In the name of God

Name: **Mohammad Mehdi Naderi**
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I- Place:

- **Manager** of center for lab. animals' maintenance and husbandry, Avicenna Research Institute, ACECR, Tehran, Iran.
- **CEO** of Pars Sina Yakhteh Company (PJs)
- **Assistant Professor** of Embryology department, Avicenna Research Institute, ACECR, Tehran, Iran.
- **Strategic Committee Member** of Avicenna Research Institute, ACECR, Tehran, Iran

II- Education:

2006-2011 **PhD** in Small Animal Internal Medicine, Islamic Azad University, Sciences and Researches branch
Average: 17.70

1999-2005 **DVM** in Veterinary Medicine, Veterinary school of Urmia University
Average: 17.14

1998-1999 **Pre University**, Khatam-ol-anbia high school
Average: 19.06

III- Licensure & Certification:

1. Execution of "**The 2nd workshop on conventional surgeries in laboratory mouse"** workshop, Iranian Society of Embryology & Reproductive Biology, Avicenna research institute, Tehran, Iran 2014.
2. Execution of "**The fist workshop on conventional surgeries in laboratory mouse"** workshop, Iranian Society of Embryology & Reproductive Biology, Avicenna research institute, Tehran, Iran 2014.
3. Participation in "**Introduction to the principles of base promotion and academic promotion**" workshop, Avicenna research institute, Tehran, Iran 2013.
4. Participation in national project specialized committee **"Determination of Bioethics priorities"** Avicenna research institute, Tehran, Iran 2014.
5. Execution of "**Acquaintance and Work with Lab. Animals** "training course, Avicenna research institute, Tehran, Iran 2013.
6. Participation in "**Professional Ethics**" training course, University of Science and Culture, Tehran, Iran 2013.
7. Participation in "**The Royan International Twin Congress**" Royan Institute, Tehran, Iran.2013
8. Participation in "**10th International Congress on Obstetrics and Gynecology**" Razi International Conference Center, Tehran, Iran.2013
9. Participation in **"Management of research projects based on PMBOK standard"** training course, Avicenna research institute, Tehran, Iran 2012.
10. Participation in "**SPSS**" training course, Avicenna research institute, Tehran, Iran 2012.
11. Participation in "**PCR** and **Western blot**" training course, Avicenna research institute, Tehran, Iran 2012.
12. Participation and lecture in "**Comparison between efficiencies of techniques used in transgenic animals production** " workshop Avicenna research institute, Tehran, Iran 2011.
13. Participation in "**Internal Audit**" training course, BRS Academy, Tehran, Iran 2010.
14. Participation in "**Strategic Planning**" training course, Avicenna research institute, Tehran, Iran 2010.
15. Participation in "**Production of Pharmaceutical Proteins from Milk of Transgenic Goat**" workshop, Avicenna research institute, Tehran, Iran 2010.
16. Participation in "**Process Management**" training course, Avicenna research institute, Tehran, Iran 2010.
17. Participation in "**Quality Management System**" training course, Avicenna research institute, Tehran, Iran 2009.
18. Participation and lecture in "**Introduction to Immunodeficient Mice**" workshop Avicenna research institute, Tehran, Iran 2009.

19. Participation in "**Ethics in the medicine**" workshop,
    Avicenna research institute, Tehran, Iran 2009.
20. Participation in "**Nude Mice in Researches**" workshop,
    Imam Khomeini Hospital, Tehran, Iran.2009.
21. Participation in "**How to write a research proposal**",
    Avicenna research institute, Tehran, Iran 2009.
22. Participation in "**Infertility and Insurance** "seminar,
    Avicenna research institute and Ministry of Welfare and Social Security, Tehran, Iran 2009.
23. Participation in "**Controversies in ART** "seminar,
    Avicenna research institute, Tehran, Iran 2008.
24. Participation in "**Recent advances in fertility and infertility: Endometriosis**"seminar,
    Avicenna research institute, Tehran, Iran 2008.
25. Participation in "**Writing a Lab Book**" workshop,
    Avicenna research institute, Tehran, Iran 2008.
26. Participation and lecture presentation in "**Biosafety in the Laboratory**",
    Avicenna research institute, Tehran, Iran 2008.
27. Participation in "**How Referee an Article?**",
    Avicenna research institute, Tehran, Iran 2008.
28. Participation in "**The Specialty Workshop on Sheep Cloning**",
    Research Institute of Animal Embryo Technology, Shahrekord University, Shahrekord, Iran.2008.
29. Execution of "**Acquaintance and Work with Lab. Animals** "training course,
    Avicenna research institute, Tehran, Iran 2008.
30. Participation in "**Endnote Software**" training course,
    Avicenna research institute, Tehran, Iran 2008.
31. Participation in "**Gene Delivery**" workshop
    Avicenna research institute, Tehran, Iran 2008.
32. Participation in "**Application of Herbal Medicine at Dermocasmetics** " workshop
    Medical plants Institute, Tehran, Iran.2008
33. Participation in "**Client Management**" workshop,
    Veterinary society, Tehran, Iran,2008
34. Participation in "**Veterinary Ophthalmology**" workshop
    Veterinary society, Tehran, Iran.2006
35. Participation in "**The Royan International Twin Congress**"
    Royan Institute, Tehran, Iran.2006
36. Execution and participation in "**4th Congress of Iranian Clinical Science Veterinarians**",
    Urmia University, Urmia, 2005.

IV- Honors & Achievements:

2016 Selection of the "Production of vitrified-sexed cow embryo" project as "**The selected project**" in 12th National Sheikh-Bahai Technopreneurship Festival, Isfahan, Iran

2015 Selection of the "Production of vitrified-sexed cow embryo" project as "**The selected project**" in iBridge-2015 entrepreneurship festival (Berlin), Tehran, Iran

2015 Selected as "**The best researcher"**, Avicenna Research Institute, ACECR, Tehran, Iran. 2015

2013 Selected as "**The best lecturer"** in training programs of Avicenna Research Institute, ACECR, Tehran, Iran. 2013.

2011 Certificate and award (300$) for **ISO-9001 establishment** in center for lab. animals' maintenance and husbandry, Avicenna Research Institute, ACECR, Tehran, Iran. 2011.

