

**In the name of God**

**Personal Information:**

**Name:** Marefat Ghaffari Novin

**Qualification:** M.D.& PhD

**Sex:** Male

**Marital status:** Married

**Children:** 3

**Nationality:** Iranian

**Date of birth:** March 21, 1965

**Place of birth:** Tehran, Iran

**Work Adresses:**

Infertility and Reproductive Health Research Center,

Cellular and Molecular Biology Research Center and

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**University Education:**

<b>Level</b>	<b>Description</b>	<b>University</b>	<b>Years</b>	<b>Thesis</b>
M.D.	Medical Doctor	Shahid Beheshti University of Medical Sciences, Tehran, Iran	1983-1990	Study of Pneumonia in children hospitalised in Loghman Hospital.
PhD	Molecular Biology of Reproduction (Clinical Embryology)	Faculty of Medicine, University of Sheffield, U.K	1993-1997	A Combined ultrastructural and molecular Biological Study of Human Endometrium in vivo and in vitro: Implication for fertility and implantation.

**Major professional services:**

<b>Title</b>	<b>Place</b>	<b>Duration</b>
Editorial Board Member of Medical Journal of Reproduction and Infertility	Avesina Research Institute	1999-2008
Editorial Board Member of Bulletin Scientific Newsletter and Patient Newsletter of Fertility and Infertility	Avesina Research Institute	1998- 2004
Scientific secretary of Forth specialized symposium in: Reproductive Endocrinology and Infertility	Tehran, Iran	February 1999
Scientific secretary of Seventh specialized seminar in: Environmental Factors and Infertility	Tehran, Iran	January 2002
Scientific secretary of ART Seminar	Avesina infertility clinic, Tehran, Iran	January 2005
Scientific secretary of Gamete and embryo donation in infertility treatment	Tehran, Iran	March 2006
Assistant Professor of Faculty of Medicine	Shahed University, Tehran, Iran	January 1998-2000
Assistant Professor of Faculty of Medicine	Tabriz University of Medical Sciences	January 2000-2003
Assistant Professor of Avesina Research Institute	Tehran, Iran	2003-2008
Assistant Professor of Cellular and Molecular Biology Research Center, Shaheed Beheshti University M.C., Tehran, Iran	Tehran, Iran	Since 2008
Referee of Iranian Biomedical Journal, Yakhteh, Daneshvar, (Pejouhandeh) Shaheed Beheshti Medical Journal, Iranian Journal of Reproductive Medicine and Modarres Journal of Medical Sciences.		Since 1998

**Major administrative responsibilities:**

<b>Title</b>	<b>Place</b>	<b>Duration</b>
Vice Chancellor of Ardabil University of Medical Sciences	Ardabil University Of Medical Sciences, Ardabil, Iran	1991-1993
Deputy of Treatment & Drug of Ardabil University of Medical Sciences	Ardabil University Of Medical Sciences, Ardabil, Iran	1991-1993
Deputy of Education of Avesina Research Institute	Avesina Research Center, Tehran, Iran	1998-2000
Specialized upgrading committee of Medical Sciences	Iranian Academic center for Education, Culture & research (ACECR), Tehran, Iran	2004-2007
Director of Avesina Infertility Clinic	Avesina Infertility Clinic, Tehran, Iran	2004-2006
Head of Reproductive Endocrinology Embryology& Department of ARI	Avesina Research Institute (ARI), Tehran, Iran	2000-2007
Head of Reproductive biology teaching (PhD)	Shahid Beheshti University of Medical Sciences	2008 until now
Head of ART lab	ART in Taleghani Hospital Shahid Beheshti University of Medical Sciences	2008 until now

**Memberships:**

<b>Title</b>	<b>Place</b>	<b>Duration</b>
Member of Iranian Medical council	Tehran, Iran	Since 1990
Member of society of study for fertility (SSF)	UK	Since 1994

Member of Iranian society of Reproductive Medicine	Tehran, Iran	Since 2000
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**Scientific Experiences:**

<b>Subject</b>	<b>Place</b>	<b>Year</b>
Embryo Biopsy	Avesina Infertility Clinic, ART in Taleghani Hospital Shahid Beheshti University of Medical Sciences	2004
Assisted Hatching	Avesina Infertility Clinic, ART in Taleghani Hospital Shahid Beheshti University of Medical Sciences	2003
Andrology Laboratory	Infertility Center of Tabriz University of Medical Sciences	Since 1998
Embryology Laboratory: IUI, IVF,GIFT,ZIFT, ICSI	Infertility Center of Tabriz University of Medical Sciences and Avesina Research Institute	Since 1998
Human Embryo & Blastocyst Culture	Infertility Center of Tabriz University of Medical Sciences and Avesina Research Institute	Since 1998
Human Sperm,egg & Embryo freezing	Infertility Center of Tabriz University of Medical Sciences and Avesina Research Institute	Since 1998
ART Consultant	Infertility Center of Tabriz University of Medical Sciences and Avesina Research Institute	Since 1998
Recurrent Miscarriage Treatment	Infertility Center of Tabriz University of Medical Sciences and Avesina Research Institute	Since 1998
Light & Electron Microscopy Techniques	Sheffield University	1993-1997
Tissue Culture Technique	Sheffield University	1993-1997
Reproductive, Endocrinology and Immunology	Sheffield University	1993-1994
Reproduction and Fertility	Sheffield University	1993-1994
Advanced Cell Biology & Cell Membrane	Sheffield University	1993-1994
General Practitioner	Khark Island & Ardabil University of Medical Sciences	1990-1993

