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Education:

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Research Interests:

1. Skin, tendon, ligament, cartilage and bone healing
2. Tissue engineering and regenerative medicine
3. Diagnostic Veterinary Pathology

1. Publication

- 1 Shasttiri A, Moridi M, Safari A, Abbas Raza SH, Ghaderi-Zefrehei M, Houshmand M, **Oryan A**, Sanati MH, Smith J, Amjadi M (2021). Following the trace of HVS II mitochondrial region within the nine Iranian ethnic groups based on genetic population analysis, *Biochemical genetics*, doi: 10.1007/s10528-021-10141-z, In Press.
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- 5 Bahrami S, **Oryan A** and Bemani E (2021). Efficacy of amiodarone and voriconazole combination therapy in cutaneous leishmaniasis in the mice experimentally infected with *Leishmania major*. *Journal of Infection and Chemotherapy*, 27:984-990.
- 6 **Oryan A**, Hassanajili S and Sahvieh S (2021). Effectiveness of a biodegradable 3D polylactic acid/poly (ϵ -caprolactone)/hydroxyapatite scaffold loaded by differentiated osteogenic cells in a critical-sized radius bone. *Journal of Tissue Engineering and Regenerative Medicine*, 15: 150-162.
- 7 Sahvieh S, **Oryan A**, Hassanajili S and Kamali A (2021). Role of bone stem cell-seeded 3D polylactic acid/polycaprolactone/hydroxyapatite scaffold on a critical-sized radial bone defect in rat. *Cell and Tissue Research*, 383: 735-750.
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- 13 Nikahval B, **Oryan A**, Memarian P and Kamali A (2020). Use of ovine acellular peritoneal matrix combined with honey and ovine fetal skin extract in healing of full-thickness infected burn wounds in a rat model. *Veterinary Research Forum*, 11: 355-363.
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4. Supervisor of the DVM, MSc, MPH and PhD thesis and dissertations

4.1. Supervisor of the DVM Thesis

1. Dalimi-asl A. H. (1984). An investigation on the prevalence of *Cysticercus bovis* in cattle slaughtered in Shiraz Meat Complex
2. Sadjjadi S. M. (1985). Histopathology of liver and portal lymph nodes of cattle infested with *Fasciola sp* in Shiraz
3. Asasi K. (1985). Probable relationship between histopathology of kidneys and liver distomatosis due to fascioliasis in cattle
4. Levy T. M. (1987). The effects of heparin and urogastrone on the repair of a collagenase induced tendon injury in rabbits
5. Ebrahimi M. (1990). Investigation of lung worms infestation and their pathological effects in sheep in Shiraz Slaughter houses
6. Hanifehpour M. R. (1991). Diagnosis and differentiation of the liver and lungs parasites and their pathological lesions in camel of the Shiraz area
7. Moazeni M. (1991). Histopathological studies on avian infectious bronchitis
8. Peyghan R. (1991). The influence of mobilization on tendon healing in rabbit
9. Devazdahemami M.R. (1991). The effects of Phenytoin Sodium on fracture healing of the tibia in rat
10. Abrishami A. (1991). The effects of Phenytoin Sodium on cutaneous wound healing
11. Pourmirzaei H. (1991). Macroscopic and microscopic studies of the camel placenta
12. Hoseininazhvani A. (1991). The effects of electrical stimulation on repair of an experimental tendon injury in rabbit
13. Zaker R. (1991). Experimental skin wound healing by topical application of honey
14. Jafari R.A. (1992). Studies on certain aspects of abomasal worms of one humped camels (*Camelus dromedarius*)
15. Razavi-dinani S.M. (1992). A study of macroscopic and microscopic lesions of the kidneys of sheep in Fars Industrial Meat Complex
16. Doumari H. (1992). Serodiagnosis of Surra in camels of Jiroft and Kahnooj, South East of Iran
17. Shoushtari-mohamerah A. a. (1993). Age affected tendon morphogenesis in rabbit
18. Yahyaei M. (1994). Histopathological survey of experimental coccidiosis of turkey poults treated with Zoamix comparing with those of control
19. Delavar H. (1994). Experimental infection of calves with *Cysticercus bovis*
20. Malakootikhah A. A. (1994). Pathological study of Johne's Disease in sheep slaughtered at the Fars Industrial Meat Complex Abattoir
21. Ghanbarnezhad G. (1994). Experimental infection of *Taenia saginata* and *Cysticercus bovis* in laboratory animals
22. Shahriari R. (1996). A study on the blood biochemical deviations due to *Cysticercus bovis* (*Taenia saginata* larvae)