2010 Award (50$) for **ISO-9001 establishment** in center for lab. animals' maintenance and husbandry, Avicenna Research Institute, ACECR, Tehran, Iran. 2011.

2007 Selection of the book as "**The Best Book"** in the 15th annual students' book festival, Receipting Appreciation Plaque from the chief of Iranian ACECR

2006 "**Grade one researcher"** of the science, research and technology ministry at the introduction of the elites program

V- Patents:

2016 **Production of three-dimensional kit of sheep ovarian primordial follicles**
Certificate from Companies Registration and Industrial Property Office. No. 89263

2016 **Production of sheep frozen sperm by vitrification**
Certificate from Companies Registration and Industrial Property Office. No. 88841

2015 **Production of new biopsy needle for embryo at blastocyst stage**.
Certificate from Companies Registration and Industrial Property Office. No. 85421

2014 **Production of vitrified-sexed cattle embryo using FISH method**.
Certificate from Companies Registration and Industrial Property Office. No. 84457.

2010 **Daylight Protecting Blend Special to Difficult Condition**.
Certificate from Companies Registration and Industrial Property Office. No. 63339.

2009 **Multipurpose Natural Composition with Sun Screen, Anti UV Irradiation, Antioxidant and Radical Scavenger Effects**. Certificate from Companies Registration and Industrial Property Office. No. 59719.

VI- Research Activities:

• Finished Projects:

1. Production of transgenic mouse, Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. 2007-2009.
2. Production of cloned mouse, Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. 2007-2009.

• Current Projects:

1. Treatment of cartilage defects using engineered tissue derived from combination of stem cell technology and scaffolds based on silk. Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. Since 2013.
2. Improvement of developmental competence of vitrified-warmed oocytes in cow animal model. Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. Since 2013.
3. Evaluation of engineered tissue's efficacy derived from combination of menstrual blood MSCs, keratinocytes and 3D nanofiber scaffolds. Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. Since 2013.
4. **Three-dimensional culture of primordial follicles isolated from cryopreserved human cortical ovarian tissue with the aim of fertility preservation in cancer patients**. Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. Since 2012.
5. **Epigenetic modifications and quantitative and qualitative alterations of transcripts involved in development of embryos derived from vitrified-warmed ovine oocytes**. Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. Since 2011.
6. **Quality improvement of embryos derived from ovine vitrified-warmed oocytes.** Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. Since 2011.
7. **In vivo evaluation of chondrocytes differentiated from menstrual blood derived stem cells on three-dimensional hydrogel in rabbit defects models**. Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. Since 2011.
8. **Isolation, purification and long term culture of goat spermatogonial stem cells**. Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. Since 2011.
9. **Setting up animal models of cancer immunotherapy**. Monoclonal Antibody Research Center, Avicenna Research Institute, Tehran, Iran. Since 2010.
10. **Production of transgenic goat expressing human antithrombin-III in the milk.** Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. Since 2010.
11. **Production of knockout mouse with targeted deletion of *Rag1* and *Rag2* genes.** Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran. Since 2010.

- ## Peer-reviewing Manuscripts and Projects

1. Induction of Asherman's Syndrome in Rabbit. J Reprod Infertil. 2014.

2. Comparing Protective Effect of Grape Seed Extract versus Atorvastatin on Endometriosis in Rat Model; Evidence for Immunohistochemical and Biochemical Alterations. J Reprod Infertil. 2014.

3. Follicular morphology a nd ultrstracture changes of mouse ovarian tissue after Direct Cover Vitrification: A single and mixed cryoprotectants. J Reprod Infertil. 2014.

4. Evaluation of fragmented blastocysts in pregnant mice exposed to ELF-EMFs. J Reprod Infertil. 2014.

5. The Protective Effect Of Royal Jelly on 1 In vitro fertilization (IVF) And Embryonic 2 Development In Mature Male Rats Treated With Bleomycin. J Reprod Infertil. 2014.

6. Differentiation of Human Umbilical Cord Matrix -Derived Mesenchymal Stem Cells Into Germ-Like Cells. AJMB. 2014.

7. Effects of Arseni 1 c and Vitamin E on Reproductive Functions of Male Rabbit. J Reprod Infertil. 2014.

8. Male pronuclear formation using dog sperm derived from ectopic testicular xenografts, testis, and epididymis after interspecies intracytoplasmic sperm injection. AJMB. 2014.

9. The Study of Anti- Tumor Effect of hAEC Immunization on Induced Colon Adenocarcinoma in Balb/C Mice. Avicenna Research Institute. 2014. (**Project**)

10. Production of fetal calf serum. Avicenna Research Institute. 2013. (**Project**)

11. Fine Structures of the Oocyte in Relation to Serum and Follicular Fluid Steroid Hormones and IGF-I in the Ovulatory-sized Follicles in One-humped Camel (Camelus dromedarius). AJMB. 2013.

12. The effects of cAMP-elevating agents and Alpha lipoic acid on the in vitro maturation of mouse germinal vesicle oocytes. J Reprod Infertil. 2013.

13. Stem cells – shifting somatic to gametic, fixing fertility from infertility. J Reprod Infertil. 2013.

14. A comparative study of vitrification and slow freezing developmental capacity immature sheep oocytes. J Reprod Infertil. 2012.

15. The anti-fertility effects of Acacia nilotica in male Wistar rats. J Reprod Infertil. 2012.

VII- Executive Responsibilities:

1. **Establishment** of Clean room for immunodeficient Rabbits' maintenance and husbandry (Velenjak part), Avicenna Research Institute, ACECR, Tehran, Iran. 2013.

2. **Establishment** of Clean room for immunodeficient Mice maintenance and husbandry (Velenjak part), Avicenna Research Institute, ACECR, Tehran, Iran. 2011.

3. **Strategic Committee Member** of Avicenna Research Institute, ACECR, Tehran, Iran. Since 2010.

4. **Manager** of center for lab. animals' maintenance and husbandry, Avicenna Research Institute, ACECR, Tehran, Iran. Since 2009.

5. **Establishment** of center for lab. animals' maintenance and husbandry (Velenjak part), Avicenna Research Institute, ACECR, Tehran, Iran. 2009.

