

# CURRICULUM VITAE (CV)



## PERSONAL INFORMATION:

**First name:** Seyed Mehdi      **Surname:** Kalantar      **D.O.B:** 12 August 1959      **Sex:** Male  
**Status:** Married      **Nationality:** Iranian  
**Current Position:** Prof. Molecular Cytogenetic

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## EDUCATION AND QUALIFICATION

**B.Sc, BIOLOGY, 1982, Faculty of Sciences Ahwaz University, Iran.**

**MSPH. ,MEDICAL ENTOMOLOGY & VECTOR CONTROL, 1988 , School of Public Health, Tehran University of Medical Sciences, TEHRAN-IRAN**

**PhD, MOLECULAR BIOLOGY OF REPRODUCTION (Pre-Implantation Genetics Diagnosis), 1996** Title of thesis "Fertilization failure following IVF treatment cycles..." from **Department of Obstetrics & Gynaecology (Jessop Hospital for Women) - Sheffield Fertility Centre with collaboration of Department of Molecular Biology & Biotechnology, University of Sheffield-UK.**

- **Scientific visitor:** Medical University Lubeck, Lubeck Germany, 2000
- **Scientific visitor:** Applied Imaging Co. Newcastle, UK, 2000
- **Scientific visitor.** Institute of Medical Genetics, FISH Lab, Yorkhill Children Hospital, Glasgow, UK, July – Nov. 2005
- **Scientific visitor & collaborator research:** University of Pavia, Italy. Sep.Dec. 2008
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## EMPLOYMENT & EXPERIENCE:

- From Sep. 1988 to June 1993: Lab instructor and lecturer of certain topics of Medical Parasitology
- From Oct. 1991 to June 1993 and from March 1996 to present date, member of Education Development Centre (EDC) of S.S. University of Med. Sci. Yazd.
- From March 1996 to Present date, Researcher in field of Reproductive and Genetic and supervisor of Andrology Lab in Research & Clinical Centre for Infertility, Yazd
- From March 1996 to Present date, Associate Professor in Medical Genetics in Medical School, Lecture of Genetics course for Medical, Nursing & Health students of Yazd Medical University
- From Oct. 1997 to Present date, Director of Computer network and Data base of Research & Clinical Centre for Infertility, Yazd (Bio-informatics Unit)
- From March 2000 to present date: Member of University Research council

- From March 2000 to present date: Member of Research & Clinical Centre for Infertility's Research Committee
- From February 1999 to present: Member of University Total Quality Management (TQM)'s Committee
- From January 1999 to 2002: Member of Health System Research (HSR) Committee
- From March 2000 to present: Director of Statistical & Research Method Commission
- Editorial advisory board of J. of S.Sadoughi Univ. of Medi. Scie. Yazd
- Scientific member of Iranian Society for fertility and Infertility Association
- Scientific member of Iranian Society for Genetics Association (ISGA)
- Member of Research committee of The Iranian Molecular Medicine Network, Tehran, Institute Pasteur, since 2002.
- Director of Medical Biotechnology & Genetic engineering Incubator Yazd Science & Technology Park, since 2002.
- Member of Technology and research group of Management and Programming Organization-Yazd from 2000
- Editorial advisory board of Iranian Journal of Reproductive Medicine (IJRM) Yazd
- Editor of Toloe Behdasht. Official Journal of Health School, since 2004.
- Scientific director of 2<sup>nd</sup> International student's awards in Reproductive medicine, 2007, Yazd-Iran
- Project manager of Infertility Digital Library (JINET)
- Project Manager of Semi-Virtual Incubator, Abarkoh Yazd-Supported in part by InfoDev (World Bank)

## THESIS:

### Advisor:

- Medical student's thesis: Survey on different phenotype of class I, HLA in NIDDM patients who were referred to Yazd Diabetic Centre, 1999, Yazd Medical Sciences University
- Medical student's thesis: Predictive power of HOS-test on IVF results, 2000, Yazd Medical Sciences University