23. Mohebhi H. (1996). Histopathological and Para clinical studies of besnoitiosis in goats
24. Morganazghadi N. (1997). Pathology of testes and epididymis in slaughtered goats in Shiraz
25. Rezaei M. (1997). Study on the prevalence of *Linguatula serrata* in stray dogs and goats in Shiraz, Iran
26. Toloo N (1998). Synthesis of 4-chloro-2, 6,- bis (2- hydroxyl- α -tolyl) phenol and studying its antimicrobial effects and its influence on cutaneous wound healing in rat
27. Kafiri A. (1999). A study on the pathologic lesions of the tongue, esophagus, rumen, reticulum, and abomasum in camel
28. Azizi S. (1999). Histopathological and ultrastructural studies of besnoitiosis in goats
29. Gorjian-bahmanyari E. (2008). Effects of Aloe Vera on experimental cutaneous wound healing in rat
30. Abadi A. R. (2008). Effects of oeluropin on experimental cutaneous wound healing in rat
31. Moshiri A. (2009). Comparative study of the healing pattern of the acute and chronic injuries following surgical full thickness sectioning of the superficial flexor tendon by biologic and biotechnologic products in rabbit
32. Mohammadalipour-malekshah A. (2011). Experimental study on the effects of medicinal compound Sylimarin on cutaneous wounds in a rat model
33. Hatamishahmarvandi M. R. ((2012). Histopathological and macroscopical evaluation of the amniotic membrane and fetal articular cartilage effect on wound healing in a rat model
34. Amini L. (2014). Gross and histopathologic changes of kidneys of goats slaughtered in Shiraz Slaughterhouse and their correlation with bacterial agents
35. Sharifi P. (2014). Evaluating the effects of biodegradable and biocompatible collagenous and fibrinous bio-implants on acute ruptures and defects of the Achilles tendon in rabbit
36. Doustmohammadi S. (2014). Molecular, histopathological and cytological study of bovine tuberculosis in suspected cattle in the Fars Province, Iran
37. Zendeboodi M. (2017). Synergistic effects of *Bacillus coagulans* and Inulin on immune factors and growth process of the breast cancer in BALB/c mice
38. Jalili M. (2017). Wound healing in a cutaneous burn wound model, using bio-scaffolds, hydrogels and probiotic microorganisms: an experimental study in rat
39. Salarian P. (2021). Evaluation of the effects of intra-articular injection of ostrich, fish, oleaster and fenugreek seed oils for osteoarthritis induced by monosodium iodoacetate in rat

4.2. Supervisor of the MPH and MSc thesis

1. Jabbarpour S. (1998). A study on the prevalence of zoonotic cestode parasites of stray cats in Shiraz, Iran (for MPH degree)
2. Mehrabani D. (1998). The prevalence of helminthic parasites and their pathologic changes in stray dogs in Shiraz, Southern Iran and their public health importance (for MPH degree)
3. Karamipour A. (2018). Preparation and *in vitro* study of bone scaffold by indirect three-dimensional printing (for MSc degree)

4.3. Supervisor of the PhD Dissertation

1. Tabatabai-naeini A. (1992). An experimental study on the effects of the Phenytoin and electrical stimulation on the healing process of superficial and deep cutaneous wounds in rabbits
2. Meimandiparizi A.H. (1992). To study the effects of electrical stimulation and phenytoin on the experimental fracture healing of tibia in rabbits
3. Sarrafzadeh-Rezaie F. (1993). The effects of electrical stimulation and phenytoin on the experimentally induced tendon injuries in rabbits
4. Saeidinasab H. (1999). Investigation on the effects of bone marrow administration on bone healing and its comparison with the bone graft in rabbit
5. Kasraei R. (2000). Study of the histopathologic effects of bone marrow administration on wound healing and its comparison with bone the bone marrow graft in rabbit
6. Mehrabani D. (2007). Study of histopathological and ultrastructural lesions of cutaneous leishmaniasis in rodent reservoir hosts in Fars Province and characterization of the parasite by PCR and isoenzyme methods
7. Azizi S. (2007). Pathology of *Toxocara cati* larval migrans in the experimentally infected chickens and effects of Benzimidazoles on the larvae
8. Namazi F. (2010). Investigation of histopathologic, serologic, biochemical and molecular of experimental besnoitiosis in goat