### Teaching Experiences:

Subject	Students	Place	Year
Cell physiology, Physiology of Reproductive Endocrinology	Medical and midwifery Students	Faculty of Medicine, Shahed University	1998-2000
Pharmacology of Reproductive Endocrinology	Medical and midwifery Students	Faculty of Medicine, Shahed University	1998-2000
Biochemistry of Hormones	MS and PhD students of Biochemist	Faculty of Medicine, Tabriz University of Medical Sciences	2000-2002
Methodology of Research	MS and PhD students of Biochemist	Faculty of Medicine, Tabriz University of Medical Sciences	2000-2002
Peri-implantation embryology	PhD Students of Histology and embryology	Faculty of Medicine, Tabriz University of Medical Sciences	2000-2002
Cell Culture and its application for Reproductive Medicine	PhD Students of Histology and embryology	Avesina Research Center	2001-2002
The Workshop of IUI	Obstetrician & Gynaecology	Avesina Infertility Clinic	2004,2005,2006
The Workshop of Cell Culture	Medical scientists	Avesina research Center	2006-2007
The Workshop of Sperm preparation for ART	Obstetrician & Gynaecology and biologist	Avesina Infertility Clinic	2006-2007
General Human Embryology	Medical, Dental student and Master student of Anatomical sciences	Shaheed Beheshti University M.C., Tehran, Iran	Since 2008
Specialized Human Embryology	Medical student	Shaheed Beheshti University M.C., Tehran, Iran	Since 2008
Cell Biology	Master student of Anatomical sciences	Shaheed Beheshti University M.C., Tehran, Iran	Since 2008

Histopathology of Reproduction, Andrology, ART, Cryopreservation, quality control, peri- implantation embryology	PhD student of Reproductive Biology	Shaheed Beheshti University M.C., Tehran, Iran	Since 2008
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### Research projects :

Subject	Granted from	Place	Duration
Ultrastructural study of process of human blastocyst implantation in vitro using polarized endometrial cells	Ministry of Health, Education & Treatment	Avesina Research Institute	1998-2002
Development of human embryo on Fallopian tube polarized cultured cells	Ministry of Health, Education & Treatment	Avesina Research Institute	1998-2002
Morphological study of ovarian stimulation drug effects on human endometrium during early secretory phase	Tabriz Medical University	Tabriz Medical University	2000-2002
Morphological study of ovarian stimulation drug effects on human endometrium during mid secretory phase	Tabriz Medical University	Tabriz Medical University	2000-2002
T-cell receptor BV gene segment usage in blood and endometrium of normal women and women suffering from recurrent spontaneous abortion	Ministry of Health, Education & Treatment	Avesina Research Institute	2000 -2004
Study of freezing effect on human sperm apoptosis and sperm parameters	Tabriz Medical University	Tabriz Medical University	2002-2204
A panel of monoclonal antibodies against antigens of human spermatozoa	National Research Center of Medical Sciences	Avesina Research Institute	۱۳۷۹-۸۳
Evaluation of role and frequency of antizona antibody in unexplained fertility and role of delay ICSI	Iranian Academic center for Education, Culture & research (ACECR)	Avesina Research Institute	۱۳۷۹-۸۳
Study of genital TB involvement in infertile women with tubal factor etiology	Tabriz Medical University	Tabriz Medical University	۱۳۸۲-۸۵
Invasion study of human embryo <i>in vitro</i>	Iranian Academic center for Education, Culture & research (ACECR)	Avesina Research Institute	2002-2005
Study of freezing effect on blastocyst apoptosis	Tabriz Medical University	Tabriz Medical University	2002-2004
Evaluation and determination of human sperm antigens in fertilization process.	Ministry of Health, Education & Treatment	Avesina Research Institute	2004-2005

Study of environmental factors effect on fertility from staff's point of view working on infertility fields in Iran.	Avesina Research Institute	Avesina Research Institute	2002-2003
Evaluation of Jurisprudential and Legal aspects of ovum and embryo transfer and donation in IVF centers of Tehran Province	Iranian Academic center for Education, Culture & research (ACECR)	Avesina Research Institute	2000-2002
Designing an ELISA method for quantitative measurement of Antisperm Anitbody (ASA) in serum, follicular fluid, cervical mucus and seminal Fluid	Ministry of Health, Education & Treatment	Avesina Research Institute	1379-83
Induction of Endometriosis by implantation of endometrial fragments in female rats	Iranian Academic center for Education, Culture & research (ACECR)	Avesina Research Institute	1382-84
Prevalence of mycoplasma hominis & ureaplama urealyticum in infertile women, comparison with their husbands	Faculty of Medicine, Shaded University	Avesina Research Institute	1384-85
Cytotoxic and histopathological effects of ciprofloxacin on testicular tissues and spermatogenesis in rats	Azad University	Avesina Research Institute	1383-85
The consent forms of treatment, surgery, interventional techniques (ICSI/IVF), voluntary termination of treatment	Avesina Research Institute	Avesina Research Institute	1383-84
Cytotoxic effect of aminoglycosides (gentamycin and neomycin) on fertility and function of testicular rats	Azad University	Avesina Research Institute	1384-1385
Chlamydia Trachomatis and male infertility in Tehran	Shahid Beheshti University of Medical Sciences	Avesina Research Institute	1383
CRP serum level and result of ART	Avesina Research Institute	Avesina Research Institute	1383
The comparison between two method of cryopreservation, vitrification and vapour phase on motility, DNA fragmentation and autonomous acrosome .reaction of human spermatozoa	Avesina Research Institute	Avesina Research Institute	138۴-1385
Infertile patients DNA banking	Molecular medicine network	Avesina Research Institute	1383