### Supervisor:

1. Medical student's thesis Determination of common risk factor in Down's children who are supported by Yazd Welfare Organization. Yazd Medical Sciences University, 2001.
2. Medical student's thesis: The survey on sex chromosome abnormality and male infertility, Yazd Medical Sciences University, 2002.
3. MS student's thesis: Survey on methods for sperm freezing using different media, Shahid Behshti University – Tehran, 2002.
4. MS student's thesis: Application of micro satellite markers for transgenic animals. Pasture Institute, Tehran, 2001.
5. PhD student's thesis: The effect of sperm freezing on acrosome reactive potential of human sperm, Isfahan Medical Sciences University, 2002.
6. PhD student's thesis: The role of sperm function ability on fertilization failure at ART treatment cycles, Tehran Free University (Azad), ۲۰۰۴
7. MS student's thesis: The relationship between female LH, FSH level and egg abnormality in ART treatment cycles. Payam-e- Nor University-Isfahan, ۲۰۰۶.
8. MD student's thesis: The influence of genetic factor on Recurrent Pregnancy Loss. Yazd Medical Sciences University, 2004.
9. MD student's thesis: The abnormalities of pubertal development and relevance of its genetics aspect, Yazd Medical Sciences University, 200۶.
10. MSc students' thesis: The incidence of Chlamydia trichomatos in infertile women using PCR, Fars Azad University, 2006,.
11. MSc Students' thesis: Relationship between Embryo Quality and Maternal Age in Nominated Transgenic Animals, Payam Noor University, ISfahan, 2007
12. MSc Students' thesis: A survey on survival rate of oocyte after freezing by slow & vetrification. Tarbiat Moallem University, Iran-Tehran, 2008
13. MSc Students' thesis: Effect of FSH and other para meters on the in vitro growth & maturation of follicle enclosed mouse oocytes. Faisalabad University, Pakistan, 2007

14. PhD student' thesis: Genetics aspect of male Infertility, the role of Y chromosome microdeletion. Azad University, Tehran-Iran, 2009.

15. MSs Students' thesis: The chemical assessment of seed essence and the comparison of anti oxidant effect among three native medical plants in the Yazd province, Shahid Behshti University, Tehran-2010.

16. PhD student' thesis: Molecular study of internal apoptotic pathway BAX & BCL2 genes & mitochondrial Genome in idiopathic repeated pregnancy loss, NIGEB-Tehran-2010

## **WORKSHOP:**

### **Attendance:**

#### **A-National:**

- Training for communication skills in Computer Networking, Research Deputy of Ministry of Health and Medical Education with collaboration WHO, Feb, 1998, Tehran.
- Problem Base Learning, Yazd University, EDC, 1999
- New finding Laboratory 's and molecular diagnosis of Thalassemia mutation, University of Welfare Science & Rehabilitation-Tehran,, Dec. 1999

#### **B-International:**

- Computerized Genetics Analysis of chromosome constitution (Conventional & Molecular-FISH) on CytoVision, Applied Imaging International, New Castle UK, July 2000.
- Laser Biopsy, FISH & CVS techniques, Lubeck IVF Centre & Institute for Genetic, Medical University Lubeck, Germany, August, 2000.

### **Lecturer:**

- Research Methodology, Research Deputy, Yazd Medical Sciences University, 1997-2005 (12 workshops)
- Introducing to Evaluation: Education Deputy, EDC, Yazd Medical Sciences University, 1992-1998 (6 workshops)
- TQM workshop, Yazd Medical Sciences University, 2000 (10 workshops)
- Molecular investigation, The 3<sup>rd</sup> National Congress of Biotechnology. Iran, Mashhad, 2003
- National Genetics Counselling Workshop for GP, Iranian Welfare Organization, Tehran, 2005
- National Genetics Counselling Workshop for Nursing, Iranian Welfare Organization, 2005
- Fetal cells isolation from maternal blood for prenatal non-invasive genetic investigation, International Student's awards, Yazd-Iran, 2007
- National Genetic counseling Workshop for GP, , Iranian Welfare Organization, Birjand, 2009
- National Genetic counseling Workshop for GP, , Iranian Welfare Organization, Semnan, 2010