9. Ahmadi N. (2011). Infectious pancreatic necrosis in cultured rainbow trout in Fars Province: A histopathological, immunohistochemical and Nested-PCR studies
10. Shirian-shalamzari S. (2012). Comparison of histopathological, cytological, immunohistochemical and molecular methods in detection of different native causative agents of cutaneous and mucocutaneous leishmaniasis isolated from patients in Fars Province based on genetic diversity
11. Moshiri A. (2013). Design, fabrication and application of new methods of tissue engineering in the healing of tendon defects after surgical intervention by using nano-biotechnologic bioimplants, stem cells and biologic compounds
12. Mosadegh M. (2015). Histopathological and molecular studies on the occurrence of Pox, Contagious ecthyma and bovine viral diarrhea in camels (*Camelus dromedarius*) in Iran
13. Sadoughifar R. (2015). Pathologic and molecular study of *Besnoitia caprae* in laboratory animals and embryonated eggs
14. Amrabadi O. (2015). Histopathological and molecular evaluation of the experimentally infected goats and laboratory animal models with the larval forms of *Taenia multiceps multiceps* and *Taenia multiceps gaigeri*
15. Haddadi S. (2015). The role of tissue engineering on healing of the experimentally induced bone defects in radius of rabbit
16. Akbari M. (2016). Comparison of morphologic, morphometric and molecular characteristics of *Taenia multiceps multiceps* and *Taenia multiceps gaigeri* and their metacestodes
17. Monazah-Harsini S. (2016). Application of tissue engineering in experimental fracture healing of radius in rat
18. Alidadi S. (2017). Application of biocompatible and biodegradable scaffolds and bioactive materials to accelerate healing of experimental bone defect: an animal study
19. Gholipour H. (2017). Application of biocompatible and biodegradable scaffolds with bioactive nano-metals to accelerate healing of experimental bone defect in rat
20. Kamali A. (2018). Recruitment and osteoinduction of mesenchymal stem cells using small molecules and bioactive compounds: an experimental study in rat
21. Alemzadeh E. (2018). Design and application of regenerative medicine based strategies in the healing of experimental cutaneous wound defects after burn injury in rat

22. Bemani E. (2018). Effects of Amiodarone, Voriconazole and Quercetin on cutaneous leishmaniasis caused by *Leishmania major* in BALB/c mice
23. Sayahi E. (2018). Effects of honey bee venom, propolis and Royal jelly in chitosan and demineralized bone matrix scaffolds on the healing of bone defect in male rat
24. Khadir F. (2019). Pathological and immunological evaluation of Rapamycin against *Leishmania major* and *Leishmania tropica*: in vivo and in vitro studies
25. Khajeh A. (2019). Evaluation of the healing of the experimental superficial digital flexor tendon defect using nuchal ligament autograft in equine model
26. Memarian P. (2019). Role of Biological scaffolds on infectious burn wound healing in a rat model
27. Salaran M. (2019). The effects of probiotics on burn wound healing in diabetic rats
28. Sahvieh S. (2020). Role of a biodegradable 3D HA-PLLA-PCL scaffold loaded by MSCs or ZOL/PMA in healing of a critical-size radius defect in rat

5. Co-supervisor of the DVM, MPH, MSc and PhD thesis

5.1. Co-supervisor of the DVM Thesis

1. Soleimani F. (1990). Evaluation of an end-to-end crushing and inverting technique in gastrointestinal surgery in dog
2. Karimizarchi A. A. (1990). A study on Pathogenicity, life cycle and histopathology of five poultry *Eimeria* species following long term maintenance in culture medium
3. Hosseinzadeh S. (1990). The effects of suture patterns on the early wound healing of cattle
4. Nazemi H. R. (1991). Evaluation of postoperative adhesion and peritonitis due to different anti-microbial therapeutic measures
5. Shahriari A. (1992). Macroscopic, microscopic and histopathological studies of major salivary glands of camel (*Camelus dromedareus*)
6. Atri A. (1992). Ultrastructural and biochemical studies on the main salivary glands in the male and female camel
7. Valadan M. (1992). Studies on the relationship between pathological changes and the blood serum values of the enzymes AST, ALT and ALP in the experimental subacute fatty liver syndrome in dairy cows

