

# Curriculum Vitae

**Nader Tanideh**, VMD, MPH, PHD Professor of Veterinary Surgery

*Head of Comparative and Experimental Medicine Center*

*Principal Investigator of Stem Cells Technology Research Center*

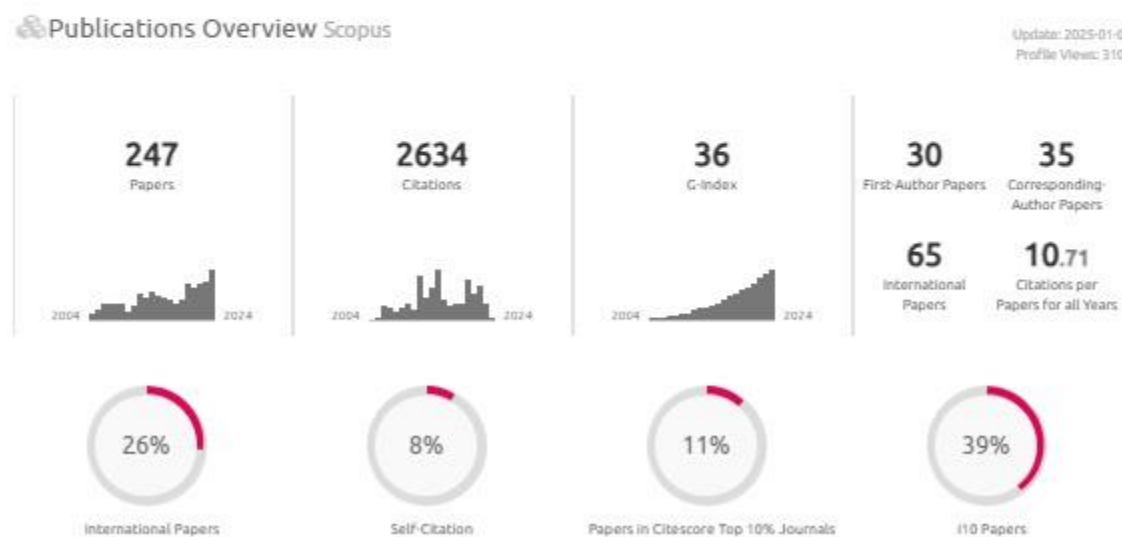
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## URLs

<https://sctrc.sums.ac.ir/page-sctrcEN/en/404/form/pId64734>

[https://isid.research.ac.ir/Nader\\_Tanideh](https://isid.research.ac.ir/Nader_Tanideh)

<https://www.scopus.com/authid/detail.uri?authorId=6507648665>

<https://scholar.google.com/citations?user=Pfyw0b4AAAAJ&hl=en>

<https://orcid.org/0000-0001-9282-1778>

<https://www.researchgate.net/profile/Nader-Tanideh>

<https://loop.frontiersin.org/people/1236217/network>

<https://med.sums.ac.ir/page-Rightpharmacology/fa/333/form/pId48300>

<https://www.linkedin.com/in/nader-tanideh-03b42549/?originalSubdomain=ir>

## Education

**2005-2010 PhD** (Veterinary Surgery) Shiraz University, Iran

Evaluation of invented biogluce in autologous transplantation of medical femoral condyle's articular cartilage in animal model (Rabbit)

**2003-2003 SABBATICAL** (Experimental medicine) University of British Columbia, Canada

Impact of Autologous Bone Marrow Derived Stem Cell Transplantation on Left Ventricular Function in a Porcine Model of Heart Failure

**1995-1998 MPH** (Master of Public Health) Shiraz Medical Sciences University, Iran

**1985-1991 DVM** (Doctor of Veterinary Medicine) Shiraz University, Iran

## Skills

*Animal Modeling in Biomedical Research*

*Stem cell culture ▪Tissue Engineering ▪Regenerative Medicine ▪Public Health*

*Article and proposal writing*

## Working Experiences

**2010-current:** Manager of Stem Cells Technology Research Center

**2012-current:** counsellor of President in Shiraz University of Medical Sciences about laboratory animals

**2009-2011:** Head of department of technician veterinary of Kavar scientific-practical University and vice-chairman in finance of University

**1996-2012:** Dean of Laboratory Animals Research Center, Shiraz University of Medical Sciences, Shiraz, Iran

**2010-2012:** Served in administrative and supervisory positions in building animal laboratory infrastructure and research capacity.

**2012-2022:** Provide fiscal and personnel management for the Pharmacology Department and Stem Cells Technology Research Center

**1991-94 Vice-President** School of Marine Sciences, Chabahar, Iran

1. Managed the administration of courses and education programs
2. Served on the marine committee to design and implement marine science courses at the Ministry of Science, Research and Technology, Iran
3. Provided leadership in introducing advanced marine simulation technology to the School
4. Coordinated, administered, and developed the Diseases of Aquatic Organisms center at Chabahar Univesity with the cooperation of the School of Veterinary Medicine of Tehran University.

**2024- current:** Dean of Laboratory Animals Research Center, Shiraz University of Medical Sciences, Shiraz, Iran

# Teaching

## Teaching Experiences

**2011-current:** lecturer on the Animal Model in ATLS (advanced trauma life support)

**1996-current:** Served as supervisor and consultant of student thesis (medical, dental, veterinary, pharmacy, and basic sciences in PhD and MS)

**1991-current:** lecturer in Pharmacology, Biology, Basic Science of Laboratory Animals as modeling in biomedical researches, First Aid and Epidemiology.

## Teaching Subjects

General pharmacology

Principles of Laboratory Animal Science

Public health and basic sciences

Lecturer of laboratory animal's sciences in the national workshop, in Shiraz University of Medical Sciences  
Lecturer of laboratory animal's sciences in workshop, Fasa University of Medical Sciences

Medical Sciences Lecturer of laboratory animal's sciences in workshop, Yazd University of Medical Sciences

Lecturer of laboratory animal's sciences in workshop, Jahrom Medical School and Jahrom Medical School

Experimental Laparoscopy, Experimental Surgery, and Tissue Processing.

Introduction to the stem cells

## Funds

Tehran, Iran, 2010 (700.000.000 Rials). Iran National Science Foundation

Tehran, Iran, 2010 (300.000.000 Rials). National Institute for Medical Development

Shiraz, Iran, 2010-current (2.000.000.000 Rials). •Shiraz University of Medical Sciences

# Membership

## Membership (Research Centers)

Stem Cells Technology Research Center, Shiraz University of Medical Sciences, Shiraz, Iran

Burn Research Center, Shiraz University of Medical Sciences, Shiraz, Iran

Colorectal Research Center, Shiraz University of Medical Sciences, Shiraz, Iran

Laparoscopic Research Center, Shiraz University of Medical Sciences, Shiraz, Iran

Fetal Surgery Group, Shiraz University of Medical Sciences, Shiraz, Iran

Advanced Trauma Life Support (ATLS) group

Bone and Joint Diseases Research Center, Shiraz University of Medical Sciences, Shiraz, Iran

Member of board in PerciaVista R&D Co., Shiraz and Booshehr 7514633196, Iran

## Membership (Journals)

Editorial Board in Frontiers in Medicine

[Frontiers of Medicine](#)

ISSN/ISBN: [2095-0217](#), [2095-0225](#) 10%

General

Medicine

[Springer](#) 9.927 Q1 14.10 Q1 48 [ISI](#), [Scopus](#), [PubMed](#)

<https://www.frontiersin.org/research-topics/19865/stem-cell-derived-exosome-therapy-of-microbial-diseases-from-bench-to-bed#overview>

<https://www.frontiersin.org/research-topics/19865/stem-cell-derived-exosome-therapy-of-microbial-diseases-from-bench-to-bed#articles>

<https://www.frontiersin.org/articles/10.3389/fmicb.2021.842773/full>

Reviewer in Iranian Journal of Orthopaedic Surgery

[Journal of Orthopaedic Surgery](#)

Surgery [ProQuest](#) 1.482 Q4 2.00 Q3 44 [ISI](#), [Scopus](#), [PubMed](#), [Embase](#)

ISSN/ISBN: [1022-5536](#), [2309-4990](#)

Reviewer in Iranian Journal of Medical Sciences

[Iranian Journal of Medical Sciences](#)

General ProQuest,

Medicine Other

0.000 3.40 Q1 31

[ESCI](#)

[\(ISI\)](#), [Scopus](#), [PubMed](#), [Embase](#), [DOAJ](#)

ISSN/ISBN: [0253-0716](#), [1735-3688](#)

Reviewer in SEMJ (Shiraz E Medical Journal)

[Shiraz E Medical Journal](#)

General

Medicine

Other

[1.00](#)

Q3

[12](#)

[Scopus](#), [Embase](#) [J](#)

ISSN/ISBN: [1735-1391](#)

Reviewer in Biological Trace Element Research

General

Medicine

Inorganic

Chemistry

+ 3 more

...