### **Laboratory Setting:**

- Cytogenetics Labrotory in Yazd Medical Sciences University, Research & Clinical Centre for Infertility, 1999
- Cytogenetics Laboratory in Yazd Welfare Organization, 1999
- Molecular & Cytogenetics Laboratory for PIGD (Pre-Implantation Genetics Diagnosis) in Madar Hospital, Yazd, 2000
- Medical BioTechnology Incubator in Yazd Science Technology Park with collaborating of Medical Sciences University, Yazd-Iran
- A member of consortium team (Yazd Science & Technology Park (YSTP), Zernik Co. UK and Cyber Park, Turkey) from YSTP for establishment of Tehran IT Park, 2004 to 2005.
- Establishment of Semi-virtual incubator to support women and young people in the poor area (semi-virtual Techno center in Abarkoh-Iran). Supported partly by InfoDev-World Bank

### **Scientific committee member:**

- Genetic section of 1<sup>st</sup> International, Royan Award, Tehran, 2000
- Embryology section of 1<sup>st</sup> International, Royan Award, Tehran, 2000

- Genetic section of 2<sup>nd</sup> International, Royan Award, Tehran, 2001
- Genetic section of 3<sup>rd</sup> International, Royan Award, Tehran, 2002
- Journal of Medical Sciences University, Yazd.
- Genetic section of 4<sup>th</sup> International, Royan Award, Tehran, 2003
- The 2<sup>nd</sup> Iranian Congress of Genetics Disorders & Disabilities (ICGDD), Tehran-Iran, 2002
- Human Genome Diversity In Islamic Country, NRCGEB, Tehran-Iran, 2002.
- The 3<sup>rd</sup> National Congress of Biotechnology. Iran, Mashhad, 2003
- The 8<sup>th</sup> Iranian Genetics Congress, Tehran-Iran, 2003.
- The 10<sup>th</sup> Iranian Congress of Fertility & Infertility, Tehran-Iran, 2003.
- Genetic section of 5<sup>th</sup> International, Royan Award, Tehran, 2004
- Iranian Journal of Reproductive Medicine
- The 4<sup>th</sup> National Congress of Biotechnology. Iran, Kerman, 2005
- Genetic section of 6<sup>th</sup> International, Royan Award, Tehran, 2005
- The 1st international student's awards in reproductive medicine, Yazd-Iran. Dec.2005
- Genetic section of 7<sup>th</sup> International, Royan Award, Tehran, 2006
- The 2nd international student's awards in reproductive medicine, Yazd-Iran. May.2007
- Genetic section of 8<sup>th</sup> International, Royan Award, Tehran, 2007
- Genetic section of 9<sup>th</sup> International, Royan Award, Tehran, 2008
- The 3rd international student's awards in reproductive medicine, Yazd-Iran. May.2009
- Genetic section of 11<sup>th</sup> International, Royan Award, Tehran, Sep. 2010

### Projects:

- The effect of familial marriage on educational progressive of pupils
- Survey on chromosomal breakage in Radiologist technologists from Yazd hospitals.
- Survey on Chromosome-gene defect on infertile men.
- Cytogenetic analysis of unfertilised oocytes following IVF.
- Relationship between abnormal sperm DNA and fertilization rate in IVF treatment cycles.
- DNA bank of infertile couples
- Rapid & Non-Invasive Selection of Transgenic Embryos Before Implantation
- Establishment of Semi-virtual incubator to support women and young people in the poor area (semi-virtual Techno center in Abarkoh-Iran). Supported partly by InfoDev-World Bank.