8. Haraji G. (1993). Studies on the Isoprenaline induced changes in salivary gland and some biochemical parameters of serum and liver of sheep
9. Khorshidian G. (1993). Study of macroscopic and microscopic lesions of sheep pulmonary adenomatosis in Fars Industrial Meat Complex
10. Mehrzad J. (1993). Study of the side effects of the Iranian made Furazolidone in the broilers
11. Zeidabadi G. (1993). Biomechanical and radiographical assessment of the effects of the constant direct current on fracture healing of the radius in rabbit
12. Korfi A. (1994). The effects of dipyrone administration on the hematopoietic cells of the bone marrow
13. Shohrah B. (1994). A histopathological survey on the renal lesions of the chickens submitted to the clinic of Veterinary School, Shiraz University
14. Tavalaei B. (1994). Study on the serum protein changes in cysticercosis due to *Cysticercus bovis* in Shiraz, Iran
15. Aarefi-ivari M. (1993). Radiographic assessment of the effects of electrical stimulation on the fracture healing of the radius of rabbit
16. Ismaeilzadeh S. (1994). Study of immune complex mediated renal injuries in cattle by indirect immunoperoxidase method
17. Darahshiri A. J. (1994). Histopathological findings in uterus of cows slaughtered in Fars Slaughter House
18. Sirus S. (1994). Histopathological study of pancreatic changes after ten different plants administration in the alloxan-induced diabetic rats
19. Farrokhnia M. (1994). `A comparative survey on the clinical and Para clinical signs of the experimental coccidiosis in turkey poultz inoculated with different doses of *Eimeria adenoeides*
20. Karima M. R. (1995). Pathological study of the ascites syndrome in the broiler chickens
21. Jalilian M. (1995). Histopathological study of the pancreatic changes after walnut leaf extracts administration in the alloxan-induced diabetic rats
22. Ansari H. (1995). Endoscopic, radiographic and histopathologic study of the effects of two types of suture materials on esophageal healing
23. Safari-dehaghani A. (1995). Treatment of skin lesions by autogenous skin transplant using ears' skin in dog
24. Dehghani H. (1995). Application of the bone staple for tibial fracture fixation and its comparison with bone plate and intramedullary pin in rabbits
25. Ismaeilpour H. (1996). The effects of Cimetidine on the liver necrosis induced by acetaminophen toxicity in rats
26. Mahjour A. (1996). A slaughterhouse survey of pathological lesions in the lungs of goats
27. Mehrabi J. (1997). Electron microscopic study of the major salivary glands in buffalo (*Bubalus bubalis*)

28. Mousavinezhad S. B. (1997). Study of the histopathologic of the radius lesions and head of the femur in the lameness of in chickens
29. Yousefi S. (1997). Comparison of the morphologic and histochemical changes in the salivary glands of mice before and after Dobutamine and terbutaline administration
30. Goudarzidehrizi H. (1997). Pathological (macroscopic and microscopic) study of hepatic lesions in sheep
31. Barati A. R. (1997). The effects of Cimetidine in kidney injury included by acetaminophen toxicity in rat
32. Mozafari A. A. (1999). Study of the pathologic lesions of the small and large intestines in camel
33. Toosinezhad M. (2007). The effects of *Glycyrrhiza glabra* on experimental cutaneous wound healing in rat
34. Hematian A. (2007). Study of the ovine pulmonary carcinoma lesions by transmission electron microscopy
35. Davari A. (2008). Gross and histopathologic lesions of genital system in the Fars Province non-pregnant sheep
36. Khordadmehr M. (2008). Macroscopic and histopathologic lesions in skin and its appendages in camel
37. Amiri F. (2011). Macroscopic and histopathologic lesions of abomasum slaughtered at Shira Slaughterhouse
38. Evaz-zadeh S. M. (2011). Experimental study of clinical and pathological side effects of long-term use of *Fumaria parviflora* extract in rats
39. Homafar L. (2012). The healing effects of *Elaeagnus angustifolia* extract on acetic acid-induced ulcerative colitis in rat
40. Sadeghinezhad H. (2012). Nervous tissue regeneration in the muscles of abdominal cavity and peritoneum of rat by inoculation the brain tissue of the embryonal calf: a histopathologic study
41. Basiri E. (2012). Tissue engineering of bone with periosteum and mesenchymal stem cells in greater omentum in a dog animal model
42. Heidari M. (2013). The relationship between the type of ovarian cysts and endometritis in Holstein dairy cows
43. Zarei-kordshouli F. (2013). The surveillance effects of total methanolic extract of *Zataria multiflora* and *Rhus coriaria* on the germinal layer of hydatid cyst in the liver of sheep
44. Karimi-ghahfarrokhi E. (2014). Healing of tendon injury with *Eisenia foetida* earthworm extract (G-90) in rabbit model: biomechanical and histopathological evaluation
45. Montazeri-balajadeh S. ((2016). Healing of bone defect with platelet rich plasma of rabbit and bovine in a rabbit model
46. Maleki M. (2016). Effects of allogenic and xenogenic cartilage on healing of the bone defect in a rabbit model
47. Alavi Y. (2016). Evaluation of theraekron effects on bone healing in a rabbit model
48. Pakzad A. (2016). Effects of honey and hydroxyapatite on healing of bone defect in a rat model

