,” by Hosseinmardi et al.

Z Asadi, A Vaisi-Raygani, F Aghaz

0.374

Q3

SJR Q3; 0.374

NA

TITLE

ABS NA

NA

ABDC NA

Biopreservation and Biobanking

Biopreservation and Biobanking 22 (1), 88-89

[Herbal nano-ointment containing encapsulated polysaccharide in repairing of superficial ulcers.](#)

S Sajadimajd, F Aghaz, E Arkan, G Bahrami

0.273

Q2

SJR Q2; 0.273

NA

ABS NA

NA

ABDC NA

Nanomedicine Journal

Nanomedicine Journal 11 (1)

[Preparation of biodegradable Electrospun-nanofibers based on wheat gluten containing doxorubicin as a drug delivery system](#)

NG Sadr, A Behjati, F Zare-Mirakabad

NA

Journal Archive 37 (1)

[Composites based on alginate containing formylphosphazene-crosslinked chitosan and its Cu \(II\) complex as an antibiotic-free antibacterial hydrogel dressing with enhanced ...](#)

K Gholivand, M Mohammadpour, H Derakhshankhah, H Samadian, ...

1.245

Q1

SJR Q1; 1.245

NA

ABS NA

NA

ABDC NA

International Journal of Biological Macromolecules

International Journal of Biological Macromolecules 253, 127297

[Association of angiotensin-converting enzyme \(ACE\) I/D variation with biochemical parameters and oxidative stress markers in systemic lupus erythematosus patients in west of Iran](#)

A Kiani, D Elieh-Ali-Komi, F Bahrehmand, S Mostafaei, A Vaisi-Raygani, ...

TITLE

0.649

	Q2
SJR Q2; 0.649	
ABS NA	NA
ABDC NA	NA

Molecular Biology Reports

Molecular Biology Reports 50 (10), 8201-8212

[A sandwich electrospun nanofibers/Tragacanth hydrogel composite containing *Aloe vera* extract and silver sulfadiazine as a wound dressing](#)

H Alvandi, M Jaymand, M Eskandari, F Aghaz, L Hosseinzadeh, ...

0.527

	Q2
SJR Q2; 0.527	
ABS NA	NA
ABDC NA	NA

Polymer Bulletin

Polymer Bulletin 80 (10), 11235-11248

[Effects of adding antioxidant nanoparticles on sperm parameters of non-human species after the freezing and thawing process: a systematic review and meta-analysis](#)

Z Asadi, R Safari-Faramani, F Aghaz

0.593

	Q1
SJR Q1; 0.593	
ABS NA	NA
ABDC NA	NA

Animal Reproduction Science

Animal Reproduction Science, 107323

[Codelivery of resveratrol melatonin utilizing pH responsive sericin based nanocarriers inhibits the proliferation of breast cancer cell line at the different pH](#)

F Aghaz, Z Asadi, S Sajadimajd, K Kashfi, E Arkan, Z Rahimi

TITLE

0.9

Q1
SJR Q1; 0.9
NA
ABS NA
NA
ABDC NA

Scientific Reports

Scientific Reports 13 (1), 11090

[The anti-cancer effect of resveratrol nano-encapsulated supplements against breast cancer via the regulation of oxidative stress](#)

S Sajadimajd, F Aghaz, M Khazaei, AV Raygani

0.511

Q2
SJR Q2; 0.511
NA
ABS NA
NA
ABDC NA

Journal of Microencapsulation

Journal of Microencapsulation 40 (5), 318-329

[Glycyrrhizic acid delivery system Chitosan-coated liposome as an adhesive anti-inflammation](#)

T Naseriyeh, D Kahrizi, H Alvandi, F Aghaz, G Nowroozi, A Shamsi, ...

0.282

Q4
SJR Q4; 0.282
NA
ABS NA
NA
ABDC NA

Cellular and Molecular Biology

Cellular and Molecular Biology 69 (4), 1-6

[Preparation of biodegradable Electrospun-nanofibers based on wheat gluten containing doxorubicin as a drug delivery system](#)

الهام ارکان, فرانک آغاز

NA

TITLE

پژوهش‌های سلولی و مولکولی (مجله زیست‌شناسی ایران)

Cytotoxicity and rapid uptake of antioxidants loaded onto solid lipid nanocarriers in MCF-7 and SK-Br-3 breast cancer cells.
F Aghaz, S Sajadimajd, S Jalillian, H Vaisiraygani, M Khazaei, A Raygani

0.273

Q2	
SJR Q2; 0.273	
ABS NA	NA
ABDC NA	NA

Nanomedicine Journal

Nanomedicine Journal

Investigation on Antimicrobial, Antioxidant, and Anti-cancerous activity of Agaricus bisporus derived β -Glucan particles against cervical cancer cell line

A Bhosale, R Trivedi, TK Upadhyay, D Gurjar, F Aghaz, F Khan, P Pandey, ...