## PUBLICATIONS:

### Journal:

#### A-National:

##### A- before 2000

1. Khalili., Vahidi., Kalantar SM and Arjmand, 1998, Treating the non-obstructive azoospermia by micro injection using round spermatid into oocyte, J. Shahi. Sadoughi. Univ. Med. Sci., 1st Infertility Issue, 6; 23-30.
2. Vahidi., Moshtaghion., Khalil., Kalantar SM., Dehghani. 1998. Success rate of ICSI using epididymal sperm compare with ejaculation spermatozoa. J. Shahi. Sadoughi. Univ. Med. Sci., 1st Infertility Issue, 6; 31-35.
3. Vahidi., Kalantar SM., et al., 1998. Treatment of azoospermic male infertility using extracted sperm from testis tissue and ICSI "The first report of birth by the method in Iran". J. Shahi. Sadoughi. Univ. Med. Sci., 1st Infertility Issue, 6; 71-4.
4. Khalili., Vahidi., Ghanavati., Kalantar SM. 1996. Review of Infertiliy. J. Shahi. Sadoughi. Univ. Med. Sci., 4; 40-48.
5. Davar., Kalantar SM and Aflatounian A. 1999. Results of ART treatment cycles using donated oocytes. J. Shahi. Sadoughi. Univ. Med. Sci., 2nd Infertility Issue, 40-44
6. Kalantar SM., et al. 1997. The role of sperm with DNA and zona binding disorder on treatment of male infertility in ART cycles. J. Shahi. Sadoughi. Univ. Med. Sci., 3; 32-9.
7. Kalantar SM. 1999. Application of Pre-Implantation Genetic Diagnosis for Prevention of Inheritance Disorder in ART cycles. J. Shahi. Sadoughi. Univ. Med. Sci., 2nd Infertility Issue, 7; 3-12.

8. Soflari., Khalil., Kalantar SM. 1999. Success of 200 microinjection cycles in total embryo formation. J. Shahi. Sadoughi. Univ. Med. Sci., 2nd Infertility Issue, 7; 25-31.
9. Hadji Maghsodi., Khalili., Kalantar SM. 1999. The effect of ovarian stimulation drug on uterine wall of Rat. J. Shahi. Sadoughi. Univ. Med. Sci., 2nd Infertility Issue, 7; 59-70.
10. Afaltounia A., Karimzadeh., Amir Arjmand., Solimani., Kalantar SM. 1999. The effect of zona hatching on pregnancy & multiple pregnancy rate in 125 ART cycles. J. Shahi. Sadoughi. Univ. Med. Sci., 2nd Infertility Issue, 7; 71-7.

### **A- after 2000**

11. Afkhani M., Kalantar SM., and Moradpoor S. (2003), A study of various class I HLA phenotypes in type II Diabetics (NIDDM) patients referring to the Diabetic Centre in Yazd. J. Shahi. Sadoughi. Univ. Med. Sci. 10, No. 4: 56-60.