5.2. -Co-supervisor of the MSc and MPH thesis

1. Jalali A. R. (1997). A study on the prevalence of *Toxocara cati* of stray cats in Shiraz, Iran (for MPH degree)
2. Ershad-langroodi M. (2009). Antioxidant effects of isolated whey and soy proteins on oxidative stress markers in rats with acute liver failure (for MSc degree)
3. Bagheri M. (2014). An investigation on bacterial infection of liver in sheep infected with hydatid cyst and its comparison with the control group (For MSc degree)
4. Hasanvand A. (2015). Immunohistochemical investigation of cancerous ovarian estrogen markers in the mice treated with hydroalcoholic extract of *Salvia officinalis*
5. Sadeghian T. (2016). Study on structure, chaperone activity and allergenicity of peroxynitrite-modified beta-casein of bovine milk (for MSc degree)
6. Sasanmoghadam S. (2016). Study of the role of peroxynitrite and methylglyoxsal on structure, aggregation and functional properties of lens crystalline (for MSc degree)
7. Javadi S. (2016), Effects of canosine and aspirin on structure and aggregation properties of lens proteins in presence of dehydroascorbic acid (for MSc degree)
8. Askari S. (2018). Modelling the dimensions of surgical wounds through the recovery process: the study of laboratory rats
9. Hasanpour Z. (2021). The effects of pre- and postpartum feed restriction on mRNA abundance of hepatic genes related to fat metabolism in fat-tailed ewes (MSc thesis, Yasouj University)
10. Kiani R. (2021). Evaluation of antioxidant, antibacterial and scolicidal properties of extract, essential oil and ZnO nanoparticles biosynthesis by using *Zhumeria Majdae* (MSc thesis, Yasouj University)
11. Shaverdi M. (2021). Evaluation of antioxidant, antibacterial and anti-*giardia* properties of hydroalcoholic extract, essential oil and silver nanoparticles biosynthesized using *Salvia mirzayanii* plant

5.3. Co-supervisor of the PhD dissertations:

1. Nourani H. (2003). Pathological and bacteriological survey on uterine and ovarian lesions in camel (*Camelus dromedarius*)
2. Kheirandish R. (2007). Mycobacterial antigen detection by immunohistochemistry in sheep and goat paratuberculosis
3. Seifory P. (2007). Histopathological and PCR studies as the confirmatory tests of fetal brains of aborted cattle, sheep and goat for diagnosis of neosporosis
4. Shafiei-Jahromi N. (2010). Comparison of different concentrations of Calendula of Ficinalis gel on cutaneous wound healing
5. Hashemnia M. (2011). Pathological, ultrastructural, biochemical and molecular studies of experimental caprine coccidiosis caused by *Eimeria arloingi*
6. Shafiei-Sarvestani Z. (2011). Comparative effects of enriched coral and hydroxyapatite with humal platelet on experimental radial fracture healing in rabbits
7. Bahrami S. (2011). Isoenzymes, antioxidants and ultrastructural alterations in *Leishmania tropica* at different stages
8. Hashemi S. S. (2012). Study of the effects of walnut (*Juglans regia*) leave extract on the development of central nervous system in offspring of diabetic rats
9. Ahmadnia-motlagh S. (2013). Preparation of albendazole sulfoxide loaded solid lipid nanoparticles and assessment of its effect on hydatid cyst
10. Hamidi A. R. (2013). Cutaneous wound healing after topical application of *Pistacia atlantica* gel formulation in rats
11. Rezagholi M. (2013). Survey of equine dental abnormalities in Fars, Isfahan and Bushehr Provinces, Iran
12. Larki S. (2014). Effectiveness of the methanolic extract and distillate of *zataria multiflora* on hydatid cyst in laboratory mice
13. Farjanikish G. (2014). Detection of the bovine viral diarrhea virus by RT-PCR, antigen capture ELISA, IHC and histopathology in cattle
14. Shaterzadeh-Yazdi H. (2015). Comparison of the therapeutic effects of adipose derived mesenchymal stem cells with fibrin glue scaffold and autogenous bone grafting in healing of experimental mandibular defect in rabbit