Study of mutation in SYCP3 gene in azoospermic men	Molecular medicine network	Avesina Research Institute	1383-1385
Comparison study of ODF <sub>2</sub> protein in tail of sperm in fertile and infertile with motility and concentration problems	Iranian Academic center for Education, Culture & research (ACECR)	Avesina Research Institute	1384
Study the relationship between sperm function test and outcome of assisted reproductive techniques in couples attending Avesina Research Institute	Iranian Academic center for Education, Culture & research (ACECR)	Avesina Research Institute	1384
Application of Nanoparticle Quantum dots technology In the early diagnosis of ovarian carcinoma and breast cancer	Ministry of Health, Education & Treatment	Avesina Research Institute	2005
Evaluation anti fertility effect of crude of centella asiatica on female and male mice	Iranian Academic center for Education, Culture & research (ACECR)	Avesina Research Institute	1382-85
Effect of Rosmarinus officinalis extract on male reproductive tract in rats.	Iranian Academic center for Education, Culture & research (ACECR)	Avesina Research Institute	1385-86
Design an immuno fluorescent method for detection an apoptotic spermatozoa	Iranian Academic center for Education, Culture & research (ACECR)	Avesina Research Institute	1385-86
Designing of an ELIZA method for quantitative measurement of inhibin B	Iranian Academic center for Education, Culture & research (ACECR)	Avesina Research Institute	1385-86

Study of zona pellucida thickness, volume and area of oocyte in women with female factor and their effect on ART outcome	Avesina Research Institute	Avesina Research clinic	1386-87
The impact of assisted hatching on ART outcome in women with female factor	Avesina Research Institute	Avesina Research clinic	1386-87
Production of induced Pluripotent Cells (iPS) from mesenchymal bone marrow cell	Iranian National Science foundation	Nanotechnology research center, Shahid Beheshti University, M.C., Tehran, Iran	2008
endothelial Nitric Oxide synthase in human testis in obstructive azospermia	Infertility and reproductive health research center	Shahid Beheshti University, M.C., Tehran, Iran	2009
endothelial Nitric Oxide synthase in human testis in non obstructive azospermia	Infertility and reproductive health research center	Shahid Beheshti University, M.C., Tehran, Iran	2009
Gene and protein expression of endothelial Nitric Oxide synthase in human endometrium in enometriosis	Molecular and cell biology research center	Shahid Beheshti University, M.C., Tehran, Iran	2009
Gene and protein expression of endothelial Nitric Oxide synthase in human endometrium in recurrent miscarriage	Infertility and reproductive health research center	Shahid Beheshti University, M.C., Tehran, Iran	2009

Gene and protein expression of endothelial Nitric Oxide synthase in human uterine myoma	Infertility and reproductive health research center	Shahid Beheshti University, M.C., Tehran, Iran	2009
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## Publications:

### A. Papers:

Authors	Title	Year	Journal	Issue No.	Pages
S.A. Sarani, <b>M.Ghaffari-Novin</b> , M.A. Warren, P.Dockery and I.D.Cooke.	Morphological evidence for the 'Implantation Windows' in Human Luminal Endometrium.	1999	Human Reproduction	Vol. 14, No.12	3101-3106
<b>M.Ghaffari</b> , S.A. Sarani, M.A. Warren, and I.D. Cooke	Leukemia Inhibitory Factor in Fertile and Infertile Human Reproductive Tract <i>in vivo</i>	2000	Iranian Journal of Allergy, Asthma and Immunology	Vol. 1, No.1	21-27
S.A. Sarani, <b>M. Ghaffari-Novin</b> and et al.	An Ultrastructural study of Human Luminal Endometrial Cells Following Different Doses of Oestrogen Replacement Therapy	2001	Yakhteh (THE CELL)	Vol. 3, No. 11	143-159
<b>M. Ghaffari</b> and et al.	Morphology of human endometrial epithelial cells <i>in vitro</i> and its application for human implantation.	2000	Journal of Shahid Sadoughi University of Medical Sciences and Health	Vol. 8, No 3 (Third Special Issue On Infertility)	3-11
<b>M. Ghaffari.</b>	Effects of artificial extracellular matrix on function of human endometrial epithelial cells <i>in vitro</i> .	2000	Medical Journal Of Reproduction and Infertility	Vol. 1, No.2	40-49
Akhondi M.A., <b>M. Ghaffari</b> and et al.,	Intracytoplasmic sperm infection (ICSI) of one and two day(s)-old oocytes after complete <i>in vitro</i> fertilization (IVF) failure.	2000	Medical Journal Of Reproduction and Infertility	Vol. 1, No. 3	23-29
M. Nouri, <b>M. Ghaffari</b> and et al.,	Serum and follicular fluid IL-6 & sex hormone levels and their correlation with endometriosis and pregnancy rate in IVF-ET women.	2000	Medical Journal of Reproduction and Infertility	Vol.1, No. 4	55-69