[Biological Trace Element Research](#)

ISSN/ISBN: [0163-4984](#), [1559-0720](#)

[Springer](#), [ProQuest](#) 4.081 [Q2](#) 6.10 [Q2](#) 88 [ISI](#), [Scopus](#), [PubMed](#), [Embase](#)

#### Reviewer in artificial organ

General

Medicine

Biomedical

Engineering

[Artificial Organs](#)

ISSN/ISBN: [0160-564X](#), [1525-1594](#)

[Wiley](#), [ProQuest](#) 2.663 [Q3](#) 4.10 [Q2](#) 79 [ISI](#), [Scopus](#), [PubMed](#), [Embase](#)

Editorial Board in Journal of Advanced Biomedical Sciences (JABS) Fasa University of Medical Sciences <https://journal.fums.ac.ir/page/13/Editorial-Board>

Indexed by SID, DOAJ, American Chemical Society, Google Scholar, ISC, Academic Search Engine



## Honors and Awards

- 1) Top-Cited Scientists in Elsevier BV Citation Metrics Published (2022-2024).  
[https://topresearcherslist.com/#google\\_vignette](https://topresearcherslist.com/#google_vignette)
- 2) First Rank as one of the best Researchers in Medical School, Shiraz University of Medical Sciences, Shiraz, Iran, 2021.
- 3) First Rank as one of the best Educational Faculty Member, Shiraz University of Medical Sciences, Shiraz, Iran, 2020.
- 4) Gold Medal for Sustain-Release Drug Delivery Pad for Treatment of Reproductive Tract Infections and Applicator Thereof at The Annual Edition of The international invention innovation competition in Canada iCAN 2022
- 5) Patent certificate for invention of Fully automatic burn device in modeling laboratory animal for biomedical research, Iran, 2012
- 6) Patent certificate for invention of environmentally friendly designed standard food pellet as controller of wild rodents' population, 2016
- 7) Superior student in Veterinary Surgery. Shiraz University, Iran 2010

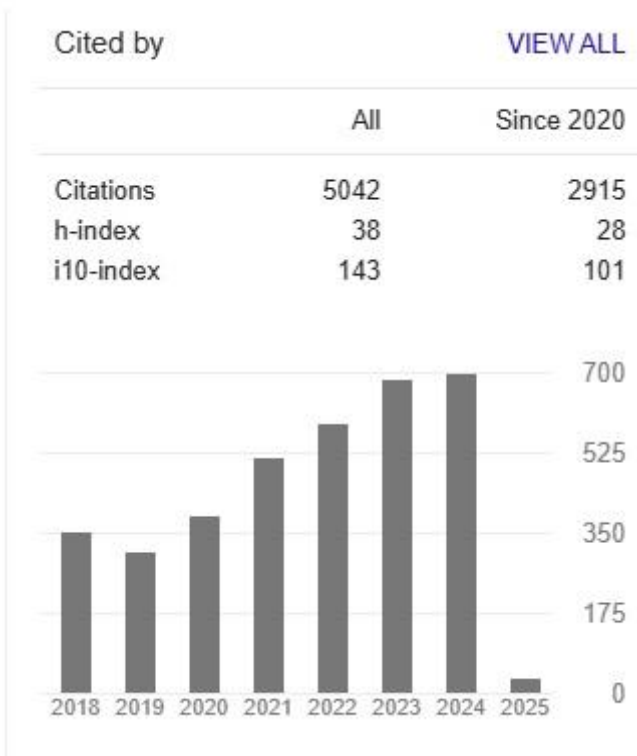
## Publications

Articles: 296

Scholar Google: H index: 38 (Total papers: 407) (citation: 5042)

Research Gate: H index:30 (Total papers: 370) (citation: 4173)

Scopus: H index: 28: (Total papers: 247) (citation: 2642)



## Books

- 1) Anaga Naira, SaraNadine, SamadAhadian, JoãoManoc, **NaderTanideh**, Finosh G. Thankame (2022). Chapter 23 - Translational tissue engineering. Current Status and Challenges Pages 557-573
- 2) Najmeh Oliyaei, **Nader Tanideh** and Seyedeh Zahra Nasirifar (2022). Essential Oils - Advances in Extractions and Biological Applications. Application of Essential Oils in the Treatment of Inflammatory Bowel Disease. Edited by Mozaniel Santana de Oliveira and Eloisa Helena de Aguiar Andrade
- 3) Samira S Abolmaali, Vahid Alimardani, Ghazal Farahavar, Haniyeh Najafi, Mina Shafiee, **Nader Tanideh**, Ali M Tamaddon, Samad Ahadian (2022). Emerging Nanomaterials and Nano-Based Drug Delivery Approaches to Combat Antimicrobial Resistance.

## Papers

### 2025

1. Rano Zhankina, Alireza Afshar, Zohreh Farrar, Arezoo Khoradmehr, Mandana Baghban, Mahmud Suleiman, Mohammad Reza Dorvash, Neda Baghban, Farhad Rahmanifar, **Nader Tanideh**, Omid Koochi Hosseinabadi, Ali Arabi Monfared, Shahrokh Zare, Zahra Khodabandeh, Mojtaba Farjam, Iraj Nabipour, Reza Shirazi, Ulanbek Zhanbyrbekuly, Amin Tamadon (2024). Restoration of spermatogenesis in azoospermic mice by bone marrow mesenchymal stromal/stem cells conditioned medium. Research Square. DOI: 10.21203/rs.3.rs-16924. **In press**.
2. Fariborz Nowzari, Farhad Rahmanifar, **Nader Tanideh**, Mohammad Reza Dorvash, Arezoo Khoradmehr, Neda Baghban, Amin Tamadon (2024). Dietary cottonseed consumption induced subfertility in male and female rats: a potent eco-friendly rodenticide compound. Research Square. DOI:10.21203/rs.3.rs-538459/v1. **In press**
3. Afshin Zare, Nadiar Mussin, Asset Kaliyev, Raisa Aringazina, Shabnam Bakhshalizadeh, Reza Shirazi, **Nader Tanideh**, Mahdi Mahdipour, Farhad Rahmanifar, Kulyash Zhilisbayeva, Amin Tamadon (2024). Anti-lung cancer compounds derived from marine sponges: in-silico, pharmacological and bibliometric analyses. **In press**
4. Fereshte Rouygar, Nader Ghaleh Golab, Sholeh Ghollasimood, **Nader Tanideh** (2024). The effect hydroalcoholic extract of *Salvia officinalis* on the angiogenesis rate in the chorioallantoic membrane (CAM) of chicken embryo. **In press**
5. Masoumeh Ahmadi, Afshin Zare, Mohammad Reza Jafarzadeh Shirazi, Samaneh Askari, Arezoo Khoradmehr, Nadiar Maratovich Mussin, Asset Askerovich Kaliyev, Farzad Mohammadrezazadeh, Saman Saedi, Mohammad Dadpasand Taromsari, Alidad

Boostani, **Nader Tanideh**, Kulyash R Zhilisbayeva, Safarzoda Ramazon Sharofiddin, Amin Tamadon (2024). Therapeutic effects of *Cynodon dactylon* (C. dactylon) against polycystic ovary syndrome induced by letrozole in adult rats: ovarian and uterine aspects. *International Journal of Fertility and Sterility*. 10.22074/ijfs.2024.2020015.1608. **In Press**