15. Vajdi N. (2016). Effects of Rosa damascene mill gel on experimental cutaneous wound healing in rat
16. Rafati A. R. (2016). Immunohistochemical evaluation of HCA2 receptor density in femoral epiphysis and metaphysis of glucocorticoid-induced osteoporotic rats with or without Niacin administration
17. Zarei-kordshouli F. (2018). A comparative survey on pathological and molecular characteristics of Crohn's Disease and Johne's Disease
- 18 Ahmadi M. (2019). Protective effects of Zataria multiflora essential oil on spatial memory as well as serum parameters in rats with experimental Alzheimer
19. Afsahhejri S. J. (2019). Histopathological studies of the Copper poisoning in sheep and evaluation of concentration and correlation among serum Copper and Molybdenum with Copper concentration of wool and different tissues in the Copper poisoned sheep at different seasons around Khatoonabad Copper industrial, Kerman province
20. Mohammadpour H. (2020). Pathologic studies of Copper poisoning in goats and evaluation of concentration and correlation among Copper and Molybdenum and Sulfur content in water, soil, plants and hair and serum of goats at different distances from the Copper industries in Khatoonabad, Kerman province
21. Karimi-Ghahfarrokhi E. (2021). Healing of long bone defects by induced membrane technique (masquelet) in association with biological agents in rabbit

6. Publication of book chapters

1. Nanostructures Role Medicine, Mohamadreza Baghaban-Eslaminejad, Ahmad Oryan, Amir Kamali, Ali Moshiri, The Role of Nanomedicine, Nanotechnology, and Nanostructures on Oral Bone Healing, Modeling and remodeling, 2017, Elsevier.
2. Recent Clinical Techniques, Results, and Research in Wounds, Ahmad Oryan, Esmat Alemzadeh, Potential Mechanisms and Application of Honeybee Products in Wound Management, 2017, Springer.

3. Bone Regeneration, Ahmad Oryan and Soodeh Alidadi, Application of Bioceramics in orthopedics and Bone Tissue Engineering, 2017, Avidscience.
4. Application of xenograft in bone healing, Ahmad Oryan, Amin Bigham Sadegh, Somayeh Monazzah Harsini, 2019, LAP LaMBERT Academic Publishing.

7. Translation of books from English to Persian

1. Camel Diseases
By Vashishta M. S. and Sharma R. P. , translated in 1983
2. General Veterinary Pathology
By R. G. Thomson, translated in 1386
3. Congenital Abnormalities
Stanley M. DENIS, translated in 1997
4. Necropsy: Procedures and Basic Diagnostic Methods for practicing Veterinarians
By Albert C. Strafuss, translated in 1994
5. Electron Microscopy in Biology: a practical approach
Edited by Robbin Harris, translated in 2001

8. National research projects

1. Prevalence, hematologic, histopathologic and ultrastructural deviations in besnoitiosis disease in goats in Southern provinces of Iran, from 2008 to 2012
2. Design, manufacture, fabrication and application of novel tissue engineering methods in healing of post surgical tendon defects, using nanobiotechnologic bioimplants, stem cells and biologic materials, from 2010 to 2012
3. Heling of a full thickness tedon, using biological and biotechnological drugs in rabbit, from 2011 to 2013
4. *In vivo* preclinical study of the biologic and synthetic biodegradable implants in healing of bone and skin tissues in an animal model, from 2017 to 2018

9. Gene Mapping

No.	Title of the invention	Authors	Date
1	Taenia multiceps gaigeri strain Fars 88 NADH dehydrogenase subunit 1 gene, partial cds; mitochondrial	Oryan,A., Nazifi,S., Sharifiyazdi,H. and Ahmadnia,S	2016
2	Taenia multiceps gaigeri strain Fars 88 cytochrome oxidase subunit I gene, partial cds; mitochondrial	Oryan,A., Nazifi,S., Sharifiyazdi,H. and Ahmadnia,S.	2016
3	Taenia multiceps strain Shiraz-H cytochrome c oxidase subunit 1 gene, partial cds; mitochondrial	Taenia multiceps strain Shiraz-H cytochrome c oxidase subunit 1 gene, partial cds; mitochondrial	2015