M. Nouri, <b>M. Ghaffari</b> and et al.,	Effects of IL-6 on steroidogenesis of human granulosa cells in vitro.	2001	Medical Journal of Reproduction and Infertility	Vol.2, No. 5	40-49
Mehraein F., <b>Ghaffari M.</b> and et. al.,	Morphometric study of the effects of GnRH analogue/HMG/HCG on ultrastructure of human endometrial epithelium in the early luteal phase.	2002	Medical Journal Of Reproduction and Infertility	Vol. 3, No. 9	4-12
Zharghami N., <b>Ghaffari M.</b> and et. al.,	Sperm DNA oxidative damages in infertile man	2002	Medical Journal of Reproduction and Infertility	Vol. 3, No. 11	65-75
<b>Ghaffari M.</b> and et. al.,	Effect of different culture media on fallopian tube and human embryo development	2003	Medical Journal of Reproduction and Infertility	Vol.4-Issue 1	5-17
Zharghami N., <b>Ghaffari M.</b> and et. al.,	IGF-I and PSA in serum or semen of infertile male	2003	Medical Journal of Reproduction and Infertility	Vol. 4-	288-294
Amidi F., <b>Ghaffari M.,</b>	Human Sperm Aster Formation and Chromatin Configuration in Rabbit Oocytes Following Intracytoplasmic Sperm Injection Using a Piezo-Micromanipulator	2004	Iranian Biomedical Journal	Vol. 8-N 2	63-68
Rajaii, <b>Ghaffari M.,</b>	The effect of frigidity on cellular changes and the rate of Apoptosises in Blastosist	2004	Medical Journal of Reproduction and Infertility	Winter 82	14-22
Bazi <b>Ghaffari M.,</b>	Morphometrical study of the effects of ovulation induction drugs in long protocol on ultrastructure of human endometrial epithelium during the implantation window	2004	Medical Journal of Reproduction and Infertility	Vol. 5-N2	105-114

Zarghami <b>Ghaffari M.</b> ,	Relationship between level of lipid peroxidation markers in seminal plasma and sperm motility	2004	Medical Journal of Reproduction and Infertility	Vol. 5-N2	129-138
Zohreh Alizadeh-Parichehr Pasbakhsh- Aligholi sobhani- Mohammad Barbarestani- <b>Marefat Ghaffari</b> and Faride Etesam	Time Course of Degradation and deadenylation of maternal c-mos and Cylin A2 mRNA during Early Development of one-cell Embryo in mouse	2004	Iranian Biomedical Journal	8(4)	179-183
Peirouvi T, <b>Ghaffari Novin M</b> , Soleimani Rad J, Farzadi L.	Effect of vapour phase cryopreservation on acrosome of spermatozoa in fertile and subfertile men	2005	Medical Journal of Reproduction and Infertility	5(3)	208-216
Zarnani A, Mohammadzadeh A, Ghaffari M, et al.	A Reported case of recurrent Hydropase caused by mother Aloo immunization against kell Antigen	2005	Journal of Blood Research	2(3)	59-64
Pouneh Dokouhaki, Alireza Razavi , Rosa Moghaddam, Firoozeh Akbariasbagh, <b>Marefat Ghaffari Novin</b> , Amirhassan Zarnani, and Mahmood Jeddi-Tehrani	Oligoclonal Expression of T-Cell Receptor Beta Variable Genes in Norm; Human Endometrium	2005	Iranian Journal of Allergy, Asthma and Immunology	4(2)	67-76.

Pouneh Dokouhaki, Rosa Moghaddam, Firoozeh Akbariasbagh, Amirhassan Zarnani, <b>Marefat Ghaffari Novin</b> , Alireza Razavi , and Mahmood Jeddi-Tehrani	Expression profile and clonality of T-Cell Receptor Beta Variable Genes in Normal Human Endometrium	2006	American Journal of Reproductive Immunology	55	349-359
Reza Behjati, Mohammad Hossein Modarressi, Mahmood Jeddi-Tehrani, Pouneh Dokoohaki, Jamileh Ghasemi, Amir Hassan Zarnani, Mohammad Arabi, Toktam Memariani, <b>Marefat Ghaffari</b> , Mehdi A. Akhondi	Thrombophilic Mutations in Iranian Patients with Infertility and Recurrent Spontaneous Abortion	2006	Annals of Hematology	7(3)	268-71.
Aarabi M., Soltangharaee H., Aarabi M., Behjati Ardakani R., Amirjannati N., <b>Ghaffari M.</b> , Sadeghi M.R., Modarressi M.H.	Expression of Synaptonemal Complex Protein 3 (SYCP3) mRNA in the testis: a molecular marker for spermatogenesis in azoospermic men	2006	Journal of Reproduction & Infertility	7 (25)	495-504
Khaki A., shohrabpour A., <b>Ghaffari novin M.</b> , and et al.,	Effects of Ciprofloxacin on rat Sertoli cells	2006	Iranian South Medical Journal	8(2)	110-118