6. Rano Zhankina, Afshin Zare, Alireza Afshar, Arezoo Khoradmehr, Mohammad Reza Dorvash, Farhad Rahmanifar, **Nader Tanideh**, Omid Koochi Hosseinabadi, Ali Arabi Monfared, Shahrokh Zare, Nadiar Maratovich Mussin, Asset Askerovich Kaliyev, Ulanbek Zhanbyrbekuly, Amin Tamadon (2024). Extracellular Vesicles Present in Bone Marrow Mesenchymal Stromal/Stem Cell Con-ditioned Media Restore Spermatogenesis in Azoospermic Mice. *International Journal of Fertility and Sterility*. **In Press**
7. Akmaral Baspakova, Afshin Zare, Roza Suleimenova, Aidar B Berdygaliev, Bibigul Karimsakova, Kymbat Tussupkaliyeva, Nadiar M Mussin, Kulyash R Zhilisbayeva, **Nader Tanideh**, Amin Tamadon (2025). An updated systematic review about various effects of microplastics on cancer: A pharmacological and in-silico based analysis. *Molecular Aspects of Medicine*. Volume101. Pages101336
8. Omid Koochi-Hosseinabadi, Reza Shahriarirad, Amireza Dehghanian, Laleh Amini, Sajjad Barzegar, Afrooz Daneshparvar, Omid Alavi, Seyedeh-Parvin Khazraei, Saba Hosseini, Ali Arabi Monfared, Roya Khorram, **Nader Tanideh**, Soheil Ashkani-Esfahani (2025). In-vitro and in-vivo assessment of biocompatibility and efficacy of ostrich eggshell membrane combined with platelet-rich plasma in Achilles tendon regeneration. *Scientific Reports*. Volume15. Issue1. Pages 841
9. Mahintaj Dara, Mehdi Dianatpour, Negar Azarpira, **Nader Tanideh** (2025). Gene Therapy Strategies for Muscular Dystrophies: Current Insights and Future Directions. *OBM Genetics* 2025; 9(1), doi:10.21926/obm.genet.2501280

10. Mohammad Reza Keshavarz, Reyhaneh Ebrahimi, Samira Sadat Abolmaali, Shima Torabi Ardekani, Omid Koochi-Hosseiniabadi, Hamid Reza Arabion, **Nader Tanideh**, Fariborz Nowzari (2024). Comparative Histopathological Evaluation of Gingival Tissue Reactions to Chlorhexidine-Coated and Uncoated Silk Sutures in Male Rats: Comparative Tissue Reactions to ...Galen Medical Journal. Volume13. IssueSP1. Pages e3577-e3577
11. Hamidreza Arabion, Arya Khosronejad, Alireza Afshar, Aida Iraj, Mohamad Mokhtarzadegan, Ehsan Aliabadi, Reyhaneh Ebrahimi, Nadiar M Mussin, Madina A Kurmanalina, **Nader Tanideh**, Amin Tamaddon (2024). Trends and Patterns in Mandible Bone Cancer Research: An Updated Comprehensive Bibliometric Review: Trends and Patterns in Mandible Bone Cancer Research. Galen Medical Journal Volume13. IssueSP1. Pages e3541-e354
12. Nazanin Jafari, Mina Seyed Habashi, Alireza Afshar, Mohammad Ghasemi, Madina A Kurmanalina, Nadiar M Mussin, Asset A Kaliyev, Shahrokh Zare, Zahra Khodabandeh, **Nader Tanideh**, Amin Tamadon (2024). The Effect of Exosomes Derived from Human Umbilical Cord Mesenchymal Stromal/Stem Cells on the Regeneration of Human Pulpectomized Tooth: A Case Report. Iranian Journal of Medical Sciences Volume 50, Issue 1. January 2025. Pages 54-58
13. Arya Khosronejad, Hamidreza Arabion, Aida Iraj, Mohamad Mokhtarzadegan, Seyyed Sajad Daneshi, Seyedeh-Leili Asadi-Yousefabad, Shahrokh Zare, Fariborz Nowzari, Shekofeh Abbaspour, Fatemeh Akbarizadeh, Ehsan Aliabadi, Mohammad Amin Amiri, Moein Zarei, Reyhaneh Ebrahimi, Nadiar M Mussin, Madina A Kurmanalina, **Nader Tanideh** <sup>co corr</sup>, Amin Tamadon (2024). Mandibular bone defect healing using polylactic acid–nano-hydroxyapatite–gelatin scaffold loaded with hesperidin and dental pulp stem cells in rat. Tissue and Cell. Volume 93. Pages 102700
14. Farhad Rahmanifar, Reshad Balef, **Nader Tanideh**, Siavash Kalbi, Aymen Abdulateef Alrubaye (2024). An Interdisciplinary Insight into the Ethnobiology of Mangroves: A Description of Human Health and Mangrove Health Relationships in the Persian Gulf and

Gulf of Oman Region. West Kazakhstan Medical Journal. Volume 66. Issue 4. Pages 401-417

15. Zinat Zirrahi, Mohammad Javad Khoshnood, Abdolmajid Kowsarinejad, Farhad Rahmanifar, Alireza Hashemi, Masoumeh Ahmadi, **Nader Tanideh** (2024). Nutritional Benefits of *Saccostrea cucullata*: Potential Role in Human Health. West Kazakhstan Medical Journal. Volume 66. Issue 4. Pages 343-364
16. Pardis Abolghasemi, **Nader Tanideh**, Masoud Alirezaee, Benyamin Khatamsaz (2024). Induced Knee Osteoarthritis: Preventive Effects of Wharton-jelly Mesenchymal Stem Cell Conditioned Medium, Captopril and Losartan in Male Rats. Volume 47, March 2024, Pages 208-218. <https://doi.org/10.21203/rs.3.rs-2492786/v1>
17. Soudabeh Sabetian, Zahra Shiravani, Fatemehsadat Najib, Mahvash Alirahimi, Elham Askary, Tahereh Poordast, **Nader Tanideh**, Shohreh Roozmeh, Golsa Shekarkhar, Sana Atbaei, Danilo Porro, Claudia Cava (2024). The supplemental effect of Vitamin-D3 and Omega-3 on induced endometriosis rat model to investigate the inflammatory response. Journal of Obstetrics, Gynecology and Cancer Research. Volume 9. Issue 5. Pages 498-506
18. Najmeh Oliyaei, Mohammad Hashem Hashempur, Kamiar Zomorodian, **Nader Tanideh**, Milad Noori, Ali Abbasi, Mohammad Mahdavi, Aida Iraj (2024). An overview of potential algae-derived bioactive compounds against urease-positive microorganisms. Algal Research. Volume 77, January 2024, 103372.
19. Samaneh Askari, Mohammad Reza Jafarzadeh Shirazi, Masoumeh Ahmadi, Arezoo Khoradmehr, Nadiar M Mussin, Asset A Kaliyev, Farzad Mohammad Rezazadeh, Mohammad Dadpasand Taromsari, Ali Bustani, **Nader Tanideh**, Kulyash R Zhilisbayeva, Amin Tamadon (2024). Impact of alcoholic extract from sea cucumber (*Holothuria parva*) on letrozole-induced polycystic ovary syndrome in adult female rats. Asian Pacific Journal of Reproduction. Volume 13 Issue 6 Pages 261-270