0.282

Q4	
SJR Q4; 0.282	
ABS NA	NA
ABDC NA	NA

Cellular and Molecular Biology

Cellular and Molecular Biology 68 (9), 150-159

Beneficial effect of L-Proline supplementation on the quality of human spermatozoa

M Moradi, B Moradi, AH Hashemian, M Bakhtiari, M Khazaei, F Esmaili, ...

0.588

Q2	
SJR Q2; 0.588	
ABS NA	NA
ABDC NA	NA

Andrologia 54 (8), e

Andrologia 54 (8), e14486

TITLE

L-proline as a novel additive to cryopreservation media improved post-thaw quality of human spermatozoon via reducing oxidative stress

B Moradi, A Faramarzi, S Ghasemi-Esmailabad, F Aghaz, AH Hashemian, ...

0.588

Q2	
SJR Q2; 0.588	
ABS NA	NA
ABDC NA	NA

Andrologia 54 (1), e

Andrologia 54 (1), e14301

Comment on “Effect of Loaded Glycyrrhizic Acid on PLGA Nano-particle on Treatment of Allergic Asthma”

Z Asadi, A Vaisi-Raygani, F Aghaz

0.343

Q4	
SJR Q4; 0.343	
ABS NA	NA
ABDC NA	NA

Iranian Journal of Allergy, Asthma and Immunology

Iranian Journal of Allergy, Asthma and Immunology

Nanoformulated herbal bioactives for the treatment of neurodegenerative disorders

S Sajadimajd, SZ Moradi, V Akbari, F Aghaz, MH Farzaei

NA

Herbal bioactive-based drug delivery systems, 371-391

Enhanced in vitro cytotoxicity and intracellular uptake of Genipin via loaded on Nano-Liposomes made from Soybean lecithin in MCF-7 cells.

T Naseriyeh, T Noori, H Alvandi, H Zhaleh, L Behbood, A Shamsi, ...

0.273

Q2	
SJR Q2; 0.273	
ABS NA	NA
	NA

TITLE

CT

ABDC NA

Nanomedicine Journal

Nanomedicine Journal 9 (1)

Enhanced synergistic-antioxidant activity of melatonin and tretinoin by co-encapsulation into amphiphilic chitosan nanocarriers: During mice in vitro matured oocyte/morula ...

F Aghaz, A Vaisi-Raygani, M Khazaei, E Arkan, S Kashanian

0.836

Q1

SJR Q1; 0.836

NA

ABS NA

NA

ABDC NA

Reproductive sciences

Reproductive sciences 28, 3361-3379

A Novel Biocompatible and Biodegradable Electrospun Nanofibers Containing *M. Neglectum*: Antifungal Properties and *In Vitro* Investigation

H Zarafshan, M Mojarab, MM Zangeneh, P Moradipour, F Bagheri, ...

0.659

Q2

SJR Q2; 0.659

NA

ABS NA

NA

ABDC NA

IEEE Transactions on NanoBioscience

IEEE Transactions on NanoBioscience 21 (4), 520-528

Co-encapsulation of tertinoin and resveratrol by solid lipid nanocarrier (SLN) improves mice in vitro matured oocyte/morula-compact stage embryo development

F Aghaz, A Vaisi-Raygani, M Khazaei, E Arkan, S Sajadimajd, H Mozafari, ...

0.738

Q1

SJR Q1; 0.738

NA

ABS NA

NA

TITLE

CI

ABDC NA

Theriogenology

Theriogenology 171, 1-13

Wound Healing Activities of *Gundelia tournefortii* L Extract and Milk-Cream Ointment on Second-Degree Burns of Rat Skin
S Javanmardi, I Safari, F Aghaz, M Khazaei

0.426

Q2

SJR Q2; 0.426

NA

ABS NA

NA

ABDC NA

The international journal of lower extremity wounds

The international journal of lower extremity wounds 20 (3), 272-281

Cryoprotective Effect of Tretinoin-Loaded Solid Lipid-Core Nanocapsules During Fresh and Freeze/Thaw Media on NMRI Mouse Sperm Parameters, DNA Damage, and Reactive Oxygen ...
F Aghaz, A Vaisi-Raygani, M Khazaei, M Bakhtiari

0.374

Q3

SJR Q3; 0.374

NA

ABS NA

NA

ABDC NA

Biopreservation and biobanking

Biopreservation and biobanking 19 (4), 287-297

Meta-Analysis of the Addition of Exogenous Antioxidants to in vitro Maturation Medium: Improved in vitro Nuclear Maturation of Animal Oocyte
M Khazaei, A Vaisi-Raygani, F Aghaz

0.254

Q3

SJR Q3; 0.254

NA

ABS NA

NA

ABDC NA

Iranian Journal of Applied Animal Science

Iranian Journal of Applied Animal Science 11 (2), 217-227

Enhanced Cryoprotective Effect of Melatonin and Resveratrol by Coencapsulation: Improved *In Vitro* Development of Vitrified-Warmed Mouse Germinal Vesicle ...