Khaki A., shohrabbour A., <b>Ghaffari Novin M.</b> , and et al.,	Survey the Effects of Ciprofloxacin on rat Testis Tissue Considering Electron Microscopy	2006	Journal of Medical Faculty Guilan University of Medical Sciences	15(57)	7-14
Pirovi T. Kariminpour M., Soleimani Rad J. and <b>Ghaffari M.</b>	The effect of vitrification on apoptosis of spermatozoa in fertile and subfertile men	2006	Urmia Medical journal	16(4)	205-211
Zahiri M., <b>Ghaffari Novin M.</b> and et al.,	The effect of Matrigel on the developmental processes of mouse blastocysts	2006	Journal of Reproduction & Infertility	7(1)	7-16
Mohammadzadeh A., Heidari M., Soltan Ghoraii H., zarnani A., <b>Ghaffari Novin M.</b> , and et al.,	Induction of Endometriosis by implantation of endometrial fragments in female rats	2006	Iranian Journal of Reproductive Medicine	4(2)	63-68
Khaki A., <b>Ghaffari Novin M.</b> , and et al.,	The effect of aminoglycosides antibiotics on rat spermatogenesis	1385	Medical Journal of Tabriz University of Medical Sciences	28(4)	49-54
<b>Marefat Ghaffari Novin</b> and Mohammad Nouri	Effect of Matrigel on function and morphology of human endometrial epithelial cell <i>in vitro</i>	2007	Iranian Biomedical Journal	11(2)	87-94
Khaki A., <b>Ghaffari Novin M.</b> , and et al.,	Cytotoxic effect of ciprofloxacin on rat Testis tissue	2007	Medical Journal of Hamedan University of Medical Sciences	14(1)	56-62

Heidari M., Jamshedi A.H., Akhondzadeh Sh., <b>Ghaffari Novin M.</b> , Sadeghi M.R, Ghazi Khansari M., Akhondi M.A.	Evaluating the effects of Centella asiatica on spermatogenesis in rats	2007	Journal of Reproduction & Infertility	7(4)	367-374
<b>Ghaffari Novin M.</b> , and et al.,	Morphometric study of GnRH analogue/HMG/HCG effects on ultrastructure of human endometrial epithelium in early and mid luteal phase	2007	Journal of Obstetrics & Gynaecology Research	33(5)	681-687
Khaki A., <b>Ghaffari Novin M.</b> , Ebrahim nezhad AA, Khaki AA	Survey of induced apoptosis effect of ciprofloxacin in rats testis by tunel technique	2007	Journal of Medical Faculty Guilan University of Medical Sciences	16 (61)	22-29
<b>Ghaffari Novin M.</b> , and et al.,	In vitro application of Matrigel enhances human blastocyst formation and hatching	2007	Iranian Journal of Reproductive Medicine	5(3)	103-107

Mohammadzadeh, A; Heidari, M ; Soltanghoraiee, H ;Jeddi- Tehrani, M; , <b>Ghaffari Novin</b> , M ;Akhondi, M.A ;Zeraaty ,H ; Mohammadzadeh, F.	The effect of pentoxifylline on the growth of endometrial implants and leukocytes in rats.	2007	Iranian Journal of Reproductive Medicine	5(3)	89-93
Pierovi T. Farjah G. Soleimani Rad J. <b>Ghaffari Novin M.</b>	Vitrification induced apoptosis in spermatozoa from fertile and subfertile men	2007	Iranian Journal of Reproductive Medicine	5(3)	117-120
Heidari M., Ameri F., <b>Ghaffari-Novin M.</b> , Vaezi G.H., Keramati K. Rajaei F.	Antiandrogenic effects of Rosmarinus officinalis extract on the reproductive tract of male rats	2008	Tehran University Medical Journal	65, sup 3	26-32
Amir-Jannati N., <b>Ghaffari-Novin M.</b> Irani Shemirani A. Modarresi M.H. Akhondi M.A., Jeddi-tehrani M.	Hormonal abnormalities and histopathology of testis in azoospermic patients with Klinefelter's syndrome	2008	Tehran University Medical Journal	65, sup 3	49-55

Mohammadzadeh A, Soltanghoraiee H., Heidari M., <b>Ghaffari Novin</b> M., Jeddi-Tehrani M., Mohammadzadeh F.	Serum whit blood cell changes in female rats with endometriosis	2008	Tehran University Medical Journal	65, sup 3	62-66
Sadeghi M.R., Akhondi M.A., Hodjat M., Mobaraki M., Bolurzadeh M., Amir-JannatiN., Zonobi M., <b>Ghaffari Novin M.,</b>	Correlation between the result of sperm function test and ICSI	2008	Tehran University Medical Journal	65, sup 3	73-82
Khaki A., <b>Ghaffari Novin M.,</b> and et al.,	Evaluation of Effect of Aminoglycosides (Gentamicin, Neomycin,Streptomycin) and Fluoroquinolones(Ofloxacin )antibiotics on Testis Apoptosis by TUNEL assay in Rat.	2008	Medical Journal of Tabriz University of Medical Sciences	30(1)	43-49