20. Milad Noori, Minoo Khalili Ghomi, Navid Dastyafteh, Najmeh Oliyaei, Haleh Hamedifar, Shahrzad Javanshir, **Nader Tanideh**, Elahe Sattarinezhad, Fateme Sattari, Masoud Haghani, Hojjat Rahmani, Bagher Larijani, Mohammad Mahdavi, Mir H Hajimiri, Aida Iraj (2024). Isoindolinedione-Benzamide Pyridinium Derivatives for Targeting Alzheimer's Disease. American Chemical Society Omega. Vol 9/Issue 49
21. Mahintaj Dara, Mehdi Dianatpour, Negar Azarpira, **Nader Tanideh**, Romina Tanideh (2024). Integrating CRISPR Technology with Exosomes: Revolutionizing Gene Delivery Systems. Biochemical and Biophysical Research Communications. Volume 740, 25 December 2024, 151002
22. Alireza Akhlagh, Aida Iraj, Seyyed Sajad Daneshi, Mehdi Kian, Akram Jamshidzadeh, Shahrokh Zare, **Nader Tanideh**, Maryam Naseh, Nadiar M Mussin, Madina A Kurmanalina, Amin Tamadon (2024). Therapeutic potential of resveratrol and autologous chondrocytes in male rat knee joint cartilage repair. Natural Product Research, 1–15. <https://doi.org/10.1080/14786419.2024.2429111>
23. Soudabeh Sabetian, Bahia Namavar Jahromi, Sina Vakili, Mohammad Samare-Najaf, Sarah Siahbani, Fatemeh Zal, **Nader Tanideh**, Mahintaj Dara, Zahra Khodabandeh (2024). Potential therapeutic properties of broccoli extract and soy isoflavones on improvement endometriosis and involved oxidative parameters. Hormone Molecular Biology and Clinical Investigation Volume 45. Issue 3. Pages 131-137 <https://doi.org/10.1515/hmbci-2023-0071>
24. Sareh Pandamooz, Sara Chavoshinezhad, Mandana Mostaghel, Armita Rasekh, Nasrin Ghorbani, Mahintaj Dara, Tahoura Pandamooz, **Nader Tanideh**, Mohammad Saied. (2024). Directing Rat Hair Follicle Stem Cells Toward Neuronal Lineage with Enhanced Trophic Factor Expression. Advanced Biomedical Research. Volume 13. Issue 1. Pages 84



25. Z Boshanov, AA Kaliyev, NM Mussin, G Kurmanalina, M Sharifkazemi, **N Tanideh**, P Azerbayeva (2024). Global trends in restenosis research within acute coronary syndrome: a bibliometric analysis. *European Review for Medical & Pharmacological Sciences*. Volume28. Issue17. P: 4264-4275
26. Zahra Shiravani, Fatemehsadat Najib, Mahvash Alirahimi, Elham Askary, Tahereh Poordast, **Nader Tanideh**, Shohreh Roozmeh, Golsa Shekarkhar, Sana Atbaei, Danilo Porro, Soudabeh Sabetian, Claudia Cava. (2024). The Aupplemental Effect of Vitamin-D3 and Omega-3 on Induced Endometriosis in Rat Model to Investigate the Inflammatory Response. *Journal of Obstetrics, Gynecology and Cancer Research*. Volume9. Issue5. Pages4-4
27. Nasser Gholijani, Negar Azarpira, Samira-Sadat Abolmaali, **Nader Tanideh**, Mohammad-Hadi Ravanrooy, Farzane Taki, Gholamreza Daryabor (2024). Piperine and piperine-loaded albumin nanoparticles ameliorate adjuvant-induced arthritis and reduce IL-17 in rats. *Experimental and Molecular Pathology*. Volume140. Pages104937
28. Nahid Najafi, Seyed Jalil Masoumi, Ali Akbar Nekooeian, **Nader Tanideh**, Siavash Babajafari, Hossein Khosravi-Boroujeni, Najmeh Maayeshi, Saeed Sherafatmanesh (2024). Investigating Anti-Oxidative and Anti-Inflammatory Effects regarding Ethanol Extract of Allium Porrum L. in Rats with Type 2 Diabetes Mellitus. *Journal of Nutrition and Food Security*. Volume9. Issue4. Pages755-760
29. **Nader Tanideh**, Afsoon Bordbar, Hossein Bordbar, Mohammad Saleh Khaghaninejad, Sajad Daneshi, Shima Torabi Ardekani, Aida Iraj, Shahrokh Zare, Zahra Khodabandeh, Najmeh Sarafraz, Romina Tanideh, Moein Zarei (2024). Evaluation of the Bone Formation Potential of Collagen/ $\beta$ -TCP/Ginger Extract Scaffold Loaded with Mesenchymal Stem Cells in Rat Animal model: A Stereological Study. *Journal of Maxillofacial and Oral Surgery*. Volume23. Issue5. Pages1331-1342
30. Mohamad Mokhtarzadegan, Saba Amini, Aida Iraj, Mehdi Kian, Cambyz Irajie, Seyyed Sajad Daneshi, Shekofeh Abbaspour, Shahrokh Zare, Akram Jamshidzadeh, Ali Feiz, Nadiar M Mussin, **Nader Tanideh**, Amin Tamadon (2024). Enhanced Mandibular Bone

Repair Using Poly Lactic-co-glycolic Acid Combined with Nanohydroxyapatite Scaffold Loaded by Mesenchymal Stromal/Stem Cells and Curcumin in Male Rats. ACS Biomaterials Science & Engineering. Vol 10. Issue 11

31. Rano Zhankina, Ulanbek Zhanbyrbekuly, Manarbek Askarov, Afshin Zare, Nazanin Jafari, Dana Saipiyeva, Ravil Sherkhanov, Daniyar Akhmetov, Alireza Hashemi, Mojtaba Farjam, **Nader Tanideh**, Behrouz Aflatoonian, Nadiar Maratovich Mussin, Asset Askerovich Kaliyev, Yerlan Sultangereyev, Hanieh Baneshi, Reza Shirazi, Mahdi Mahdipour, Shabnam Bakhshalizadeh, Farhad Rahmanifar, Amin Tamadon (2024). Improving Fertility in Non-obstructive Azoospermia: Results from an Autologous Bone Marrow-Derived Mesenchymal Stromal/Stem Cell Phase I Clinical Trial. International Journal of Fertility and Sterility. International. Journal of Fertility & Sterility. Volume18. Issue Suppl 1. Pages60
32. Elham Rahmanian, **Nader Tanideh**, Saied Karbalay-Doust, Davood Mehrabani, Davood Rezazadeh, Deniz Ketabchi, Narges EskandariRoozbahani, Nasrin Hamidizadeh, Farzad Rahmanian, Mohammad Reza Namazi (2024). The effect of topical magnesium on healing of pre-clinical burn wounds. Burns. Volume50. Issue3. Pages630-640.
33. SA Dalir, A Meimandi Parizi, **N Tanideh**, M Kian, F Nowzari, A Iraj, P Ghaemmagham, N Azarpira, Sh Zare (2024). Evaluation of the therapeutic potential of infrapatellar fat pad adipose-derived stem cells and their secretome for regenerating knee articular cartilage in a rat model of osteoarthritis. Iranian Journal of Veterinary Research. Volume25. Issue1. Pages: 33-40
34. Mohammad Saeid Fereidouni, Rasuol Ghorbani, **Nader Tanideh**, Abdul Majid Haji-Moradlou, Seyed Abbas Hosseini, Mahdi Banaee, Hadithseh Kashiri (2024). Investigating the therapeutic effect of Spirulina platensis algae supplement and poultice on biochemical parameters and immune parameters in rainbow trout *Oncorhynchus mykiss* (Walbaum, 1792) after skin injury. Aquaculture Sciences. Volume12. Issue1. Pages137-150

