

## C.V.

### In the name of god



**Name:** Khosro

**Surname:** Hosseini Pajooch

**Date of birth:** 31 august, 1961(31-08-1961)

#### **Occupation:**

- 1991 until now- Faculty member of Biotechnology institute, Iranian Research Organization of Science and Technology (IROST) .
- 1896 until 1991- Faculty member of Department of Clinical Science, Veterinary Medicine College, University of Tehran,

**Email:** pajooch@.irost.ir

#### **Education:**

- 2012- PhD in Biotechnology
- 1987-Doctor of Veterinary Medicine (DVM),

#### **Technical Courses:**

- 1) "Techniques of molecular biology" at Pasture Institute of Iran, 1995
- 2) "Gene expression in eukaryotic systems" at National research Center for Genetic Engineering and Biotechnology, 1997

#### **Research Experience:**

- 1) Effect of season and light on the number of embryos collected in superovulated mice
- 2) Synchronization and superovulation in sheep in breeding

season and non breeding season

3) laparoscopic survey of ovaries and uterus in sheep

and laparotomy in superovulated ewes

4) Intrauterine laparoscopic artificial insemination in ewes

5) Laparoscopic embryo recovery and transfer in ewes

6) Effect of a herbal drug on treatment of dermal infectious in cow

7) Design of a kind of speculum for artificial insemination in ewes

8) A study on use of processed sugar bean pith (by pleurotus) in sheep feeding

9) Effect of supplementary feeding on weaning rate and sex ratio in Shal ewes

10) Production of phytase by *A.ficcum*

11) Cytotoxic effects of Clusterin antisense oligonucleotides and Docetaxel on two prostate cancer cell lines.

12) Design and fabrication of silk/polyphenyl alcohol/gelatin electrospun nanofibers for articular cartilage tissue engineering

13) Design and fabrication of chitosan/silk fibroin electrospun nanofibers for articular cartilage tissue engineering

14) Study of transfer of foreign DNA into the bovine and ovine spermatogonial stem cells

15) sperm mediated gene transfer

16) study on repair of articular cartilage of rabbit by mesenchymal stem cells cultured on chitosan/silk fibroin electrospun nanofiber scaffold

### **Research Interests**

- Stem cells
- tissue engineering
- cell transfection

## **Teaching Experience**

- Tissue culture
- genetic engineering

## **Publications:**

### **Papers:**

1. Hoseini Pajoooh, Kh. Pharmacological effects of sulfonamides in pultry, Pajouhesh va sazandegi, No.10 (1991)
2. Hoseini Pajoooh, Kh. A review on Transgenic animals, Pajouhesh va sazandegi, No.18 (1993)
3. Hoseini Pajoooh, Kh. Perspective on embryo transfer, Pajouhesh va sazandegi, No.22 (1994)
4. Hoseini Pajoooh, Kh. Micromanipulation of mammals' embryo, Pajouhesh va sazandegi, No.23 (1994)
5. Hosseyini pajoooh Kh. A review on animal biotechnology, Pajouhesh va sazandegi, No.27 (1995)
6. Hoseini Pajoooh, Kh.\*, Tajik, P et all. Synchronization and superovulation in Moghani sheep in breeding season and non breeding season, Pajouhesh va sazandegi, No.37 (1998)
7. Hoseini Pajoooh, Kh.\*, Tajik, P et all . A comparison of number of corpus luteum counted by laparoscopy and laparotomy in superovulated ewes, Pajouhesh va sazandegi, No.38 (1998)
8. Tohidi m.; Hoseini Pajoooh Kh. et all. Increased weaning rate and altered sex ratio in a folk of Shal ewes mated during early breeding season under supplementary feeding, Proceeding of 1st international Conference on Sheep and Goat Diseases and Reproductivity (Abstract No:A-28). 23-25 October 1999,Irbid-Jordan