12. Afaltounia A., Kalantar SM., et al., (2003). Correlation between Hypo-osmotic swelling test of sperm and success rate of In Vitro Fertilization cycles. J. Urmia Univ. Med. Sci. 13, No.4: 315-321.
13. Anvari M., Kalantar SM., Nasr Esfahani MH (2003). A Comparison of Sperm Acrosomal Reaction Ability by Double, Triple, and Quinacrine Staining Methods. YAKHTEH (Cell) No: 17, Pages: 1-8
14. Dehghani Ashezari M., SM Kalantar., K Parivar (2005). Acrosome reaction and its predictive value of fertilization rate prior to In vitro Fertilization cycles. SSMSUJ. 13;4;76-81.
15. Dehghani Ashkezari M; Kalantar SM. & Parivar K (2005) Correlation between double stranded DNA and Fertilization rate in infertile couples. MJRI, 6;
17. Besharati MR., Kalantar SM., et al (2006) Status of inheritance pattern of blindness in blind people who are supported by Yazd province's welfare organization. RMSU. J; 127-132
18. Kalantar S M., Pilevarian AA., Moghaddasi SP (2006) Relationship between chromosomal abnormalities in unfertilized oocytes and the level of FSH in ART cycles. MJRI, 7,4; 331-337.
19. Sheikhha MH., Kalantar SM., Afatoonian A (2007) The relationship between estrogen alpha gene polymorphism and ovarian response to ovulation induction in women under IVF treatment. MJRI, 7,4; 315-324
20. Mirfakhrai R, Mirzajani F, ..., Houshmand M., Kalantar SM., (2008) Study of Y chromosome micro-deletion frequency among Iranian Azoospermic & Oligospermic Infertile Men. Mod, Gen., 3:1, 69-78
21. Mirfakhraie R, Kalantar SM., et al., (2008) Analysis of CFTR Gene Mutations in Iranian Non – Obstructive Azoospermic Patients. Tabib Shargh, 4:1:274-281
22. Haghiri Sadat., Bernard F., Kalantar SM., et al., Bunium Persica of Yazd province: chemical assessment & evaluation of its Antioxidant effects. JSSUMS, 18, No. 4: 284-91.
23. Zavarreza J, Sheikhha M, Kalantar M, Bahrami M, Afshari Z, Zare F. Inhibitory Effect of Eicosapentaenoic Acid (EPA) on sFlt-1 (Soluble VEGF Receptor-1) Expression in Trophoblast Tumor Cell Line JEG-3. JSSU. 2013; 21 (1) :53-61
24. Pashaiefar H, Sheikhha M, Kalantar M, Jahaninejad T, Zaimy M. Analysis of MLH3 C2531T Polymorphism in Infertile Men with Idiopathic Azoospermia or Severe Oligozoospermia. JSSU. 2013; 21 (1) :62-69