35. Zahra Khodabandeh, Bahya Namavar Jahromi, Atefe Hashemi, Kamran Hessami, Iman Jamhiri, Shahrokh Zare, Parmis Badr, Ida Iraj, Tahere Poordast, Neda Baghban, Arezoo Khoradmehr, Nadiar Maratovich Mussin, Asset Askerovich Kaliyev, Yerbolat Maratovich Iztleuov, Reza Shirazi, Mahdi Mahdipour, Shabnam Bakhshalizadeh, Farhad Rahmanifar, Nazanin Jafari, **Nader Tanideh**, Amin Tamadon (2024). Ceratonia siliqua L. pod effects on the viability gene expression of endometrial mesenchymal stromal/stem cells isolated from women with endometriosis-associated infertility. *International Journal of Fertility & Sterility*. Volume9.Issue5. Pages498-506
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21. Bagheri M, Fathi M, Parvin F, Kouhi V, **Nader Tanideh**, Mehrbani D (2011) Role of a2b receptors in development and its implications in angiogenesis-a study using zebra fish embryo model. Cell Journal (Yakhteh). 12 (Suppl 1): 41-41.
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23. Pazhohi F, Jafarzadeh Shirazi MR, Zamiri MJ, Salehi S, Namavar MR, Niazi A, Ramazani A, **Nader Tanideh**, Tamadon A (2011) Expression of RFamide-related peptide-3 gene in estrous phases in hypothalamus of rat. The 1st National Congress of Role of Biotechnology in Animal Sciences, Isfahan, Iran, p: 19-23.
24. Adavi H, Jafarzadeh Shirazi M. R, Namavar M. R, **Nader Tanideh**. Zamiri M. J. Tamadon A (2011) Suckling induced expression of gonadotropin-inhibitory hormone at hypothalamic dorsomedial nucleolus in postpartum lactating rats. 3rd East Mediterranean 'ICLAS' symposium. Istanbul, Turkey June 13-15



25. **Nader Tanideh**, Javdani M, Mehrabani D, Motazedian M. H (2011) Identification of intestinal nematodes of rats and mice in Fars province, southern Iran. 3rd east mediterranean 'ICLAS' symposium. Istanbul, Turkey June 13-15
26. **Nader Tanideh**, Dehgani Nazhvani S, Jaberi F. M, Mehrabani D, Rezazadeh S, Pakbaz S, Tamadon A, Nikahval B (2011) The healing effect of Bioglue in experimental rabbit model of femoral condyle articular cartilage defect. 3rd east mediterranean 'ICLAS' symposium. Istanbul, Turkey June 13-15
27. Daryanoosh F, **Nader Tanideh** (2011) The effect of intensive exercise and consuming estrogen sulement on deposition of calcium and bone strength during sixteen weeks in ovariectomy rats. 3rd east mediterranean 'ICLAS' symposium. Istanbul, Turkey June 13-15
28. Daryanoosh F, **Nader Tanideh** (2011) The effect of low-intensive exercise and consuming estrogen sulement on deposition of calcium and bone strength after sixteen weeks in ovariectomy rats. 3rd east mediterranean 'ICLAS' symposium. Istanbul, Turkey June 13-15
29. **Nader Tanideh**, Sadjjadi S. M, Mohammadzadeh T, Mehrabani D (2011) Helminthic infection of laboratory animals in animal house of shiraz university of medical sciences and the potential risks of zoonotic infections for researchers. 3rd east mediterranean 'ICLAS' symposium. Istanbul, Turkey June 13-15
30. Javdani M, Javdani Z, **Nader Tanideh** (2010) Clinical and histological evaluation of ojenol in local anaesthesia and wound healing in rat. 8<sup>th</sup> Iranian symposium of veterinary surgery, anesthesia and radiology. 23-25 Feb. Faculty of specialized veterinary sciences, Islamic Azad university Tehran-Iran
31. **Nader Tanideh**, D Mehrabani, SM Sadjjadi, T Mohammadzadeh, K Hemyari (2009) The Parasitic infection in laboratory animals and potential risks for researchers. IMED international meeting on emerging diseases and surveillance Vienna, Austria February 13-16.

32. Adnafi M, Asghari Q, Mehrabani D, Motazedian MH, **Nader Tanideh** (2007) Biosystematic of trapped rodents in Fars province Southern Iran. Second conference on Applications of Biosystematics Studies on Rodents of Iran, Ferdowsi Mashahd University, Mashahad, Iran.
33. Forotan HR Zeraatian Nejad Davani S, Hosseini SMV, BananiSA, Raaiat pisheh SH, **Nader Tanideh** (2007) Animal study of biologic surgical adhesive (Biogluue) for urine leakage (fistula) in hyposadiasis repair. 1st Iranian Pediatric Urology Congress Tehran, Iran 15-16 May.
34. Malek Hosseini A, Zeraatian s, Farsad sm, Sharifian m, Sabet B, **Nader Tanideh** (2007) Model: Telescopic bowel anastomosis in the intra abdominal in flammatory environment in animal. The 8<sup>th</sup> Annual Reseaech Congress of Iranian Medical Sciences Student & The 1st International Student Congress on Medical Research in Shiraz•Iran 23-25 May.
35. Jaberi FM, Erfani, MA. Nicfar, M. **Tanideh**, N. Geramizadeh, B (2004) Treatment of staphylococcal joint infection in the rabbit by administration of systemic antibiotics and intra articular corticosteroids. European Bone and Joint Infection Society 23 Annual Meeting Milano, May, 27-29.
36. Zarifkar A, Tabei SZ, Vessal M, **Nader Tanideh**, Habibi H, Hosaini nasab SJ, Khatibi A, Mosavat H, AY J (2004) Effect of heparanase administration on skin autograft Healing in rat. 17<sup>th</sup> Internation Congress of Geographic Medicine. Shiraz- Iran 23-25 Nov.
37. **Nader Tanideh**, Sadjjadi SM, Hemyari K (2004) Study of nutritional status in preschool children infected with *Giardia intestinalis*. Posterpresentation, IX European multicolloquium of parasitology. Valencia-spain, 18-23 july
38. Mehrabani D, Sadjjadi SM, Mohammad-Zadeh T, **Nader Tanideh** (2004) Is there an infection risk in healthy aearance laboratory animals for researchers? A study on helminth zoonoses of laboratory animals of the animal house in Shiraz University of Medical Sciences. Valencia-spain, 18-23 july.

39. Ababasi MR, **Nader Tanideh**, Foroughizdeh M (2004) Evaluation of acute toxicity of protectamine in different organs of male german-shepherd dog. Poster presentation 10<sup>th</sup> international congress of toxicology, ICTX, 11-15 July Tampere, Finland.
40. Erfani MA, Vessal MT, **Nader Tanideh**, Torabinejad S (2004) The Effect of High-Dose Calcitonin on Bone Healing: an Experimental Study on Guinea pig. Oral Presentation Osteocentese International Congress Graz-Austria 9 Oct.
41. Shakery S, Massoudi, P, Aminsharifi A, **Nader Tanideh** (2004) Effect of New Method of Anti Reflex on Rabbits. Oral Presentation 7<sup>th</sup> Scientific Congress of Urology. Tehran-Iran 15-18 June.
42. Deghani F, Panjehshahin MR, Nikeghbalian S, Noorafshan A, **Nader Tanideh**, Azizi M, Talaei T (2003) The effect of prostaglandin E2 in angiogenesis in skin graft. Poster presentation. 5th Scientific Congress Federation of Asian & Oceanian Physiological Societies (FAOPS) –Malaysia.
43. Jaberi FM, Dehgani F, **Nader Tanideh**, Torabinejad S (2002) Autogenous osteochondral transplantation mosaicplasty (an animal study on sheep) poster presentation at the 4th symposium international cartilage repair society (ICRS) Toronto-Canada 15-18 June.
44. **Nader Tanideh**, Mehrbani D, Kohanteb J (2002) Protective role of heated supernatant of pseudomonas aeruginosa among mice experimentally infected with this bacteria has been accepted for poster presentation at the XVI IEA world congress of epidemiology in Montreal-Canada, to be held august 18-22.
45. Mehrabani D, **Nader Tanideh**, Kragar M, Khalili N, Kohanteb J, Shamsnia SJ (2002) Protective role of heated supernatant of pseudomonas aeruginosa among mice experimentally infected with these bacteria has been accepted for Oral Presentation at the Middle East Journal of Emergency Medicine. Vol. 2/No. 2 Sep: 95.