6. **Scientific Secretary** of "acquaintance and work with laboratory animals" workshop, Avicenna research institute, Tehran, Iran. 2008.

7. **Veterinary Sector Manager** of www.serita.ir, 2007-2008.

8. **Internal manager** of "Veterinary Scholars Journal", Scientific Journal of Urmia University, Urmia, Iran.
   Published records:
   Volume1 spring 2006
   Volume 2 summer 2006
   Volume 3 autumn 2006
   Volume 4 winter 2006

9. **Chancellor for Research** of "Iranian Veterinary Scholars" committee, Urmia University, Urmia, Iran. 2002-2004.

VIII- Other Memberships:

1. Iranian Society of Embryology & Reproductive Biology. Scientific member, Tehran, Iran. Since 2012.

2. Procurement organ transplant unit, Shahid Beheshti Medical Science University, Tehran, Iran. Since 2005.

3. Iran biology association, Student membership. Tehran, Iran. Since 2005.

4. Iranian veterinary students' association, Member of founder board and secretary of research, Urmia University, Urmia, Iran. Since 2002.

IX- Publications:

A. Book (s):

1. **A key for the thousand lock** (Complete review of silymarin and introduction *of Silybum* marianum)

   Publisher: Noavar publication/ first edition/year 2007/circulation: 2100 copy/568 pages/ ISBN: 978-964-2804-29-0 National No.: 1103387

   Authors in alphabetical order:
   H.R.Ahmadi-Ashtiani, N.Oliazadeh(M.S in genetic /science school/Tarbiat Modares University), M.Jafarzadeh(medical student in Mashhad medical science university), A.H.Jamshidi(pharmacology professor ,deputy of food and drug and laboratory research centre of ministry of health and medical education)M.Taheri (veterinary student in Urmia University**) M.M.Naderi** (Resident of small animal internal medicine in Islamic Azad University science and research branch)

   With the preface of Dr.R.Dinavand (deputy of food and drug of ministry of health and medical education)

   Scientific Sponsors (in alphabetical order):
   Plant origin drugs research institute
   National genetic engineering research institute and biotechnology
   Basij Students organization
   National research network and plant technology origin drugs
   Razi vaccine and serum research institute
   Iran cancer institute
   Deputy of food& drug of ministry of health and medical education
   Agriculture biotechnology research Institute

2. **Pathophysiology of Gastrointestinal Tract (in hand)**

   Authors in alphabetical order:
   Jamshidi Sh. (Associate professor of Small Animal Internal Medicine, Tehran University), Sattari B. (Resident of small animal internal medicine in Islamic Azad University science and research branch), **Naderi M.M**. (Resident of small animal internal medicine in Islamic Azad University science and research branch)

B. Book Chapter (s):

1. **Naderi M.M**, Sarvari A, Sadeghi M.R, Akhondi M.M. Cryobiology and fertility preservation. Fertility Preservation, P: 147-159.
   Publisher: ACECR, ISBN: 978-600-5406-09-2, (2010).

2. Ali Sarvari, **Naderi M.M**, Mohammad Reza Sadeghi, Mohammad Mehdi Akhondi. The Effect of Environmental Risk Factors on Male and Female Fertility. Fertility Preservation, P: 55-76.
   Publisher: ACECR, ISBN: 978-600-5406-09-2, (2010).

C. Scientific Poster (s):

1. **Hamsters of the World**
   H.R.Ahamdi-Ashtiani, A.Afraz, M.Ajoudani**,** B.Gholamhoseini, **Naderi M.M. (in alphabetical order)**

   Supervisor: Prof.B.Radmehr
   Specifications: introducing all existed hamster races in the world, quick access to laboratory information Language: English
   Publisher: author/first edition/ year 2007/ circulation 2000 copy/colorful with chart/ dimension: 70*50

   Scientific Sponsors (in alphabetical order):
   Food and drug control laboratories general office, of ministry of health and medical education
   National genetic engineering and biotechnology research Institute
   Veterinary school, Islamic Azad University science and research branch
   Veterinary school/Tehran University
   Karaj Islamic Azad University
   Tarbiat Modares University
   Razi vaccination and Serum manufacture research institute

2. **Mice of the World**
   H.R.Ahamdi-Ashtiani, B.Gholamhoseini, A.Afraz, M.Ajoudani**,** **Naderi M.M. (in alphabetical order)**

   Supervisor: Prof.B.Radmehr
   Specifications: The same as **Hamsters of the world**

   Scientific Sponsors (in alphabetical order):
   The same as **Hamsters of the world**

3. **Guinea pigs of the World**
   H.R.Ahamdi-Ashtiani, B.Gholamhoseini, A.Afraz, M.Ajoudani **Naderi M.M.** **(in alphabetical order)**

   Supervisor: Prof.B.Radmehr
   Specifications: The same as **Hamsters of the world**

   Scientific Sponsors (in alphabetical order):
   The same as **Hamsters of the world**

D. Papers:

1. Shirazi A, **Naderi MM**, Hassanpour H, Heidari M, Borjian S, Sarvari A, Akhondi MM. The effect of ovine oocyte vitrification on expression of subset of genes involved in epigenetic modifications during oocyte maturation and early embryo development. Theriogenology 2016; (in press)

2. Ahmadi Ashtiani HR, Rastegar H, Rezayat SM, Rezazadeh Sh, Ghorban Dadras O, Anjarani S, Heydarzadeh Sh, **Naderi MM**. The potential co-treatment effects of zataria multiflora, camellia sinensis extracts and bacterial lipopolysaccharide on skin wound model.2016; 15(57): 56-73.

3. Nazari, H., Shirazi, A, Shams-Esfandabadi, N, Kadivar, **Naderi, M.M**, Ahmadi, E**.** Evaluation of the effect of Myoinositol-Sodium citrate and serum on developmental competency of zona-free bovine cloned embryos. IJVCS 2016; 10(1): 11-20.

4. Sadeghnia S, Akhondi M.M, Hossein Gh., Mobini S., Hosseini L., **Naderi M.M**., Borjian Boroujeni S, Sarvari A, Behzadi B, Shirazi A. Development of sheep primordial follicles encapsulated in alginate or in ovarian tissue in fresh and vitrified samples. Cryobiology 2016; 72 (2): 100-105.