### **B- International Journals:**

1. Khalili. Kalantar SM., et al. 1998. Failure of fertilization following intracytoplasmic sperm injection (ICSI) of round headed sperm. Ann.Saud. Medi. 18.5; 401-7., PubMed
2. Mir-rokni., Khalil., Kalantar SM. 1999. Application of vital test on asthenozoospermia samples of infertile men. J. of Institut Pasteur -Iran (English Language) ., PubMed

3. Aflatounian., Karimzadeh., Dehghani., Kalantar SM., et al. 2000. The role of aspiration of half ovarian follicles prior to administration of hCG or GnRH-a for prevention of severe OHSS in ART programs. *Midd. East. Ferti. Soci.J.* 5.1; 73-75.
4. Kalantar SM., et al. 2000. Evaluating the ability of biological substances for induction of acrosome reaction in normospermic samples. *Midd. East. Ferti. Soci.J.* 5.2;71-78.
5. Kalantar SM., et al., 2003. The chromosomal abnormality of unfertilized oocytes in In Vitro Fertilization program. *I.J.R.M.*, 1,1; 32-36. (English Language).ISI
6. Vahidi AR., Kalantar SM., Soleimani M., et al., 2004. The relationship between seasonal variability and pregnancy rates in women undergoing assisted reproductive technique. *I.J.R.M.*, 2.2; 81-85. (English Language).ISI
7. Sheikhha MH., Kalantar SM., et al., . An approach for the study of genetic abnormalities in infertile men. In "13<sup>th</sup> WORLD CONGRESS ON IN VITRO FERTILIZATION – ASSISTED REPRODUCTION & GENETICS " edit; Gurgan T., Demirool A., 2005, Bologna-Italy, pp1-5.
8. Dehghani Ashkezari M ; Kalantar SM. Parivar K. Correlation between double stranded DNA and Fertilization rate in infertile couples. In "13<sup>th</sup> WORLD CONGRESS ON IN VITRO FERTILIZATION – ASSISTED REPRODUCTION & GENETICS" edit; Gurgan T., Demirool A., 2005, Bologna-Italy, pp 493-499.
9. Kalantar SM. et al., The role of genetic counseling Perrier to infertility treatment; An approach for investigation of infertile men. In "13<sup>th</sup> WORLD CONGRESS ON IN VITRO FERTILIZATION – ASSISTED REPRODUCTION & GENETICS" edit; Gurgan T., Demirool A., 2005, Bologna-Italy, pp 499-505.
10. Sheikhha MH., Kalantar SM., et al., 2005, Glutathione S transferases Null Genotype in Acute Myeloid Leukemia. *I.J.Immun.*, 2;3: 141-151. ., PubMed
11. Dehghani Firoz abadi R., Kalantar SM., et al (2006) Cytogenetic analysis in couples with recurrent spontaneous abortion. *I.J.R.M.* ISI
12. Ghoreishian SM., Kalantar SM., et al (2006) Anticardiolipin Antibody and AntiPhospholipid Antibody in Women with Recurrent Abortions. *IJRM*;ISI
13. Sheikhha MH., Kalantar SM., et al (2006) Public's knowledge and perceptions of biotechnology in Iran. *Iranian J. Biotechnology*, 4;2:130-136.ISI
14. Ghasemi N., Kalantar SM., et al., (2007) Subfertile couples with inv (9) (p11q13). (2007) *MEFS*.
15. Javed A., Amer J., Rezaei-Zarchi S., Anvari M., and Kalantar SM (2007) An *in vitro* comparative study of FSH (follicle stimulating hormone) and activin A effects on the maturation of preantral follicle-enclosed oocytes from immature Syrian mice. In press *IBMJ*, ., PubMed
16. Dehghani –Firoozabady R, Asgharnia M, Kalantar SM. Tayebi N (2006) Use of low-dose human chorionic gonadotropin (hCG) for final follicular maturation in ovulatory women treated by intrauterine insemination. *MEFSJ*, Volume 11, No. 3
17. Rezaeian AH, Kalantar SM. Farajnia S., Soleimani M, Bagi A., Aflatoonian A., Zeinali S (2007) Non-Invasive Evaluation of Embryo Morphological Plasticity Using :New Transgenic Gene Cassette. *IJRM*, Vol.5. No.4. pp: 151-157, Autumn.ISI
18. Ghasemi N., Kalantar SM., et al . (2007) t (3; 22)(q21; q12) in a pregnant woman with two abortions and postnatal death of one offspring. *IJRM.* ;12:2;73-65.
19. Sheikhha, Seyed Mehdi Kalantar, N Ghasemi, (2007) Genetics of polycystic ovary syndrome  
*IJRM*, Vol. 5, No.1, Winter 2007, pp. 1-5
21. Kalantar SM., et al., (2007). Assessment of *Chlamydia trachomatis* infection in female partners of infertile couples. *IJFS*
22. Dehghani Firoozabadi R, SM Klantar et al., (2007) Cytogenetic analysis in couples with recurrent spontaneous abortion. *MEFS*
23. Javed A., Amer J., Rezaei-Zarchi S., Anvari M., and Kalantar SM (2008). Hyper-expressed production of lysine through chemical mutagenesis of *Brevibacterium flavum* by the application of N-nitroso-N-ethylurea. *IBMJ*
24. Aisha Javed, Saeed Rezaei-Zarchi, Seyed Mehdi Kalantar, Madiha Javeed Ghani and Amer Jamil An *in-vitro* comparative study of growth media, sera and FSH effects on the growth and maturation of Syrian mice preantral follicles and the enclosed-oocytes.. submitted. *SAMJ*