9. Hoseini PajooH, K. \*, Tajik, P. et all. Laparoscopic intrauterine artificial insemination compare with cervical insemination in superovulated ewes, journal of veterinary faculty, university of Tehran , Vol.55 , No.4 (2001)
- 10.10) Hoseini PajooH\*, Kh.; Rezaian M., Replacement of Lucerne hay with bagasse pit treated with *Pleurotus ulmarius* in the diet of finishing Shal lambs , Proceeding of Annual meeting of the British Society of Animal Science, April 8-10, 2002, York- England
11. Hoseini PajooH\*, Kh.;; Dr Mirdamadi, S.; Dr. Aziz mohseni, F. Sharifi, N.; .Optimization of phytase production by *Aspergillus ficcum*, proceeding of the 2<sup>nd</sup> Congress on Applied Biology (international approach), 29-30 Sep.2004, Islamic Azad University, Mashhad, Iran
12. Hoseini PajooH\*, Kh.; Sharifi, N; Mirdamadi, S; Aziz mohseni, F. Partial purification and catalytic characterization of phytase produced by *Aspergillus ficcum*. Proceeding of the 12<sup>th</sup> Iranian biology conference, Bu Ali Sina University of Hamedan, 31 Aug-2 Sep 2004
13. Hoseini PajooH\*, Kh.; Sharifi, N; Mirdamadi, S; Aziz mohseni, F. Satiability of *Aspergillus ficuum* phytase in different reservation methods and its formulation with bran for adding to poultry diet. August 2005, The 4th national biotechnology congress. Islamic Republic of Iran, Kerman. P:416
14. Hoseini PajooH, K.1\*, Tajik, P2., Karimipoor, M.3, Behdani, M.3, Davoodi, M.4. Tranfection of ram spermatozoa with pEGFP carrying human lysozyme gene. Journal of Veterinary Research. 1914, 69(3), 245-254
15. N. Bakhtiari, SM. Safavi, K. Hoseini pajouh. Cytotoxic effects of

- Clusterin antisense oligonucleotides and Docetaxel on two prostate cancer cell lines. JQUMS, Vol.19, No.2, 2015, pp. 4-10
- 16.Hoseini Pajoooh, K. ; Tajik, P. ; Karimipoor, M. Dynamics of interaction between ram sperm with plasmid carrying human lysozyme gene in SMGT. Journal of Comparative Pathobiology. Volume 11, Issue 46, Winter 2014, Page 1331-1344
- 17.Hoseini Pajoooh, K. ; Tajik, P. ; Karimipoor, M. and Behdani, M. Techniques for augmentation of exogenous DNA uptake by ovine spermatozoa. Iranian Journal of Veterinary Research, Shiraz University. IJVR, 2016, Vol. 17, No. 1, Ser. No. 54, Pages 25-30
- 18.Tajik, P.\*; Hoseini Pajoooh, Kh.; Fazle Elahi, Z.; Javdani Shahedin, G. and Ghasemzadeh-Nava, H. Transfection of bovine spermatogonial stem cells in vitro. IJVR, 2017, Vol. 18, No. 2, Ser. No. 59, Pages 113-118
- 19.F JASOUR<sup>1</sup>, M ZANDI<sup>2</sup>, K HOSEINI PAJOOH<sup>3</sup>, M R SANJABI<sup>4</sup> and H OFOGHI<sup>5</sup>. Transfection of early and late stage sheep spermatogonial stem cells in culture. Indian Journal of Animal Sciences 87 (8): 944–946, August 2017/Article
- 20.Hosein SHABANI<sup>1</sup>, Mohammad ZANDI<sup>1,\*</sup>, Hamideh OFOGHI<sup>2</sup>, Mohammad Reza SANJABI<sup>1</sup>, Khosro HOSEINI PAJOOH . The effect of combining vitamin E and C on the viability improvement of transfected ovine spermatogonial stem cells after cryopreservation and thawing. Turk J Vet Anim Sci (2017) 41: 648-655 doi:10.3906/vet-1701-38

**Books:**

- 1) cytokines: biology, pathology and therapeutic use (2002)
- 2) Cloning an stem cells technology (2005)
- 3) genes and choices (2006)
- 4) DNA from the beginning Vol 1 (2007)
- 5) Forensic medicine (translation) 2010 [Police University](#)
- 6) An Introduction to Forensic Genetics (translation) 2010 [Police University](#)