5. **Naderi M.M**., Borjian Boroujeni S., Sarvari A, Heidari B, Akhondi M.M., Zarnani A.H., Shirazi A. The effect of media supplementation with angiotensin on developmental competence of ovine embryos derived from vitrified-warmed oocytes. Avicenna J Med Biotech 2016; 8(3): 139-144.

6. Mobini S, Taghizadeh-Jahed M, Khanmohammadi M, Moshiri A, **Naderi MM**, Heidari-Vala H, Ashrafi Helan J, Khanjani S, Springer A, Akhondi MM, Kazemnejad S. Comparative evaluation of in vivo biocompatibility and biodegradability of regenerated silk scaffolds reinforced with/without natural silk fibers. J Biomater Appl. 2015, 0(0): 1-17.

7. **Naderi M.M**., Borjian Boroujeni S., Sarvari A, Heidari B, Akhondi M.M., Zarnani A.H., Shirazi A.Angiotensin increases the quality of in vitro produced (IVP) sheep embryos

and expression of Na+/K+/ATPase expression. Avicenna J Med Biotech 2016; 8(1): 9-15.

8. Shirazi M.S., Heidari B, **Naderi M.M.,** Behzadi B., Sarvari A. Borjian-Boroujeni S., Farab M Abolfazl Shirazi A. Transplantation of goat spermatogonial stem cells into the mouse rete testis. International Journal of Animal Biology. 2015; 1(3): 61-68.

9. **Naderi M.M**, Sarvari A, Saviz A, Naji T, Borjian Boroujeni S, Heidari B, Behzadi B, Akhondi M.M, Shirazi A. The effect of Aldosterone on Na+/K+/ATPase expression and development of embryos derived from vitrified-warmed sheep oocytes. Small Ruminant Research.2015; 126:44-51.

10. Heidari B, Gifani M, Shirazi A, Zarnani AH, Baradaran B, **Naderi MM**, Behzadi B, Borjian-Boroujeni S, Sarvari A, Lakpour N, and Akhondi MM. Enrichment of Undifferentiated Type A Spermatogonia from Goat Testis Using Discontinuous Percoll Density Gradient and Differential Plating. Avicenna J Med Biotech 2014; 6(2): 94-103.

11. Shirazi M.S., Heidari B, Abolfazl Shirazi A, Zarnani A.H, Jeddi-Tehrani M, Rahmati-Ahmadabadi M, **Naderi M.M** Behzadi B Farab M. Sarvari A. Borjian-Boroujeni S, Akhondi M.M. Morphologic and proliferative characteristics of goat type a spermatogonia in the presence of different sets of growth factors. J Assist Reprod Genet (2014) 31:1519–1531.

12. Hosseini L, Akhond MM, **Naderi MM**, Heidari B, Shirazi A (2014) Ovarian Tissue Transplantation versus Follicular Culture. JFIV Reprod Med Genet 2: 129. doi:10.4172/jfiv.1000129

13. Khanjani S, Khanmohammadi M, Zarnani A-H, Akhondi M-M, Ahani A, Ghaempanah Z, **Naderi M.M**, Eghtesad S, Kazemnejad S. Comparative Evaluation of Differentiation Potential of Menstrual Blood- Versus Bone Marrow- Derived Stem Cells into Hepatocyte-Like Cells. PLoS ONE (2014); 9(2): e86075. doi:10.1371/journal.pone.0086075.

14. Rastegar H, Ahmadi Ashtiani H.R, **Naderi M.M**, Heydarzadeh Khoyi Sh, Hedayati M, Ghorban Dadras O, Rashed Marandi F, Rassam H. Effect of topical application of Salmonella enteric lipopolysaccharide on excision wound healing in Balb/c mice. HealthMED 2014; 8 (1): 96-101.

15. Heidari B., Shirazi A., **Naderi M.M**., Akhondi M.M., Hassanpour H., Sarvari A., and Borjian S. Effect of various co-culture systems on embryo development in ovine. Czech J. Anim. Sci., 58, 2013 (10): 443–452.

16. Farahavar A., Shirazi A., Kohram H. Zareh Shahneh A., Sarvari A, **Naderi M.M**., Borjian Boroujeni S., and Zhandi M. Culture of Ovine IVM/IVF Zygotes in Isolated Mouse Oviduct: Effect of Basal Medium. Avicenna J Med Biotech 2013; 5(2): 133-137.

17. Heidari B., Shirazi A., Akhondi M.M., Hassanpour H., Behzadi B., **Naderi M.M**., Sarvari A., and Borjian S. Comparison of Proliferative and Multilineage Differentiation Potential of Sheep Mesenchymal Stem Cells Derived from Bone Marrow, Liver, and Adipose Tissue. Avicenna J Med Biotech 2013; 5(2): 104-117.

18. Sarvari A., **Naderi M.M**., Sadeghi M.R., Akhondi M.M. A technique for facile and precise transfer of mouse embryos. Avicenna J Med Biotech 2012; 5(1): 62-65.

19. **Naderi M.M**., Sarvari A., Milanifar A., Borjian Boroujeni S., and Akhondi M.M. Regulations and Ethical Considerations in Animal Experiments: International Laws and Islamic Perspectives. Avicenna J Med Biotech 2012; 4(3): 114-120.

20. Heidari B., Rahmati-Ahmadabadi M., Akhondi M.M., Zarnani A.H., Jeddi-Tehrani M., Shirazi A., **Naderi M.M**., Behzadi B. Isolation, identification, and culture of goat spermatogonial stem cells using c-kit and PGP9.5 markers. J Assist Reprod Genet. 2012.

21. **Naderi M.M**., Mashhadi Rafiei S., Sattari B., Ale-Davoud S.J., Ali Akbar Seif and Bokaei S. The first study on classification of Iranian domestic cats' behavior problems and their associated risk factors. J. Global Veterinaria, 2011; 6(3): 339-345.

22. Mashhadi Rafiei S., Sattari B., **Naderi M.M**., Ale-Davoud S.J., Ali Akbar Seif and Bokaei S. Prevalence of behavior problems in domestic dogs in Tehran- Iran. J. Global Veterinaria, 2011; 6(3): 333-338.