25. Seyedhassani SM, Houshmand M, Kalantar SM. (2010) The Point Mutations of Mitochondrial tRNA Threonine and Proline in Idiopathic Repeated Pregnancy loss. IJRM.8,1; 45-50
26. Seyedhassani SM, Houshmand M, Kalantar SM, et al.,(2010) No Mitochondrial DNA Deletions but More D-loop Point Mutations in Repeated Pregnancy Loss. J Assisted Reprod and Genetics.
27. Seyedhassani SM, Houshmand M, Kalantar SM, et al., (2010) BAX Pro-apoptotic Gene alterations in Repeated Pregnancy Loss. Archive of Medical Science Journal
28. Sheikha MH., Kalantar SM., et al., (2011) Investigating the association between polymorphism of follicle-stimulating hormone receptor gene and ovarian response in controlled ovarian hyperstimulation. J. Hum. Reprod. Scie. 4(2), 86-90.
29. Sheikha MH., Kalantar SM., et al., (2012) Association between MTHFR 1298 A>C polymorphism with RSA and IVF failure. Iran. J.Ped.Hemat. Onco, 2 (3) 109-115.
30. Jahaninejad T, Ghasemi N., Kalantar SM, et al., (2013) Analysis of MLH3 C2531T polymorphism in Iranian women with unexplained infertility. Iran. J Reprod. Med. 11 (1), 19-2.
31. Sheikha MH., Zaimy MA., Soleimani S., Kalantar SM, et al., (2013) Multiplex PCR screening of Y chromosome microdeletions in azoospermia ICSI candidate men . Iran. . J Reprod. Med. 11 (4), 5-338.
32. Soleimani S., Kalantar SM., Sheikha MH, et al., Association between Y chromosome AZFc region microdeletion in azoospermic and oligospermic Iranian infertile men. . Iran.J Reprod.Med. 11 (5): 432-434.
33. Zaimy MA., Kalantar SM., et al., (2013) The frequency of Yq microdeletion in azoospermic and oligospermic Iranian infertile men. Iran.J Reprod.Med. 11 (6), 453-458.
- 34.** 34. Javad A., Ahmadian S, Saboury AA., Kalantar SM., Rezaei S (2013) chitosan-coated superparamagnetic Iron Oxide Nanoparticles for Doxorubicin Delivery: synthesis and anticancer Effect Against Human Ovarian Cancer Cells. Chem. Biol Drug Des.1-11
- 35-** T Mirjalili, SM Kalantar, M Shams Lahijani, MH Sheikha, A Talebi (2013) Congenital abnormality effect of methamphetamine on histological, cellular and chromosomal defects in fetal mice  
International Journal of Reproductive BioMedicine 11 (1), 39-46
36. Javad A., Ahmadian Sh., Saboury A., Kalantar SM., et al., (2014), Biocompatible APTES-PEG modified magnetite Nanoparticle: Effective carriers of Antineoplastic Agents to Ovarian Cancer. Appl. Biochem. Biotechnol.
- 37-M Zahraei, MH Sheikha, SM Kalantar, N Ghasemi, T Jahaninejad (2014)The association of arylendosulfatase 1 (SULF1) gene polymorphism with recurrent miscarriage Journal of assisted reproduction and genetics 31 (2), 157-161
- 38- T Dehghan, H Mozdarani, A Khoradmehr, SM Kalantar, M Bakhshandeh, (2014) Evaluation of embryo quality after concurrent use of ovarian stimulating hormones and gamma irradiation ...Iranian journal of reproductive medicine 12 (8), 573
- 39- N Saffarzadeh, SM Kalantar, A Jebali, SH Hekmatimoghaddam (2014), (())The cellular uptake of antisense oligonucleotide of E6 mRNA into cervical cancer cells by DOPE-modified hydroxyapatite nanoparticles Nanomedicine Journal 1 (5), 292-297
- 40- FG Zadegan, K Ghaedi, SM Kalantar, M Peymani, MS Hashemi, (2015), Cardiac differentiation of mouse embryonic stem cells is influenced by a PPAR  $\gamma$ /PGC-1 $\alpha$ —FNDC5 pathway during the stage of cardiac precursor cell formation European journal of cell biology 94 (6), 257-266