46. **Nader Tanideh**, Sadjjadi SM, Mazloom Z (2002) A survey of nutritional status of preschool children infected with *Giardia intestinalis*. 16th IEA world Congress of Epidemiology ^Montreal-Canada.
47. Foroutan HR, **Nader Tanideh**, Geramizadeh B, Khalili A, Rasekhi A, Benrazavi S (2002) urethral reconstruction with autologous and everted vein graft, an experimental study. Poster presentation. 16th British association pediatric surgery congress. July. Combridge. England.
48. Hosseini SV, Ghasemzadeh, B, **Nader Tanideh** (2002) Colchicn effect on reduction or prevention of talc induced intraabdominal adhesion bands. Poster presentation 10th united European Gastroenterology week, Geneva 19-23October.
49. Sadjjadi SM, Mohammadzadeh T, **Nader Tanideh**, Mehrabani D (2002) do you have periled laboratory animals for researchers? Poster presentation 10th Iranian congress on infectious disease and tropical medicine, Tehran-Iran 5-9 Jan.
50. Hosseini SMV, Banani SA, **Nader Tanideh** (2002) Effect and role of oral metronidazole in treatment of bacterial peritonitis. Poster presentation first international congress of anesthesiology and perioperative medicine and seventh Iranian congress of anesthesia and critical care. Shiraz-Iran, 2-5 Oct.
51. **Nader Tanideh**, Sadjjadi SM (2001) Growth and malnutrition Among pre School children in Marvdasht City, IRAN 17th International Congress of Nutrition (ICN) Vienna-Austria 27-31 August.
52. Bagheri H, **Nader Tanideh**, Tadayon A, Heyatti K, Heyatti M (2001) Preliminary experience of ultrasound-guided percutaneous injection of alcohol or acetic acid into canine prostate. CIRSE (Cardiovascular Interventional Radiology Society of Europe) Annual Meeting Gottenburg Sweeden, 22-26 Sep.

## Thesis Supervisor and Advisor

PhD :14

residents: 39

MSc: 15

MD/DVM/DMD/PharmD: 72

### Thesis supervision

1. The therapeutic effect of *Glaucium grandiflorum* hydroalcoholic extract on induced colitis in male rats
2. Ultrasonic evaluation of intestinal transmission of four types of non-echogenic barium sulfate capsules: monolayer jelly alginate capsule, bilayer dry alginate capsule coated with jelly alginate, trilayer dry gelatin capsule, bilayer jelly chitosan-alginate capsule
3. Comparing the therapeutic effect of *Boswellia serrata* essential oil with Asacol and Mesalazine on biochemical markers and histopathological changes on the experimental chemical model of colitis in male rat
4. evaluation of bone healing of dental pulp stem cells and fucoidan loaded on poly lactic acid scaffold containing nano hydroxyapatite on induced mandibular bone defect in male rat
5. Preparation and in vitro in vivo evaluation of dacarbazine loaded nanoparticles based on melanin extracted from cuttlefish ink in skin cancer
6. Comparative clinical study of the effectiveness of bone hemostatic biopolymer material versus commercially available bone wax in Rabbit Cortical-Tibial defect model
7. Short-term chick embryo extract preconditioning promotes epidermal neural crest stem cells toward neural fate
8. comparison Effect of 10% and 30% of *Glycyrrhiza violacca* root on hormonal changes in HPG axis, steriology and histopathology changes of uterus in Ovariectomized Adult Rats
9. Preventive Effect of Grape Seed Oil on Induced Osteoarthritis in Male Rat
10. ziziphus jujube protective effects against cisplatin induced nephrotoxicity in rats
11. Study effect of the *Ziziphus jujube* fruit alcoholic extract on SOD,GPX,MDA,MPO,NO and inflammatory index (IL-1B) and histopatologic chenges on the induced colitis in mail rat

12. Evaluation of hypericum perforatum extract's effect (gel form) on the healing of acetic acid-induced ulcerative colitis in male rat
13. Evaluation of hypericum perforatum extract's effect (gel form) on the healing of acetic acid-induced Oral mucositis colitis in male rat
14. Evaluation of Melilotus officinilis L. aqueous extract effects on the healing of acetic acid – induced ulcerative colitis in male rat.
15. Evaluation of Calendula officinilis hydroalcoholic extract effects on the healing of acetic acid – induced ulcerative colitis in male rat.
16. Treatment of Staphylococcal Septic Arthritis in Rabbits by Systemic Antibiotics and Intra-Articular Corticosteroids
- 17.
18. The Effect of Intra-arterial Methylene Blue Injection Following Intra-arterial Diazepam in Prevention of Arterial Thrombosis and Limb loss.
19. The Role and Efficacy of Oral Metronidazole in the Treatment of Fecal Peritonitis.
20. Study of Liver Transplantation on Animal Models.
21. The Use of Tanned Skin for the Closure of Ventral Hernia in Dog.
22. Autogenous Osteochondral Transplantation (Mosaic Plasty) on Sheep's Knee.
23. Biologic Resurfacing of the Patella with Quadriceps tendon Flap an Animal Study on Rabbits
24. Sonographic Examination of Prostatic Lesion Induced by Intra-Prostate Injection of Ethanol (on Animal Model)
25. A Study on the Autograft of Abdominal Aorta to Trachea in Dog.
26. A Comparison of Ethanol and Diacetic Acid-Induced Necrosis in Dog's Thyroid Glands.
27. A Study on the Grafting of Splenic Tissue Between Mucosal and Muscular Layers of Rabbit's Stomach.
28. A Comparison on the Effects of Bone Marrow and Bone Graft in the Healing of Bone Fracture in Rabbit.
29. Preventive Effects of Different Doses of Methylene Blue on Talc Powder-Induced Adhesion Bands in Rabbits.
30. Histologic Study on the Role of Non Porous Membrane (Dense Expanded Polytetra Fluoro Ethylene) in the Healing of Periodontal Tissues in Dog.
31. Effects of Phenytoin on the Healing of Gingival Transplant in Rabbit.

32. Study and Production of New Formulation of Surgical Adhesive and its Effect on Hemorrhagic Aorta in Animal Model (Dog)
33. Causal Role of Silver Nitrate and Hypertonic Saline for Sclerotic Collangitis in Rabbit.
34. Study on Grafting of Invert Jugular Vein to Femoral Artery in Dog.
35. Study on Grafting Peritoneal Flap to Inferior Vena Cava in Dog.
36. An Examination on the Effects of Sex Hormones in Hepatic Trauma in Rat.
37. A Comparison on the Effects of Colchicine and Pencylamine on Adhesion Bands in Rat.
38. Grafting of Esophageal Muscularis Layer to Trachea in Dog.
39. Parathyroid Gland Locating by Injection of Methylene blue in Dog.
40. A Comparison of  $\alpha$ -Ointment (*Lawsonia Inermis*) & Silver Sulfadiazine in the Treatment Pseudomonas-Induced Infection of Burns in Rats.
41. Preventive Effects of Colchicine on Talc Powder-Induced Adhesion Bands in Guinea Pig.
42. A Study of Lymphatic Vessels Attachment in Lower Limbs by Testicular Patch in Dog.
43. Study of Thymokidney Transplantation in Induction of Tolerance Thymectomized Dogs.
44. A Histologic Examination on the Effects of Calcium Hydroxide and MTA on the Formation of Dentinal Bridge in the Pulp and Apical Area of Young Dogs.
45. A Study on Ecto and Endo Parasites of Laboratory Animals in Animal Lab of Shiraz Medical School.
46. Detection Acute Toxicity of Amifostine in German shepherd Dogs.
47. Analytical Study on Extension of New Procedure Trend Vaccination.
48. The Effect of High-Dose Calcitonin on Bone Healing: an Experimental Study on Guinea pig.
49. Effects of Prostaglandin F<sub>2</sub>  $\alpha$  on the Bone Healing in Rabbits.
50. Inspection of the efficacy of consumption of *Cocumis melo* L (melon) Maydis stigma (cherry stalk) extracts on urinary parameters associated with the urinary stone formation on Rat.
51. Effect of low-intensity laser irradiation (808 nm) on wound healing in comparison to daily irrigation method in rabbit model.
52. The effects of female sex hormones on liver trauma In an animal model.
53. Immediate Vs. Delayed endosseous Integration of Maxi Implant: A Torque Removal Study in The Canine.
54. Survey of histological comparative of perical tissues in repair trend of bone via usage from hypochlorite sodium and *Zataria multiflora*.
55. Entric Versus Bladder Drainage in Pancreas Transplantation Dog.