Mohammadzadeh A; Heidari,M; Soltanghoraiee, H ;Jeddi- Tehrani, M; , <b>Ghaffari</b> <b>Novin</b> , M ;Akhondi, M.A ;Zeraaty ,H; Mohammadzadeh, F.	Evaluation of the effect of Pentoxifylline on serum and peritoneal WBC count in female rats with Endometriosis	2008	Journal of Obstetrics & Gynaecology Research	Vol. 34, No. 3:	307–313
Nouri M., Ghasemzadeh A., Farzadi L., Shahnazi V.and <b>Ghaffari Novin M.</b>	Vitamins C, E and lipid peroxidation levels in sperm and seminal plasma of asthenoteratozoospermic and normozoospermic men	2008	Iranian Journal of Reproductive Medicine	Vol.6. No.1.	1-5
Arefi S, Soltanghoraee H , Zarnani AH, Sadeghpour Tabaei A , <b>Ghaffari Novin M</b> , ojat ZeraatiH, Ebadi P	Repeated IVF/ICSI-ETs failures and impact of hysteroscopy	2008	Iranian Journal of Reproductive Medicine	Vol.6. No.1.	19-24
Zarei S. , Arefi S. Zarnani A.H. Mohammadzadeh A., Ghaffari-Novin M., Jeddi-Tehrani M.	Repeated Implantation Failures Following Embryo Transfer	2008	Journal of Reproduction & Infertility	Vol.6. No.1.	380-396

Arash Khaki, Mahnaz Heidari, <b>Marefat Ghaffari Novin</b> , Amir Afshin Khaki	Adverse effects of ciprofloxacin on testis apoptosis and sperm parameters in rats.	2008	Journal of Reproduction & Infertility	Vol.6. No.2	71-76
A. Khaki, <b>M. Ghaffari Novin</b> , A. A. Khaki, M. Nouri, E. Sanati and M.Nikmanesh	Comparative Study of the Effects of Gentamicin, Neomycin, Streptomycin and Ofloxacin Antibiotics on Sperm Parameters and Testis Apoptosis in Rats	2008	Pakistan Journal of Biological Sciences	13(11)	1683-1689
P. Dokouhaki , R. Moghaddam , M. Rezvany , J. Ghassemi , <b>M. Ghaffari Novin</b> , A. Zarnani , M.M. Akhondi , M. Ostadkarampour, H. Mellstedt , A. Razavi , M. Jeddi-Tehrani	Repertoire and Clonality of T-Cell Receptor Beta Variable Genes Expressed in Endometrium and Blood T Cells of Patients with Recurrent Spontaneous Abortion	2008	American Journal of Reproductive Immunology	Volume 60 Issue 2	160 - 171
A. Khaki, M. Ghaffari Novin, AA Khaki, F Fathiazad, M. Khaberi, J. Hossinchi and R. sehizadeh	Ultra structural study of gentamicin and ofloxacin effect on testis tissue in rats: Light and transmission electron microscopy	2009	African Journal of Pharmacy and Pharmacology	Vol. 3(4)	105-109
Arash Khaki, Fatemeh Fathiazad2 Mohammad Nouri, Amir Afshin Khaki Chelar C Ozanci <b>Marefat Ghafari-Novin M</b> Mohammad Hamadeh	The effects of Ginger on spermatogenesis and sperm parameters of rat	2009	Iranian Journal of Reproductive Medicine	Vol.7. No.1	7-12,

<p>Khadijeh.Foghi , <b>Marefat. Ghaffari Novin,</b>  Zahra.Madjd Jabbari,  Tohid. Najafi,  Mohammad. Hasan.  Heidari and Abouzar.  Rostampour yasoori</p>	<p>Immunohistochemical localization of endothelial nitric oxide synthase in testicular tissue of men with Non- obstructive azoospermia</p>	<p>2011</p>	<p>Iranian Journal of Reproductive Medicine</p>	<p>In press</p>	
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**B. Books:**

<b>Authors</b>	<b>Title</b>	<b>Year</b>	<b>Publisher</b>	<b>ISBN</b>
Arefi S. Jeddi Tehrani M. <b>Ghaffari M.</b> and Sadeghi	New edition in recurrent abortion syndrome	2003	Avesina Research Institute and Timorzadeh	
Arefi S., Mohammad mehdi A., Naser J., Heidari M., Sadeghi M., Sadri H., <b>Ghaffari M.</b> , Mohammadzadeh A., Maleki H.,	Assisted Reproduction Laboratory	2004	Avesina Research Institute	
Khashavi Z, Modaresi M, <b>Ghaffari M.</b> , Naghavi B, Akhondi M, Aflatoonian	Reproductive Biotechnology	2005	Avesina Research Institute	

### C. Abstracts (in journals & Conference Presentations):

Authors	Title	Year	Journal	Issue No .	Pages
M. Ghaffari, M.A. Warren	Leukemia Inhibitory Factors in Human Endometrium <i>in vivo</i> and <i>in vitro</i> .	1996 Belfast, <b>UK</b>	Journal of Anatomy	188	255
M. Ghaffari, M.A. Warren	Some Effects of Leukemia Inhibitory Factor Supplementation on the Ultrastructure of Human Polarized Endometrial Epithelial Cell <i>in vivo</i> .	1997 London, <b>UK</b>	Journal of Reproduction and fertility	20	13
M. Ghaffari, M.A. Warren	Leukemia Inhibitory Factor mRNA in Human Reproductive Tract <i>in vivo</i> and the Effects of Steroid Hormone Supplementation on Endometrial Cells <i>in vivo</i> .	1997 London, <b>UK</b>	Journal of Reproduction and fertility	20	13
M. Ghaffari	Important factors in human implantation. Third Seminar in Advanced infertility Diagnosis & Treatment.	1997 Tehran, Iran	3 <sup>rd</sup> Seminar and 5 <sup>ed</sup> Workshop on Treatment of Infertility, Royan Institute	Abstract book	27
M. Ghaffari	Assisted Reproductive Technology.	1998 Tehran, Iran	First specialized fertility and infertility symposium in Legal-jurisprudential aspects of egg and embryo donation, ARC	Abstract book	3
M. Ghaffari, M. Akhondi, M.A. Warren.	Effects of Steroid Hormone Supplementation on Ultrastructure and Function of Human Polarized Endometrial Epithelial Cells <i>in vitro</i> .	1999, Sharm El Sheikh – <b>Egypt</b>	Middle East Fertility Society Journal		16