- 41- E Taghizadeh, SM Kalantar, R Mahdian, MH Sheikhha, E Farashahi-Yazd (2015) SULF 1 gene polymorphism, rs6990375 is in significant association with fetus failure in IVF technique, ...  
Iranian journal of reproductive medicine 13 (4), 215
- 42- S Ashourzadeh, MA Khalili, M Omid, SNN Mahani, SM Kalantar (2015) Noninvasive assays of in vitro matured human oocytes showed insignificant correlation with fertilization and embryo development Archives of gynecology and obstetrics 292 (2), 459-463
- 43- M Mozafari, SM Kalantar, A Khoradmehr, AH Danafar, M Miresmaeili (2015) Effect of nano silver on morphological and chromosomal abnormality of NMRI mouse fetus. Iranian Journal of Reproductive Medicine
- 44- M Dehghan Tezerjani, MY Vahidi Mehrjardi, SM Kalantar, M Dehghani (2015) Genetic Susceptibility to Transient and Permanent Neonatal Diabetes Mellitus  
International Journal of Pediatrics 3 (6.1), 1073-1081
- 45- S Fallahi, M Rajaei, K Malekzadeh, SM Kalantar (2015) Would Phoenix Dactylflera Pollen (palm seed) be considered as a treatment agent against Males' infertility? A systematic review  
Electronic physician 7 (8), 1590
- 46- MYV MEHRJARDI, MD Tezerjani, NS Mahmoud, SM Kalantar (2016) Newborn with Supernumerary Marker Chromosome Derived from Chromosomes 11 And 22-A Case Report, ...  
Iranian journal of public health 45 (3), 376
- 47- T Dehghan, H Mozdarani, A Khoradmehr, SM Kalantar (2016) Effects of gamma radiation on fetal development in mice International Journal of Reproductive BioMedicine 14 (4), 247
- 48- A Mehdizadeh, MH Sheikhha, SM Kalantar, BS Aali, A Ghanei (2016) Mutation analysis of exon1 of bone morphogenetic protein-15 gene in Iranian patients with polycystic ovarian syndrome  
International Journal of Reproductive BioMedicine 14 (8), 527
- 49- SM Miresmaeili, DMK Tamandani, SM Kalantar, SM Moshtaghioun (2016) Haplotype analysis of BRCA1 intragenic markers in Iranian patients with familial breast and ovarian cancer  
International Journal of Reproductive BioMedicine 14 (4), 271
- 50- F Haghirsadat, M Azhdari, SM Kalantar, S Naderinezhad, ... (2016) Strategy of Improvements in the rapeutic index of medicinal herbs of Iranianin digenous: Synthesis and characterization of phospholipid lipid-based vesicles in corporated Trachyspermum copticum  
SSU\_ Journals 24 (6), 468-478
- 51- MD Tezerjani, R Maroofian, MYV Mehrjardi, BA Chioza, S Zamaninejad (2016) A Novel Mutation in the OFD1 Gene in a Family with Oral-Facial-Digital Syndrome Type 1: A Case Report  
Iranian Journal of Public Health 45 (10), 1359
- 52- S Etebary, MA Khalili, N Yari, SM Kalantar, M Anvari (2016) CRYOPRESERVATION OF TESTICULAR HUMAN SPERMATOZOA BY TWO TECHNIQUES: COMPARISONS OF MSOME, DNA FRAGMENTATION AND MITOCHONDRIAL MEMBRANE POTENTIAL  
International Educational Scientific Research Journal 2 (11)
- 53- V Mokhtari, P Afsharian, M Shahhoseini, M Kalantar, A Moini (2016) A Review on Various Uses of N-Acetyl Cysteine Cell J (Yakhteh) 19 (1)
- 54- SM Kalantar, V Mokhtari (2016) The Role of HOXA Cluster Genes in Human Body Plan Genetics in the 3rd millennium 14 (4)



55- MS Shirsalimian, AA Sepahy, MA Amoozegar, SM Kalantar, R Dabbagh (2016) Isolation of a Mesophilic and Halotolerant Strain of Kocuriapolaris From Gandom Beryan Area in the Lut Desert of Iran, Moderately Resistant to Gamma Radiation and Desiccation  
Biosciences Biotechnology Research Asia 13 (4), 2343-2350

56- Reza Faraji, Behjati-Ardakani, Seyed Mohammad, Seyed Mehdi Kalantar, et al. (2017)  
Evaluation of epidemiological, clinical, and microbiological  
GMS Hygiene and Infection Control 12, 1-7

R Faraji, M Behjati-Ardakani, SM Moshtaghioun, SM Kalantar (2017)  
Evaluation of epidemiological, clinical, and microbiological features of definite infective endocarditis  
GMS Hygiene and Infection Control 12

## Congress and Seminars:

### A- National:

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