F Aghaz, A Vaisi-Raygani, M Khazaei, E Arkan

0.374

Q3	
SJR Q3; 0.374	
ABS NA	NA
ABDC NA	NA

Biopreservation and biobanking

Biopreservation and biobanking 19 (3), 184-193

The Anti-oxidative Effects of Encapsulated Cysteamine During Mice In Vitro Matured Oocyte/Morula-Compact Stage Embryo Culture Model: a Comparison of High-Efficiency ...

F Aghaz, A Vaisi-Raygani, M Khazaei, E Arkan

0.836

Q1	
SJR Q1; 0.836	
ABS NA	NA
ABDC NA	NA

Reproductive Sciences

Reproductive Sciences 28 (5), 1290-1306

Ceratonia siliqua (Carob) extract improved in vitro development of vitrified-warmed mouse germinal vesicle oocytes: assessment of possible mechanism

A Faramarzi, F Aghaz, M Bakhtiari, S Roshankhah, Z Rashidi, M Khazaei

0.343

Q3	
SJR Q3; 0.343	
ABS NA	NA
ABDC NA	NA

TITLE

CT

Cell and tissue banking

Cell and tissue banking 22 (1), 137-144

[Cryoprotective effect of sericin supplementation in freezing and thawing media on the outcome of cryopreservation in human sperm](#)

F Aghaz, M Khazaei, A Vaisi-Raygani, M Bakhtiyari

0.744

Q2	
SJR Q2; 0.744	
ABS NA	NA
ABDC NA	NA

The Aging Male

The Aging Male

[Activities and polymorphisms of MMP-2 and MMP-9, smoking, diabetes and risk of prostate cancer](#)

A Kiani, M Kamankesh, A Vaisi-Raygani, MR Moradi, M Tanhapour, ...

0.649

Q2	
SJR Q2; 0.649	
ABS NA	NA
ABDC NA	NA

Molecular biology reports

Molecular biology reports 47, 9373-9383

[The effect of air dust pollution on semen quality and sperm parameters among infertile men in west of Iran](#)

A Najafpour, F Aghaz, S Roshankhah, M Bakhtiari

0.744

Q2	
SJR Q2; 0.744	
ABS NA	NA
ABDC NA	NA

The Aging Male

TITLE

The Aging Male 23 (4), 272-278

Enhancing a Successful Pregnancy and Delivery After ICSI in Advanced-Age Woman with Concurrent Disorders: A Case Report

F Aghaz, Z Mokari, M Bakhtiari

0.393

Q3	
SJR Q3; 0.393	
ABS NA	NA
ABDC NA	NA

Journal of Reproduction & Infertility

Journal of Reproduction & Infertility 21 (2), 146

Anticancer Effect of Cisplatin-Loaded Poly (Butylcyanoacrylate) Nanoparticles on A172 Brain Cancer Cells Line

A Vaisi-Raygani, M Khazaei, M Bakhtiari, E Arkan, F Aghaz

0.446

Q3	
SJR Q3; 0.446	
ABS NA	NA
ABDC NA	NA

Asian Pacific Journal of Cancer Prevention: APJCP

Asian Pacific Journal of Cancer Prevention: APJCP 21 (2), 273

In vitro application of Ceratonia siliqua improved sperm parameters and chromatin quality after vitrification in normozoospermic aged men

A Faramarzi, F Aghaz, M Bakhtiari, M Khazaei

0.417

Q3	
SJR Q3; 0.417	
ABS NA	NA
ABDC NA	NA

Middle East Fertility Society Journal

TITLE

Middle East Fertility Society Journal 24, 1-5

Antioxidant activities of α -lipoic acid free and nano-capsule inhibit the growth of Ehrlich carcinoma

A Vaisi-Raygani, M Khazaei, E Arkan, Z Rahimi, F Aghaz

0.649

Q2	
SJR Q2; 0.649	
ABS NA	NA
ABDC NA	NA

Molecular biology reports

Molecular biology reports 46, 6685-6686

The contingent prenatal screening test for Down's syndrome and neural tube defects in west of Iran

F Aghaz, SZ Ojagh, S Khanjari, A Vaisi-Raygani, M Khazaei, M Bakhtiari

0.393

Q3	
SJR Q3; 0.393	
ABS NA	NA
ABDC NA	NA

Journal of Reproduction & Infertility

Journal of Reproduction & Infertility 20 (4), 244

Does supplementation of sperm freezing/thawing media with *Ceratonia siliqua* improve detrimental effect of cryopreservation on sperm parameters and chromatin ...