23. Ali Sarvari, **Naderi M.M**, Mahnaz Heidari, Amir Hassan Zarnani, Mahmood Jeddi-Tehrani; Mohammad Reza Sadeghi, Mohammad Mehdi Akhondi (2010): Effect of Environmental Risk Factors on Human Fertility. J Reprod Infertil. 11(4):341, 2010.

24. H.R.Ahmadi Ashtiani**, Naderi M.M**, S.Bokaee, H.Rastegar, Sh.Rezazadeh. Study of oral administrated silymarin effects on UV-induced changes on albino guinea pigs skin. J.Medical Plants, 2009; 33: 138-148.

25. G. Ramin, S. Jafari Shoorijeh, H.R. Ahmadi Ashtiani, **Naderi M.M**, M.A. Behzadi and A. Tamadon. Removal of Metallic Objects from Animal Feeds: Development and Studies on a new machine. J. VetScan, 2008; 2:1-7.

26. Jamshidi AH, Ahmadi Ashtiani H.R**, Naderi M.M.**, S.Bokaee, Gholamhosseiny B. Study on effects of topical use of Silybum marianum extract (Silymarin)on U.V. irradiated guinea pig skin. J.Medical Plants, 2007; 23: 89-96.

X- Abstracts:

A. National Congresses:

1. Shirazi A, Akhondi, Hosseini L, **Naderi MM.** Female fertility preservation (follicle isolation, culture and preservation). 1st national symposium of the embryology updated on the research and therapy. Isfahan –Iran, 7 Sep. 2014
2. Sarvari A, Borjian Boroujeni S, **Naderi MM**, Heidari B, Behzadi B, Akhondi MM, Shirazi A. IVF outcome after using anti freeze protein in semen freezing of three Iranian ovine breeds. 20th National Congress on infertility and reproduction. Isfahan –Iran, 11-13 June

2014. (Iranian journal of Reproductive Medicine (IJRM), Abstract book, Vol. 12, No. 6 (suppl.1), JUNE 2014. (***ISI Proceeding***).

3. Borjian Boroujeni S, Sarvari A, **Naderi MM**, Heidari B, Behzadi B, Akhondi MM, Shirazi A. Effect of α-tocopherol supplementation during ram semen cryopreservation on subsequent embryo development. 20th National Congress on infertility and reproduction. Isfahan –Iran, 11-13 June 2014. (Iranian journal of Reproductive Medicine (IJRM), Abstract book, Vol. 12, No. 6 (suppl.1), JUNE 2014. (***ISI Proceeding***).

4. Safarpoor D, Heidari B, **Naderi MM**, Sarvari A, Behzadi B, Borjian Boroujeni S, Akhondi MM, Radmehr B, Shirazi A. Comparison of different mouse embryonic stem cell culture systems in generating chimeric embryos by blastosyst microinjection method. 20th National Congress on infertility and reproduction. Isfahan –Iran, 11-13 June 2014. (Iranian journal of Reproductive Medicine (IJRM), Abstract book, Vol. 12, No. 6 (suppl.1), JUNE 2014. (***ISI Proceeding***).

5. Hosseini L, **Naderi MM**, Heidari B, Borjian Boroujeni S, Sarvari A, Behzadi B, Akhondi MM, Shirazi A. Ovarian tissue and follicle culture. 20th National Congress on infertility and reproduction. Isfahan –Iran, 11-13 June 2014. (Iranian journal of Reproductive Medicine (IJRM), Abstract book, Vol. 12, No. 6 (suppl.1), JUNE 2014. (***ISI Proceeding***).

6. Heidari B, **Naderi MM**, Farab M, Behzadi B, Borjian Boroujeni S, Sarvari A, Akhondi MM, Shirazi A. Goat spermatogonial xenotransplantation into the mouse testes. 20th National Congress on infertility and reproduction. Isfahan –Iran, 11-13 June 2014. (Iranian journal of Reproductive Medicine (IJRM), Abstract book, Vol. 12, No. 6 (suppl.1), JUNE 2014. (***ISI Proceeding***).

7. Heidari B, Zarnani A, **Naderi MM**, Behzadi B, Borjian Boroujeni S, Sarvari A, Akhondi MM, Shirazi A. Effect of different concentrations of GDNF on proliferation and differentiation of goat spermatogonia. 20th National Congress on infertility and reproduction. Isfahan –Iran, 11-13 June 2014. (Iranian journal of Reproductive Medicine (IJRM), Abstract book, Vol. 12, No. 6 (suppl.1), JUNE 2014. (***ISI Proceeding***).

8. **Naderi MM**, Heidari b, Sarvari A, Borjian Boroujeni S, Behzadi B, Akhondi MM, Shirazi A. Effect of angiotensin II addition to the culture media on Na+/K+ ATPase expression and subsequent development competence of ovine embryos. 20th National Congress on infertility and reproduction. Isfahan –Iran, 11-13 June 2014. (Iranian journal of Reproductive Medicine (IJRM), Abstract book, Vol. 12, No. 6 (suppl.1), JUNE 2014. (***ISI Proceeding***).

9. Malekpour A, Shirazi A, Heidari B, **Naderi MM**, Borjian S, Sarvari A, Behzadi B. Oocyte cryopreservation, advantages and disadvantages. 20th National Congress on infertility and reproduction. Isfahan –Iran, 11-13 June 2014. (Iranian journal of Reproductive Medicine (IJRM), Abstract book, Vol. 12, No. 6 (suppl.1), JUNE 2014. (***ISI Proceeding***).

10. Sadeghnia S, Mobini S, Shirazi A, Hossein G, **Naderi MM**, Heidari B, Borjian S, Sarvari A, Akhondi M. Comparison of ovarian primordial follicle isolation techniques in animal model. The 19th national congress on infertility and reproduction. Tehran-Iran. 22-24 May 2013.

11. Radmehr B., **Naderi M.M**, Safarpoor D. The Importance of Studying Endometriosis in Animal Models. The 2nd national congress on endometriosis. Tehran-Iran. 22-24 Jan, 2013.