<b>M. Ghaffari</b>	Pathophysiology of recurrent spontaneous abortion.	1999 Tehran, Iran	Second specialized fertility and infertility symposium: Immunological factors in recurrent spontaneous abortion, ARC	Abstract book	16
<b>M. Ghaffari</b>	Infection and ART.	1999 Tehran, Iran	Third specialized fertility and infertility symposium: Infection and Infertility, ARC	Abstract book	20
<b>M. Ghaffari</b>	Luteal Phase Defect and Ovulation Induction.	1999 Tehran, Iran	Forth specialized fertility and infertility symposium in Reproductive Endocrinology and Infertility, ARC	Abstract book	22
<b>M. Ghaffari</b> and M. A. Warren.	Some effects of artificial ECM on function and morphology of human endometrial cells <i>in vitro</i> .	1999 Tehran, Iran	14 <sup>th</sup> Iranian Congress of Physiology and Pharmacology	Abstract book	170
<b>M. Ghaffari</b> , M. Akhondi, M.A. Warren, M. Nouri.	Effects of Artificial Extracellular Matrix on Function and Morphology of Human Endometrial Epithelial cells <i>in vitro</i>	2000 ESHRE Bologna, <b>Italy</b>	Human Reproduction	Vol.15	199
<b>M. Ghaffari</b>	Gamete and Embryo maturation <i>in vitro</i> .	2000 Tehran, Iran	Fifth specialized fertility and infertility symposium: Genetic and Biotechnology of Reproduction. ARC	Abstract book	16

<b>M. Ghaffari</b>	Genetic and Reproduction	2000 Arabil, Iran	Seminar of Genetic in Medicine	Abstract book	
<b>M. Ghaffari</b> and M. Nouri,	Effects of steroid hormones on ultrastructure and function of human postmenopausal endometrial epithelial cells <i>in vitro</i> .	2000 DC, <b>USA</b>	XVI FIGO world Congress, International journal of Gynaecology & Obstetrics		14
<b>M. Ghaffari</b>	Recurrent spontaneous abortion. Specialized seminar for Obstetrics and Gynaecology	2001 Tabriz, Iran	Specialized seminar for Obstetrics and Gynaecology		
<b>M. Ghaffari</b> and et al.,	Effects of Matrigel on function and morphology of human postmenopausal endometrial epithelial cells <i>in vitro</i> .	2001 Lausanne <b>Swaziland</b>	Human Reproduction	Vol.16	178
M. Nouri, L. Mettler, <b>M. Ghaffari</b> and et al.,	Down regulation of estrogen and progesterone by IL-6 in human granulosa cell culture.	2001 Yazd, Iran	The 9 <sup>th</sup> Iranian Congress of Fertility & Infertility	Abstract book	84
A. Salmassi, L. Mettler, <b>M.Ghaffari</b> and et al.,	Detection of M-CSF and its receptor on human granulosa cells.	2001 Yazd, Iran.	The 9 <sup>th</sup> Iranian Congress of Fertility & Infertility	Abstract book	93
<b>M. Ghaffari,</b>	Environmental factors and reproductive health.	2002 Tehran, Iran	Specialized seminar on Environmental factors and infertility	Abstract book	11

<b>M. Ghaffari.</b>	Recurrent spontaneous abortion.	2002 Tabriz, Iran	Specialized seminar for Obstetrics and Gynaecology		
Akhondi M.A., <b>Ghaffari M.</b> , Sadri Ardakani H. and et al.	Environmental Factors and Infertility from viewpoint of infertility specialist.	2002 Tehran, Iran	Seventh specialized seminar in: Environmental Factors and Infertility. ARC	Abstract book	12
Farzadi L., <b>Ghaffari M.</b> and et al.,	Correlation study of insulin-like growth factor, prostatic-specific antigen and male fertility factors.	2002 Montreal, <b>Canada</b>	11 <sup>th</sup> world congress on human reproduction,	Abstract book	P-10
Nouri M., <b>Ghaffari M</b> and et al.,	Study of sperm DNA oxidative damage in male infertility.	2002 Montreal, <b>Canada</b>	11 <sup>th</sup> world congress on human reproduction	Abstract book	P-11
<b>Ghaffari M and et al.,</b>	Leukaemia inhibitory factor in human postmenopausal endometrial and Fallopian tube cells <i>in vivo</i> and <i>in vitro</i> .	2002 Montreal, <b>Canada</b>	11 <sup>th</sup> world congress on human reproduction	Abstract book	P-012
Ghasemzadeh A, <b>Ghaffari M</b> and et al.,	Comparison of clomiphene citrate alone with clomiphene citrate plus human menopausal gonadotrophin in intrauterine insemination.	2002 Montreal, <b>Canada</b>	11 <sup>th</sup> world congress on human reproduction	Abstract book	P-027
<b>Ghaffari M.</b> , Akhondi M. and Heidari M.	Matrigel enhances in vitro blastocyst formation in human embryos.	2002 Cambridge <b>UK</b>	6 <sup>th</sup> INTERNATIONAL CONGRESS on THE CELL BIOLOGY OF REPRODUCTION	Abstract book	