A Faramarzi, F Aghaz, M Golestan Jahromi, M Bakhtiari, M Khazaei

0.343

Q3	
SJR Q3; 0.343	
ABS NA	NA
ABDC NA	NA

Cell and Tissue Banking

Cell and Tissue Banking 20 (3), 403-409

TITLE

Recent advances of the egg's freezing: An overview

F Aghaz, M Khazaei

0.146

Q4	
SJR Q4; 0.146	
ABS NA	NA
ABDC NA	NA

Journal of Mazandaran University of Medical Sciences

Journal of Mazandaran University of Medical Sciences 28 (164), 192-213

Reactive oxygen species generation and use of antioxidants during in vitro maturation of oocytes

M Khazaei, F Aghaz

0.526

Q2	
SJR Q2; 0.526	
ABS NA	NA
ABDC NA	NA

International journal of fertility & sterility

International journal of fertility & sterility 11 (2), 63

Reactive oxygen species generation and use of antioxidants during in vitro maturation of oocytes: a Review

F Aghaz, M Khazaei

0.526

Q2	
SJR Q2; 0.526	
ABS NA	NA
ABDC NA	NA

International Journal of Fertility and Sterility

International Journal of Fertility and Sterility 11 (2), 63-70

Replacement of serum with sericin in in vitro maturation and culture media: Effects on embryonic developmental competence of Sanjabi sheep embryo during breeding season

H Hajarian, F Aghaz, HK Shabankareh

TITLE

0.738

Q1	
SJR Q1; 0.738	
ABS NA	NA
ABDC NA	NA

Theriogenology

Theriogenology 92, 144-148

[Reactive Oxygen Species generation and use of antioxidants during](#)
M Khazaei, F Aghaz

NA

Vitro

[Enhanced in vitro developmental competence of sheep embryos following sericin supplementation of the in vitro maturation and in vitro culture media](#)
F Aghaz, H Hajarian, HK Shabankareh

0.494

Q2	
SJR Q2; 0.494	
ABS NA	NA
ABDC NA	NA

Small Ruminant Research

Small Ruminant Research 136, 257-260

[In vitro culture medium \(IVC\) supplementation with sericin improves developmental competence of ovine zygotes](#)
F Aghaz, H Hajarian, H KaramiShabankareh

0.57

Q1	
SJR Q1; 0.57	
ABS NA	NA
ABDC NA	NA

Reproductive Biology

TITLE

Reproductive Biology 16 (1), 87-90

Effect of sericin supplementation in maturation medium on cumulus cell expansion, oocyte nuclear maturation, and subsequent embryo development in Sanjabi ewes during the ...

F Aghaz, H Hajarian, HK Shabankareh, A Abdolmohammadi

0.738

Q1	
SJR Q1; 0.738	
ABS NA	NA
ABDC NA	NA

Theriogenology

Theriogenology 84 (9), 1631-1635

Preparation of Tragopogon graminifolius-loaded electrospun nanofibers and evaluating its wound healing activity in a rat model of skin scar

L Almasi, E Arkan, MH Farzaei, A Iranpanah, C Jalili, F Abbaszadeh, ...

1.066

Q1	
SJR Q1; 1.066	
ABS NA	NA
ABDC NA	NA

Frontiers in Pharmacology

Frontiers in Pharmacology 16, 1533010

Synergistic Chemoradiotherapy of Cervical Cancer Hela Cells Using a Ph-and Radiation-Sensitive B-Cyclodextrin-Based Nanocomposite Hydrogel Containing Mno2 Nanoparticles

K Veisi, F Aghaz, Z Izadi, S Shirzadikia, M Jaymand, T Almasi

NA

Available at SSRN 4610341

Investigation on Antimicrobial, Antioxidant, and Anti-cancerous activity of Agaricus bisporus derived β -Glucan particles against cervical cancer cell line

Submitted paper

1. Facilitating DNzyme Transport Across the Blood-Brain Barrier with Nanoliposome Technology” to Pharmaceuticals for publication
2. Synergistic MnO₂@CeO₂ Nanocatalysts for Enhanced Targeted Cancer Therapy: Harnessing Sericin to Optimize Drug Delivery and Therapeutic Efficacy
3. Development of Morphine-Loaded Polymer Nanoparticle Oral Films and Their Ex-Vivo Impact on Fibroblast Cells
4. Do Linalool-loaded Solid Lipid Nanoparticles improve the quality of NMRI mouse sperm during freezing/thawing and handling processes
5.