12. **Naderi M.M**, Heidari B., Borjian S., Sarvari A., Akhondi M.M., Shirazi A. (2011). Effect of mesenchymal stem cells on in vitro ovine embryo development in co-culture system. 9th International Congress on Obstetrics and Gynecology. Tehran – Iran. 5-9 Nov, 2011.
13. Heidari B., **Naderi M.M.,** Borjian S., Sarvari A., Behzadi B., Akhondi M.M., Shirazi A. (2011). Proliferation and multilineage differentiation potential of sheep mesenchymal stem cells derived from different sources. 9th International Congress on Obstetrics and Gynecology. Tehran – Iran. 5-9 Nov, 2011.
14. **Naderi M.M**, Heidari B, Sarvari A, Borjian S, Behzadi B, Shirazi A. Akhondi M M**,** (2010). Transgenesis and ethical issues. Genetics, Law, Ethics, and Psychology Congress. Faculty of Law, Shahid Behashti Univ. Tehran- Iran. 10-11 Nov, 2010.
15. Sarvari A, **Naderi M M**, Heidari B, Borjian S, Behzadi B, Akhondi M M, Shirazi A. (2010). Ethical Issues in Human Enhancement technologies. Genetics, Law, Ethics, and Psychology Congress. Faculty of Law, Shahid Behashti Univ. Tehran- Iran. 10-11 Nov, 2010.
16. Heidari B, **Naderi M.M**, Borjian S, Sarvari A, Behzadi B, Akhondi M M, Shirazi A. (2010). Human cloning and its consequences. Genetics, Law, Ethics, and Psychology Congress. Faculty of Law, Shahid Behashti Univ. Tehran- Iran. 10-11 Nov, 2010.
17. Borjian S, Heidari B, Sarvari A, **Naderi M M**, Behzadi B, Akhondi M M, Shirazi A. (2010). Ethical considerations of tissue engineering. Genetics, Law, Ethics, and Psychology Congress. Faculty of Law, Shahid Behashti Univ. Tehran- Iran. 10-11 Nov, 2010
18. Sarvari, A; **Naderi M.M**; Salehkhou, S; Heidari, M; and Akhondi M.A. (2010).Comparison of birth rate in blastocyst and two cell stage embryo transfer (ET) in NMRI mice**.** 16th Congress of Iranian Society for Reproductive Medicine. Shiraz, Iran. 3-5 march 2010. (Iranian journal of Reproductive Medicine (IJRM), Abstract book, supplement 1, winter 2010. (***ISI Proceeding***)
19. **Naderi M.M**; Sarvari, A; Salehkhou, S; Heidari, M; and Akhondi M.A.(2010). Comparison between outcomes of two embryo transfer techniques in mice. 16th Congress of Iranian Society for Reproductive Medicine. Shiraz, Iran. 3-5 march 2010. (Iranian journal of Reproductive Medicine (IJRM), Abstract book, supplement 1, winter 2010. (***ISI Proceeding***)
20. Ali Sarvari**, Naderi M.M**, Mohammad Reza Sadeghi, Mohammad Mehdi Akhondi (2010). The Effect of Environmental Risk Factors on Male and Female Fertility**.** 15th annual Congress of recent advances in fertility and infertility and first national Congress of Fertility Preservation Seminar, Avicenna Research Institute and Shahid Beheshti University of Medical sciences. Tehran- Iran. 13, 14 Jan. 2010.
21. **Naderi M.M**, Sarvari A, Sadeghi M.R, Akhondi M.M. (2010). Cryobiology and fertility preservation. 15th annual Congress of recent advances in fertility and infertility and first national Congress of Fertility Preservation Seminar, Avicenna Research Institute and Shahid Beheshti University of Medical sciences. Tehran- Iran. 13, 14 Jan. 2010.
22. Ali Sarvari, **Naderi M.M**, Mahnaz Heidari, Sheida Salehkhou, Mohammad MehdiAkhondi (2009). Comparison of two superovulation protocols in NMRI mice and study of its effect on number of earned oocytes from flashing. 8th International Congress on Obstetrics and Gynecology. Tehran – Iran. 5-9 Nov, 2009.
23. **Naderi M.M**, Ali Sarvari**,** Mahnaz Heidari, Sheida Salehkhou, Mohammad Mehdi Akhondi (2009). Comparison between two techniques of one cell stage transfer to the

oviduct of NMRI mice and evaluation of pregnancy of each. 8th International Congress on Obstetrics and Gynecology. Tehran – Iran. 5-9 Nov, 2009.

24. **Naderi M.M**, Ali Sarvari, Leila Eini, Mahnaz Heidari, Mohammad Mehdi Akhondi (2009). A case report of teratogenesis consequent of embryo transfer in NMRI mouse. 8th International Congress on Obstetrics and Gynecology. Tehran – Iran. 5-9 Nov, 2009.
25. **Naderi M.M**, Ali Sarvari, Mohammad Mehdi Akhondi **(2009)**.Evaluation of protective role of herbal medicine silymarin in pregnancy and lactation period. 8th International Congress on Obstetrics and Gynecology. Tehran – Iran. 5-9 Nov, 2009.
26. Ahmadi-Ashtiani H.R, **Naderi M.M**, Baghaee Ahmadi-Ashtiani M. Study on oral administration of silymarin on apoptosis rate in Guinea pig dermal cells. 1st student scientific-research seminar of Ardebil medical faculty. Ardebil-Iran. Aug, 2008.
27. **Naderi M.M,** Mashhadi Rafiee S. A case report of myiasis in cat. 4th ISAVA congress. 11 Aug. 2008.
28. **Naderi M.M,** Mashhadi Rafiee S. A case report of acquisitive hypothyroidism in a terrier dog. 4th ISAVA congress. 11 Aug. 2008.
29. M.Jafarzadeh, N.Oliazadeh, H.R.Ahmadi-Ashtiani, **Naderi M.M**, K.Safipourian. Silymarine the new method in drug therapy of breast cancer. The 1st congress of Iranian obstetrics and geneicology and infertility association physicians /Mashhad medical science university/ 14-17-August 2006.
30. H.R.Ahmadi-Ashtiani, **Naderi M.M**, K.Safipourian .Fetoprotectivity of Sylimarin against ethanol toxicity in rat. 12th congress of all pharmacology students of country /pharmacology school of Mazandaran medical science university / 31october-3 November 2006.
31. M.Jafarzadeh, N.Oliazadeh, H.R.Ahmadi-Ashtiani, **Naderi M.M**. Study on molecular mechanism of Silymarin's anti prostate cancer effects. 12th congress of all pharmacology students of country /pharmacology school of Mazandaran medical science university / 31october-3 November 2006.
32. H.Tajik, A.Ardeshirilajimi, H.R.Ahmadi-Ashtiani, M.Naderi. Reviewing the outbreak of wastage of sheep to slaughterhouse of Qaemshahr. National congress about sheep and goat/ cattle science institute Karaj/ December 2005.
33. H.R.Ahmadi-Ashtiani,S.A.Pourbakhsh, N.Oliazadeh, **Naderi M.M**.Comparing the sensivity and the specifications of ELISA, RPA,PCR and cultivation in diagnosing micoplasmaspticom. 1st Iran biotechnology university students' gathering /Tehran University/ 15-17 November 2005.
34. S.M.Razavirohani, H.Tajik, F.Mohammadpour, H.R.Ahmadi-Ashtiani, **Naderi M.M**. The effect of acid acetic and acid lactic in reducing the bacterial load of meat. 4th gathering of medical science of young researchers club/ Islamic Azad University of Mashhad /28-29 september 2005.
35. H.R.Ahmadi-Ashtiani, N.Oliazadeh, **Naderi M.M**, A.Morshedi. Studying the effect of genetically structure of different races of brucella on virulence andhost spread. 6th Iran veterinary students' congress/Mashhad Ferdowsi University/9-11 September 2005.
36. **Naderi M.M**, H.R.Ahmadi-Ashtiani, N.Oliazadeh, Sh.Javadi. Study the way of brucellosis transmission from dog to human and the prevention of it in Iran. 6th Iran veterinary students' congress/Mashhad Ferdowsi University/9-11 September 2005.