56. Assessment of Levothyroxine effect on Union of Tibial Fracture in Rabbits.
57. Open vs. Closed Treatment of Septic Arthritis In Animal Models An Experimental Study on Rabbit.
58. Comparison of renal ischemia outcome with & without ischemic preconditioning in dog
59. Reduction of Peritoneal Adhesion Formation by Oral Penicillamine: A Comparative Study in the Rat.
60. Study of systemic Dexametazone for premedication of induced mucositis in Hamster
61. Evaluation of ethanol 96° injection in tunica vaginalis as a sclerosing agent on testis and epididymis tissues in dogs.
62. The Effect of Soddium Fluoride on Bone Healing in Animal Model (Rabbit)
63. Evaluation of the therapeutic effect of *Calendula officinalis* gel on oral mucositis induced by chemotherapy in hamster
64. The effect 8 weeks running and supplement calcium on strength of bone femur in ovariectomized rats
65. Long-term exercise and soymilk supplement on strength of femur and estrogen hormones before and during menopause
66. The effect of 8 weeks' exercises and estrogen supplementation on satellite cell in Sprague dawly rats
67. The effect of diclophenac on tendon healing an experimental study on guinea pigs
68. Study on difficulties of liver transplantation in dogs
69. Analytical study on improvement of new procedure vaccines.
70. Detection of LD50 *Pesudomonas aeroginosa* and immunity of mice after heated *P. aeroginosa*.
71. Gentamycin hydrogel nanoparticles preparation and evaluation.



# International Collaborations

[https://isid.research.ac.ir/Nader\\_Tanideh#paper\\_international-0](https://isid.research.ac.ir/Nader_Tanideh#paper_international-0)



Nader Tanideh  
Professor of Pharmacology  
Shiraz University of Medical Sciences

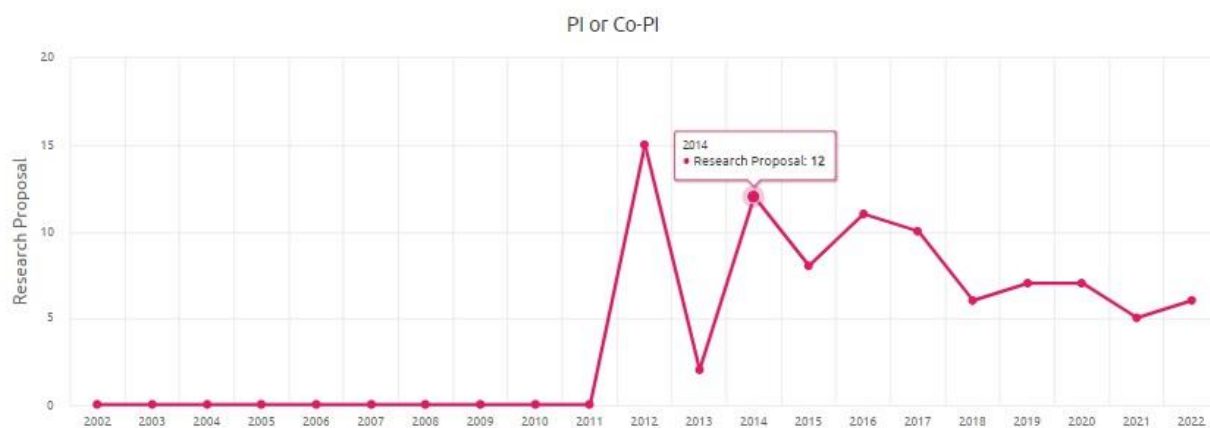


Overview Papers Research Proposals International Co-Authors

Current Year Stat: OFF

## Research Proposals Trend Approved

PI or Co-PI PI Co-PI Referee Observer



## International Collaborations Co-Authors:

1. Samad Ahadian from Terasaki Institute for Biomedical Innovation (TIBI), Los Angeles, CA, United States  
**Topic of Cooperation** : Tissue Engineering Current Status and Challenges Chapter 23 - Translational tissue engineering 2022, Pages 557-573  
<https://doi.org/10.1016/B978-0-12-824064-9.00023-X>
2. Rano Zhankina from Astana Medical University: Astana medical university  
**Topic of Cooperation:** Mesenchymal stromal/stem cells and their exosomes for restoration of spermatogenesis in non-obstructive azoospermia: a systemic review-2021  
<https://doi.org/10.1186/s13287-021-02295-9>
3. Andy Baldwin from Institute for Materials Research & Innovation (IMRI), School of Engineering, University of Bolton, Deane Road, Bolton BL3 5AB, United Kingdom  
**Topic of Cooperation:** Crosslinked porous three-dimensional cellulose nanofibers-gelatine biocomposite scaffolds for tissue regeneration-2020  
<https://doi.org/10.1016/j.ijbiomac.2020.08.066>
4. Rajendran Muthuraj from Worn Again Technologies Ltd, Biocity, Nottingham, UK  
**Topic of Cooperation:** Electrospun poly(3-hydroxybutyrate)/chicken feather-derived keratin scaffolds: Fabrication, in vitro and in vivo biocompatibility evaluation-2020  
<https://doi.org/10.1177/0885328219873090>
5. M Ali Saghiri from Rutgers Dental School | Philips | University of the Pacific  
**Topic of Cooperation:** Subcutaneous Connective Tissue Reactions to Various Endodontic Biomaterials: An Animal Study  
doi: 10.5681/joddd.2013.003
6. Pouyan Mehryar from Institute of Design, Robotics and Optimisation, School of Mechanical Engineering, University of Leeds, Leeds, UK

**Topic of Cooperation:** Preparation and performance evaluation of electrospun poly(3-hydroxybutyrate) composite scaffolds as a potential hard tissue engineering application-2019

<https://doi.org/10.1177/088391151987598>

7. Nader Sheibani from Departments of Ophthalmology & Visual Sciences and Biomedical Engineering, University of Wisconsin School of Medicine and Public health, Madison, WI USA

**Topic of Cooperation:** Effect of endodontic cement on bone mineral density using serial dual-energy x-ray absorptiometry-2014

DOI: 10.1016/j.joen.2013.11.025

8. Franklin Garcia-Godoy from Bioscience Research Center, College of Dentistry, University of Tennessee Health Science Center, Memphis, Tennessee

**Topic of Cooperation:** Healing acceleration in hamsters of oral mucositis induced by 5-fluorouracil with topical Calendula officinalis-2012

doi: 10.1016/j.joooo.2012.08.450

9. Moein Zarei from Department of Polymer and Biomaterials Science, Western Pomeranian University of Technology, Szczecin, Al. Piastow 45, 71-311, Szczecin, Poland

**Topic of Cooperation:** Incorporation of curcumin into collagen-multiwalled carbon nanotubes nanocomposite scaffold: an in vitro and in vivo study-2022

<https://doi.org/10.1016/j.jmrt.2022.11.022>

10. Bart Lubberts from Physician Investigator at Vertex Pharmaceuticals Boston, Massachusetts, United States

**Topic of Cooperation:** The protective effects of grape seed oil on induced osteoarthritis of the knee in male rat models-2020

<https://doi.org/10.1016/j.jmrt.2022.11.022>

11. Soheil Ashkani-Esfahani from Department of Orthopaedic Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, USA  
**Topic of Cooperation:** Therapeutic effects of stem cells in different body systems, a novel method that is yet to gain trust: A comprehensive review  
doi: 10.17305/bjbms.2021.5508
  
12. Reza Shirazi from Department of Anatomy, School of Medical Sciences, Medicine, UNSW Sydney, Sydney, Australia  
**Topic of Cooperation:** Stem Cell-Derived Exosome Therapy of Microbial Diseases: From Bench to Bed. Frontiers in Microbiology
  