4	Taenia multiceps strain Shiraz-A cytochrome c oxidase subunit 1 gene, partial cds; mitochondrial	Oryan,A., Moazeni,M., Amrabadi,O., Akbari,M. and Sharifiyazdi,H.	2015
5	Taenia multiceps strain Fars 94 cytochrome c oxidase subunit 1 gene, partial cds; mitochondrial	Oryan,A., Moazeni,M., Amrabadi,O., Akbari,M. and Sharifiyazdi,H.	2015
6	Taenia multiceps strain Shiraz-H NADH dehydrogenase subunit 1 gene, partial cds; mitochondrial	Oryan,A., Moazeni,M., Amrabadi,O., Akbari,M. and Sharifiyazdi,H.	2015
7	Taenia multiceps strain Shiraz-A NADH dehydrogenase subunit 1 gene, partial cds; mitochondrial	Oryan,A., Moazeni,M., Amrabadi,O., Akbari,M. and Sharifiyazdi,H.	2015
8	Taenia multiceps strain Fars 94 NADH dehydrogenase subunit 1 gene, partial cds; mitochondrial	Oryan,A., Moazeni,M., Amrabadi,O., Akbari,M. and Sharifiyazdi,H.	2015
9	Echinococcus granulosus strain Fars 93 cytochrome c oxidase subunit 1 (CO1) gene, partial cds; mitochondrial	Moazeni,M., Oryan,A., Sharifiyazdi,H., Amrabadi,O. and Akbari,M.	2017
10	Uncultured Coxiella sp. clone ILEcom1 27 kDa outer membrane protein (com1) gene, partial cds	Hosseinzadeh,S., Khalaatbari,S., Taghadosi,V., Moadeli,A. and Oryan,A.	2017
11	Echinococcus granulosus strain camel B NADH dehydrogenase subunit 1 (ND1) gene, partial cds; mitochondrial	Sharifiyazdi,H., Oryan,A., Ahmadnia,S. and Valinezhad,A.	2016

12	Echinococcus granulosus strain camel A NADH dehydrogenase subunit 1 (ND1) gene, partial cds; mitochondrial	Sharifiyazdi,H., Oryan,A., Ahmadnia,S. and Valinezhad,A.	2016
13	Infectious pancreatic necrosis virus isolate IRFIPN07 polyprotein gene, partial cds	Ahmadi,N., Akhlaghi,M., Oryan,A. and Hosseini,A.	2016
14	Echinococcus granulosus strain camel B cytochrome c oxidase subunit I gene, partial cds; mitochondrial	Sharifiyazdi,H., Oryan,A., Ahmadnia,S. and Valinezhad,A.	2016
15	Echinococcus granulosus strain camel A cytochrome c oxidase subunit I gene, partial cds; mitochondrial	Sharifiyazdi,H., Oryan,A., Ahmadnia,S. and Valinezhad,A.	2016
16	Taenia multiceps strain M enolase gene, partial cds	Amrabadi,O., Oryan,A., Moazeni,M., Sharifiyazdi,H. and Akbari,M.	2016
17	Taenia multiceps strain B enolase gene, partial cds	Amrabadi,O., Oryan,A., Moazeni,M., Sharifiyazdi,H. and Akbari,M.	2016
18	Taenia multiceps isolate M cytochrome c oxidase subunit 1 (CO1) gene, partial cds; mitochondrial	Akbari,M., Moazeni,M., Oryan,A., Sharifiyazdi,H. and Amrabadi,O.	2015
19	Taenia multiceps isolate B cytochrome c oxidase subunit 1 (CO1) gene, partial cds; mitochondrial	Akbari,M., Moazeni,M., Oryan,A., Sharifiyazdi,H. and Amrabadi,O.	2015

20	Taenia multiceps isolate M NADH dehydrogenase subunit 1 (ND1) gene, partial cds; mitochondrial	Akbari,M., Moazeni,M., Oryan,A., Sharifiyazdi,H. and Amrabadi,O.	2015
21	Taenia multiceps isolate B NADH dehydrogenase subunit 1 (ND1) gene, partial cds; mitochondrial	Akbari,M., Moazeni,M., Oryan,A., Sharifiyazdi,H. and Amrabadi,O.	2015
22	Taenia multiceps strain Fars 93 cytochrome oxidase subunit I (CO1) gene, partial cds; mitochondrial	Oryan,A., Amrabadi,O., Sharifiyazdi,H., Moazeni,M. and Akbari,M.	2015
23	Sarcocystis cruzi isolate 102 18S ribosomal RNA gene, partial sequence	Hajimohammadi,B., Dehghani,A., Moghadam Ahmadi,M., Eslami,G., Oryan,A. and Khamesipour,A.	2015
24	Linguatula serrata isolate Yazd-6 18S ribosomal RNA gene, partial sequence	Hajimohammadi,B., Khalatbari-Limaki,S., Oryan,A., Gholamrezaei,M. and Eslami,G.	2014
25	Theileria annulata isolate mutant 2 cytochrome b gene, partial cds; mitochondrial	Sharifiyazdi,H., Namazi,F., Oryan,A., Shahriari,R. and Razavi,M.	2012
26	Theileria annulata isolate mutant 1 cytochrome b gene, partial cds; mitochondrial	Sharifiyazdi,H., Namazi,F., Oryan,A., Shahriari,R. and Razavi,M.	2012