37. **Naderi M.M**, M.Ajoodani, H.R.Ahmadi-Ashtiani, N.Moazi, Sh.Javadi. Report of a rare case of dermal diseases in dog. 6th Iran veterinary students' congress/Mashhad Ferdowsi University/9-11 September 2005.
38. M.Ajoodani, H.R.Ahmadi-Ashtiani, N.Moazi, Sh.Javadi. Recognition the kind and rate of external parasites in stray cats if Uromia. 6th Iran veterinary students' congress/Mashhad Ferdowsi University/9-11 September 2005.
39. H.R.Ahmadi-Ashtiani, **Naderi M.M**, S. Nafisi,S.Sarsarshahi. Study the physiopharmacologic effect of Ecstasy on pain in rat. 6th Iran veterinary students' congress/Mashhad Ferdowsi University/9-11 September 2005.
40. H.R.Ahmadi-Ashtiani, **Naderi M.M**, Dr.S. Nafisi,S.Sarsarshahi. Study the effect of radioactive on microstructure of chicken breast meat by using electron microscope. 6th Iran veterinary students' congress/Mashhad Ferdowsi University/9-11 September 2005.
41. H.R.Ahmadi-Ashtiani, **Naderi M.M**, N.Oliazadeh,Sh.Javadi, E. Ayen. 6th Iran veterinary students' congress/Mashhad Ferdowsi University/9-11 September 2005.
42. H.R.Ahmadi-Ashtiani, sh.Hassanzadeh, **Naderi M.M**. Adrenal gland histology and its relation with ovary in west-Azarbaijan birds. 3rd congress of birds' diseases/ Shiraz University, May 2002.
43. H.R.Ahmadi-Ashtiani, sh.Hassanzadeh, **Naderi M.M.** Survey on pigeon digestion system parasites by excrement test. 3rd congress of birds' diseases/ Shiraz University, May 2002.
44. H.R.Ahmadi-Ashtiani, **Naderi M.M**, M.Ajooddani, P.Abbasnia. Separating pathogen bacteriathe agent of breast inflation in Uromia's cows.The 5th scientific congress of Iranian veterinary students / Shahid Chamran University 11-13 March 2002.

B. International Congresses:

1. **Naderi M.M**., Shirazi A. Improvement of embryo cryopreservation methods. International congress on reproduction- ISERB 2015. Tehran-Iran. 23 My 2015.
2. **Naderi M.M**, Saviz A, Naji T, Sarvari A, Borjian Boroujeni S, Heidari B, Behzadi B, Akhondi M.M, Shirazi A. The effect of aldosterone on Na+/K+/ATPase expression and development of embryos derived from vitrified sheep oocytes. International congress on reproduction- ISERB 2015. Tehran-Iran. 23 My 2015.
3. Heidari B., Niakan S., **Naderi M. M**., Behzadi B., Borjian S., Sarvari A., Akhondi M.M., Shirazi A. Optimization of electroporation to improve the transfection efficiency of sheep spermatogonial stem cells. International conference on chemical, environmental and biological science- CEBS-2015. Dubai-UAE. 18 Mar. 2015.
4. Shirazi A., Akhondi M.M., Hosseini L., **Naderi M.M**. Female fertility preservation (follicle isolation, culture and preservation). 1st national symposium of the embryology updated on the research and therapy. Isfahan-Iran. 7 Sep, 2014.
5. **Naderi M. M**., Heidari B., Borjian S., Sarvari A., Behzadi B., Akhondi M.M., Shirazi A. Animal models of human artificial ovary, valuable tools for fertility preservation in cancer patients. 10th International Congress on Obstetrics and Gynecology. Tehran- Iran. 23 Sep, 2013.