13. Daniel Guss from Department of Orthopaedic Surgery, Newton-Wellesley Hospital Harvard Medical School  
**Topic of Cooperation:** Conditioned Medium of Mesenchymal Stem Cells Prevents Degenerative Changes in Ankle Osteoarthritis in Rat Models-2022  
<https://doi.org/10.1177/2473011421S00221>

## Research Projects

1. Subject: Evaluation of bone defect regeneration in male rabbit mandible using HA/TCP/collagen composite scaffold designed with 3D printer and loaded with rabbit dental pulp-derived mesenchymal stem cells  
Sponsor: Shiraz University of Medical Sciences  
Year: 2020  
Grant amount: 500.000.000 Rials  
Achievements: Submission of Article
2. Subject: Benign prostatic hyperplasia treatment using plasmonic nanoparticles irradiated by laser in a rat model  
Year: 2020  
Grant amount: 100.000.000 Rials  
Achievements: Published Article <https://doi.org/10.1016/j.biopha.2020.110118>
3. Subject: Mechanical, physicochemical and biological evaluation of an injectable self-healing Alginate-Gelatin-Nanohydroxyapatite hydrogel for elevation of the maxillary sinus floor in male rabbits In-vitro and in-vivo study  
Year: 2020  
Grant amount: 150.000.000 Rials  
Achievements: Preparation Draft of Article
4. Subject: Evaluation of Whartons Jelly Mesenchymal Stem Cells and Dexamethasone loaded on Nano-Hydroxyapatite Collagen Scaffold on induced Mandibular Bone defect healing in Male Rat  
Year: 2020  
Grant amount: 150.000.000 Rials  
Achievements: Thesis defended by the pharmacy student, Preparation Draft of Article
5. Subject: Evaluation of the healing effect of resveratrol with autologous chondrocytes on induced cartilage defect in the knee joint of male rat

Year: 2022

Grant amount: 150.000.000 Rials

Achievements: Thesis defended by the pharmacy student, Preparation Draft of Article

6. Subject: Evaluating the healing effects of hyaluronic acid and simvastatin with synovium-derived stem cells and secretome on induced ankle osteoarthritis in male rat models

Year: 2020

Grant amount: 100.000.000 Rials

Achievements: Thesis defended by the pharmacy student, Preparation Draft of Article

7. Subject: Evaluating the healing effects of hyaluronic acid and rosuvastatin with synovium-derived stem cells and secretome on induced ankle osteoarthritis in male rat models

Year: 2020

Grant amount: 100.000.000 Rials

Achievements: Thesis defended by the pharmacy student, Preparation Draft of Article

8. Subject: Increasing the biological properties of Poly(3-hydroxybutyrate) and carbon nanotubes nano-composite scaffold by use of Curcumin and quercetin for tissue engineering applications: in vitro and in vivo study

Year: 2020

Grant amount: 100.000.000 Rials

Achievements: Published Article doi: 10.30476/DENTJODS.2019.77869 as Corresponding Author

9. Subject: IEvaluation of biodegradable gelatin methacryloyl microneedles loaded with L-PRF and A-PRF for wound healing in male rats

Year: 2022

Grant amount: 150.000.000 Rials

Achievements: in process

10. Subject: Structural, mechanical and biological evaluation of poly (lactic-co-glycolic acid) Nano hydroxyapatite curcumin nanocomposite scaffold in male rats In-vitro and in-vivo study  
Year: 2022  
Grant amount: 100.000.000 Rials  
Achievements: In process
  
11. Subject: in-vitro and in-vivo effectiveness of silk nanofiber hydrogel scaffold with carbon nanotube and hydroxyapatite loaded with quercetin and mesenchymal stem cells on mandible bone difect  
Year: 2022  
Grant amount: 150.000.000 Rials  
Achievements: In process
  
12. Subject: Evaluation of bone healing effect of poly lactic-co-glycolic acid scaffold incorporated with nano-hydroxyapatite and curcumin loaded with fat pad mesenchymal stem cells on induced mandibular bone defect in male rat  
Year: 2022  
Grant amount: 100.000.000 Rials  
Achievements: In process
  
13. Subject: Comparative clinical study of the effectivness of bone hemostatic biopolymer material versus commercially available bone wax in Rabbit Cortical-Tibial defect model  
Year: 2022  
Grant amount: 100.000.000 Rials  
Achievements: In process
  
14. Subject: Evaluation of Bone healing of dental pulp stem cells and Hesperidin loaded on Gelatin Poly lactic acid scaffold containing Nono hydroxyapatite on induced mandibular bone defect in male rat  
Year: 2022  
Grant amount: 100.000.000 Rials

Achievements: In process

15. Subject: Evaluation of Bone healing of dental pulp stem cells and Fucoidan loaded on Poly lactic acid scaffold containing Nono hydroxyapatite on induced mandibular bone defect in male rat

Year: 2022

Grant amount: 100.000.000 Rials

Achievements: In process

16. Subject: Evaluation of biocompatibility of Ostrich egg shell membrane as a biologic scaffold in male rat

Year: 2022

Grant amount: 100.000.000 Rials

Achievements: Preparation Draft of Article

17. Subject: Evaluation of biodegradable gelatin methacryloyl microneedles loaded with L-PRF and A-PRF for wound healing in male rats

Year: 2022

Grant amount: 100.000.000 Rials

Achievements: Preparation Draft of Article

18. Subject: Effects of the Hydroalcoholic Extract of the Psidium guajava Fruit on Osteoporosis Prevention in Ovariectomized Rats

Year: 2018

Grant amount: 100.000.000 Rials

Achievements: Thesis defended by the Nutrition MSc student, Published Article

19. Subject: The protective effects of grape seed oil on induced osteoarthritis of the knee in male rat models

Year: 2020

Grant amount: 100.000.000 Rials



Achievements: Thesis defended by the pharmacy student, Published Article

<https://doi.org/10.1186/s13018-020-01932-y>

20. Subject: The effect of hydroalcoholic extract of Bushehr coast black brittle star on repair of induced circular skin wound in male rats

Year: 2020

Grant amount: 100.000.000 Rials

Achievements: Thesis defended by the Medicine student, Under Review Article in Marin Drugs Journal

21. Subject: Evaluation of the effect of crude saponin and fatty acid extract of *Holothuria leucospilota* on skin wound healing in male rats

Year: 2022

Grant amount: 100.000.000 Rials

Achievements: Thesis defended by the Medicine student, Preparation draft of Article

22. Subject: Quantitative and histological evaluation of constituents of the decellularized rat uterus using SDS and SLES as a biologic scaffold

Year: 2020

Grant amount: 100.000.000 Rials

Achievements: Thesis defended by the Medicine student, Under Review Article in Cell and Tissue Banking

23. Subject: Confocal microscopic and histological evaluation of decellularized rat stomach using SDS and SLES as a biologic scaffold

Year: 2020

Grant amount: 100.000.000 Rials

Achievements: Thesis defended by the Medicine student, Preparation Draft of Article

24. Subject: Confocal microscopic and histological evaluation of decellularized rat Skin using SDS and SLES as a biologic scaffold

Year: 2020

Grant amount: 100.000.000 Rials

Achievements: Thesis defended by the Medicine student, Preparation Draft of Article

25. Subject: The effect of hydroalcoholic extract of *Psidium guajava* L. on experimentally induced oral mucosal wound in rat

Year: 2022

Grant amount: 100.000.000 Rials

Achievements: Thesis defended by The Pediatric Dentistry Resident student, Published Article

<https://doi.org/10.1186/s12906-022-03655-5>

26. Subject: Effect of topical 2% eucalyptus extract on 5-fu-induced oral mucositis in male golden hamsters

Year: 2020

Grant amount: 50.000.000 Rials

Achievements: Thesis defended by The Dentistry Medicine student, Published Article

<https://doi.org/10.1590/0103-6440202003140>

27. Subject: Protection by pure and genistein fortified extra virgin olive oil, canola oil, and rice bran oil against acetic acid-induced ulcerative colitis in rats

Year: 2020

Grant amount: 50.000.000 Rials

Achievements: Published Article DOI: 10.1039/C9FO01951K