27	Theileria annulata cytochrome b gene, partial cds; mitochondrial	Sharifiyazdi,H., Namazi,F., Oryan,A., Shahriari,R. and Razavi,M.	2012
28	Sarcocystis fusiformis strain Ahvaz1 18S ribosomal RNA gene, partial sequence	Oryan,A., Sharifiyazdi,H., Khordadmehr,M. and Larki,S.	2012
29	Besnoitia caprae isolate Fars-88 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence	Namazi,F., Oryan,A. and Sharifiyazdi,H.	2011

10. Chief editor, advisory board member or member of editorial board of International Journals

No.	Name of Journal	Responsibility	End membership of	Start membership of	Country
1	Tropical Medicine and Surgery	Editorial Board	current	2011	USA
2	Journal of Sports Medicine and Doping Studies	Editorial Board	-	2011	USA
3	Hard Tissue	Advisory Board	-	2012	England
4	EC Orthopaedics	Advisory Board	-	2010	USA
5	AIMS Medical Science	Editors	-	2014	USA
6	Iranian Journal of Veterinary Research	Editorial Board	-	2001	Iran
7	Iranian South Medical Journal	Editorial Board	-	1995	Iran
8	Open Journal of Animal Sciences	Editorial Board	-	2011	USA

9	International Journal of Orthopaedics	Editorial Board	-	2014	USA
10	Journal of Tissue Science & Engineering	Editorial Board	-	2010	USA

11. Awards

- Selected as the best teaching academic staff in Shiraz University, 1991
- Selected as the third rank in Kharazmi Youth Festival, 2011
- Nine times celebrated top researcher at Shiraz University, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015
- Selected as the best Iranian researcher by Ministry of Sciences and Technology, 2011
- Selected as the exemplary and Distinguished Professor in Iran, 2018
- Two percent scientist of the world, 2019, 2020
- One percent scientist of the world, 2021

12. Professional appointments

- Dean of the Faculty of Veterinary Medicine, Shiraz University from 1989 to 1995
- Head of the Department of Pathobiology from 1996 to 1998
- Head of Shiraz University Publishing Center from 1996 to 1997
- Dean of the School of Graduate Studies, Shiraz University from 1997 to 2000

- Vice Chancellor of Bushehr Persian Gulf University from 2000 to 2005
- Chairman of the Board of Trustee committee of Persian Gulf University, Bushehr from 2013 to 2018
- Chairman of the Board of Trustee committee of Hormozgan University from 2013 to 2018
- Deputy for Research and Technology of Shiraz University from January 2014 to December 2016
- Representative of the Minister in the Board of Trustees of Hafiz Shiraz and Apadana Education Centers in Shiraz since 2013 till date and Dana Yasouj from 2016 to 2019
- Vice Chancellor of Yasouj University from 2017 onwards

13. Establishing of Research Laboratories, new courses, departmentst and Schools

1. Established the tranmission electrone microscopy laboratory in School of Veterinary Medicine, Shiraz University, 1990
2. Established the Central Laboratory of the School of Veterinary Medicine, Shiraz University, 1991
3. Helped in designing and establishment of the Central Laboratory in Hormozgan University
4. Establed the computer and Internet center of the Persian Gulf University, 2002
5. Established the Oil, Gas and Petrochemical school in Persian Gulf University, Bushehr, 2001
6. Established the Art and Archtectural School in Persian Gulf University, Bushehr, 2004
7. Helped in Establishment of the Chemical Engineering School of Hormozgan University, Hormozgan, 2014
8. Established the School of Natural Resources and Forestryin Yasouj University, 2017
9. Established many new courses in Shiraz University, Persian Gulf University, Hormozgan University and Yasouj University
- 10.

14. Member of Academic Societies

1. Member of the Science Society of USA, 1999-2005
2. Member of the Iranian Veterinary Society from 2014 till date
3. Member of the Academy of the Iranian Veterinary Surgery, 2014 till date

15. Teaching experience

- Basic Pathology to the DVM students
- Systemic Pathology to the DVM student
- Autopsy Technics and tissue processing to the DVM Students
- Electron Microscopy to the PhD students
- Surgical Pathology to the PhD students
- Pathology of Parasitic Diseases to the PhD students
- Histotechnic to the PhD student in Pathology
- Oncology to the PhD student in Pathology
- Pathology of the Parasitic Diseases to PhD student in Parasitology

16. Languages

Persian (native)

English (bilingual oral and written fluency)