6. **Naderi M. M**., Heidari B., Borjian S., Sarvari A., Behzadi B., Akhondi M.M., Shirazi A. Endometriosis risk factors. 10th International Congress on Obstetrics and Gynecology. Tehran- Iran. 23 Sep, 2013.
7. Saviz A., **Naderi M. M**., Naji T., Heidari B., Borjian S., Sarvari A., Behzadi B., Akhondi M.M., Shirazi A. Effect of aldosteron on pre-implantation embryo's quality in animal model. 10th International Congress on Obstetrics and Gynecology. Tehran- Iran. 23 Sep, 2013.
8. Sadeghnia **S.,** Shirazi A., **Naderi M. M**., Hossein Gh., Mobini S., Sarvari A., Borjian S., Behzadi B., Akhondi M.M. Different methods of ovarian follicle isolation in mamals. 10th International Congress on Obstetrics and Gynecology. Tehran- Iran. 23 Sep, 2013.
9. Hosseini L**.,** Shirazi A., Mobini S., **Naderi M. M**., Heidari B., Borjian S., Sarvari A., Akhondi M.M. Different methods of ovarian follicle isolation in mamals. 10th International Congress on Obstetrics and Gynecology. Tehran- Iran. 23 Sep, 2013.
10. Safarpour D., **Naderi M. M**., Toloei F. What is the relationship between endometriosis and cancer?. 10th International Congress on Obstetrics and Gynecology. Tehran- Iran. 23 Sep, 2013.
11. Hosseini L., Shirazi A., Mobini S., **Naderi M. M**., Heidari B., Borjian S., Sarvari A., Akhondi M.M. Different fertility preservation approaches in cancerous female patients. 10th International Congress on Obstetrics and Gynecology. Tehran- Iran. 23 Sep, 2013.
12. **Naderi M. M**., Heidari B., Borjian S., Sarvari A., Behzadi B., Akhondi M.M., Shirazi A. Animal models of human PCOS, valuable tools for the diagnosis and treatment. 5th Yazd International Congress and Student Award in Reproductive Medicine. Yazd- Iran. 20 April, 2013. (***ISI Proceeding***)
13. **Naderi M.M**, Hosseini F, Gholizadeh Farab M, Sadeghi M.R, Akhondi M.M, (2011). Ethics in animal experiments. 2nd Internatinal congress of Bioethics. National Institute of Genetic Engineering and Biotechnology**.** Tehran- Iran. 5-7 Feb, 2011. (***ISI Proceeding***)
14. P.Omidian, M.Omidian, H.R.Ahmadi-Ashtiani**, Naderi M.M.** Determining the diagram for the number of brucellosis paitients in Shahroud with segregation of villages during 2002-2003 and reviewing the diagnosis methods of brucellosis in this city. 8th annual research congress of medical sciences students of country and the 1st international congress of medical sciences students in Iran, Shiraz/medical sciences university/23-25June 2007.
15. H.R.Ahmadi-Ashtiani, **Naderi M.M**, K.Safipourian, H.Shirzai beheshtiha. Assessing the symilarine effectiveness in preventing the liver defects cause by prescribing CCL4 in rat by study the liver enzymes. 8th annual research congress of medical sciences students of country and the 1st international congress of medical sciences students in Iran, Shiraz/medical sciences university/23-25June 2007.
16. Babak Esmaeelian, Yousef Yari Kamran, **Naderi M.M**, Massoud Amanlou Histopathological evaluation of honey's effect in treatment of experimental wounds in dogs**.** 55th International congress and annual meeting of the society for medicinal plant research Graz, Austria, September 2 – 6, 2007.
17. **Naderi M.M,** Morshedi A, Tehrani A.A, Hobenaghi R. Study on anti-inflammatory effects of silymarin on U.V. irradiated guinea pig skin. The 8th Congress of Immunology & Allergy, 14-16 May 2006.

18. H.R.Ahmadi-Ashtiani, H.Hayatgheybi, **Naderi M.M.** Determine the frequency range for hearing in rat. 1st International Biology Conference/23-25 August 2005.
19. H.R.Ahmadi-Ashtiani, **Naderi M.M**, N.oliazadeh. Seroepidemiological study on toxoplasmosis in women that referred to hygienic center in Urmia**.** 6th Royan International Congress Reproductive Biomedicine/7-9 September 2005.

XI- Teaching Experiences:

- "Advanced techniques in fertility & infertility" as an academic course for, PhD students of reproductive health of Tehran university of medical sciences, 2nd semester 2015.
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- "Advanced techniques in fertility & infertility" as an academic course for, PhD students of reproductive health of Tehran university of medical sciences, 2nd semester 2014.
- In vitro fertilization in mouse, MSc students of Islamic Azad University, Science and Research branch, 1st and 2nd semester 2013.
- Advanced techniques in fertility & infertility, PhD students reproductive health of Tehran university of medical sciences, 2nd semester 2013.
- Basic laboratory techniques, PhD students of ARI, 2nd semester 2013.
- Introduction to the Lab. Animals, MSc students of Iranian Blood Transfusion Organization, 1st semester 2013.
- Seminar II, MSc student of Ialamic Azad University of Pharmaceutical Science, 1st semester 2013.
- Advanced techniques in fertility & infertility, PhD students of reproductive health Tehran university of medical sciences, 2nd semester 2011.

XII- Thesis Supervision:

- Comparison between effects of letrozole (aromatase inhibitor), cabergoline (dopamine agonist agent) and silymarin (antioxidant and anti inflammation) on regression of induced endometriotic lesions in female rats, 2014 (PhD student)
- The effect of tocopherol on developmental competence of embryos from vitrified sheep oocytes, 2014 (MSc student)
- Evaluation of aldosterone effects in quality improvement of embryos derived from ovine vitrified-warmed oocytes, 2012 (MSc student)

XIII- Work Experiences:

A. Laboratory Activities:

1. TUNEL assay and ICC for ovine and bovine embryo quality assessment (2013).
2. Sperm and oocyte freezing (Sheep and Cattle), 2010-2011.
3. Doing IVP (IVM, IVF and IVC), Oocyte collection, Co-culture, Fluorescent dye staining, in bovine and ovine. 2010-2011.
4. Doing IVP, Cell culture, Microinjection, Oestrus synchronization, Embryo transfer, Microsurgery (Includes: Tissue transplant, Vasectomy, Orchidectomy, Ovariectomy, Ovariohysterectomy) in mouse, 2008-2010.

B. Clinical Activities:

1. Design the Center for lab. Animals' maintenance and husbandry and the specialized veterinary pharmacy in Avicenna Research Institute (Velenjak part). 2010.
2. Doing necropsy, biopsy and miscellaneous macroscopic and microscopic surgeries on laboratory animals. Since 2007.

XIV- Research Interests:

- Transgenesis, Cloning and Knockout studies in farm and lab. animals
- Stem cell studies
- Gamete and Embryo Cryopreservation