<b>Ghaffari M.</b>	Development of Human Embryo	2003 Kermanshah Iran	Abortion seminar	Medical Journal Of Reproductio n and Infertility, suppl.1	21-22
Jafarzadeh M., <b>Ghaffari M.</b> , and M. G. Seyed Fatemi,	The Attitude of Iranian Law to Egg Donation: Present Situation and Future Prospects	7 Feb - 10 Feb 2003, London, <b>UK</b>	1st International Conference on Egg Donation	Abstract book	
M. G. Seyed Fatemi, Jafarzadeh M., and <b>Ghaffari M.</b> ,	Muslim's View on Moral Aspects of Patentability of Human Embryo	28 - 29 March 2003 University of Cambridge, <b>UK</b>	Workshop on The Bioethical Issues of Intellectual Property Rights , Intellectual Property Unit	Abstract book	
<b>Ghaffari M.</b> , and et al.,	CO-CULTURE OF HUMAN EMBRYOS WITH POLARISED AND UNPOLARISED FALLOPIAN TUBE EPITHELIAL CELLS	24. – 27. April 2003 Berlin, <b>Germany</b>	4 <sup>th</sup> World Congress on Controversies in Obstetrics, Gynaecology & Infertility	Abstract book	

Shahnazi V. and <b>Ghaffari M.,</b>	MORPHOMETRIC STUDY OF THE EFFECTS OF GNRH ANALOGUE/HMG/HCG ON ULTURA STRUCTURE OF HUMAN ENDOMETRIAL EPITHELIUM IN THE EARLY LUTEAL PHASE.	24. – 27. April 2003 Berlin, <b>Germany</b>	4 <sup>th</sup> World Congress on Controversies in Obstetrics, Gynaecology & Infertility	Abstract book	
Rezaei A and <b>Ghaffari M.,</b>	EFFECTS OF DIFFERENT CULTURE MEDIA ON FALLOPIAN TUBE EPITHELIAL CELL AND HUMAN EMBRYO DEVELOPMENT	24. – 27. April 2003 Berlin, <b>Germany</b>	4th World Congress on Controversies in Obstetrics, Gynaecology & Infertility	Abstract book	
<b>Ghaffari M.,</b>	Environmental factors and recurrent miscarriage	28 – 30 May 2003 Tehran, Iran	1st Congress of fertility and infertility society	Abstract book	
Nouri M., <b>Ghaffari M.,</b>	MORPHOMETIC STUDY OF GnRH ANALOGUE/hMG/hCG EFFECTS ON ULTRASTRUCTURE OF HUMAN ENDOMETRIAL EPITHELIUM IN EARLY LUTEAL PHASE	27-29 May 2004, <b>Bolona,</b> <b>Italy</b>	Fourth World Congress on Ovulation Induction from Anovulation to Assisted Reproduction	Abstract book	56
<b>Ghaffari M.,</b>	MORPHOMETRICAL STUDY OF OVULATION INDUCTION EFFECTS WITH LONG PROTOCOLS ON ULTRASTRUCTURE OF HUMAN ENDOMETRIAL EPITHELIUM AT THE TIME OF IMPLANTATION WINDOW	27-29 May 2004, <b>Bolona,</b> <b>Italy</b>	Fourth World Congress on Ovulation Induction from Anovulation to Assisted Reproduction	Abstract book	62
<b>M. Ghaffari,</b> Tahmineh Pirouvi, Jafar Soleimani Rad	The effect of vitrification on sperm membrane damage in fertile and infertile men	14-17 April 2005, <b>Athens, Greece</b>	7th World Congress on Controversies in Obstetrics, Gynecology & Infertility	Abstract book	A26

Naser A.Jannti, <b>M. Ghaffari</b> , T. Pierovi, J. Soleimani Rad	Effect of vitrification on fertilizing capacity of spermatozoa in fertile and infertile men	14-17 April 2005 <b>Athens, Greece</b>	7th World Congress on Controversies in Obstetrics, Gynecology & Infertility	Abstract book	A64
M. Nouri, <b>M. Ghaffari</b> , V. Shahnazi	Some effects of Artificial Extra cellular matrix on function and morphology of human endometrial epithelial cells in vitro	14-17 April 2005 <b>Athens, Greece</b>	7th World Congress on Controversies in Obstetrics, Gynecology & Infertility	Abstract book	A64
Heidari M, Partou Azar A, Chazi Khansari M, <b>Ghaffari M.</b>	Study of Testicular Cytotoxicity ofloxacin in rats	6-8 December 2004, Iran	8 <sup>th</sup> Iranian congress of toxicology	Abstract book	99
Zarnani A, Mohammadzadeh A, <b>Ghaffari M</b> , et al.	A Reported case of recurrent Hydropase caused by mother Aloo immunization against kell Antigen	2005 Tehran, Iran	Iranian congress of Obs. & Gyn.	Abstract book	99
Arefi S, <b>Ghaffari Novin, M.</b> and et al.,	Value of hysteroscopy after repeated IVF failures	1384, Tehran, Iran	Six international conference on obs and gyn	Abstract book	
Arefi S, <b>Ghaffari Novin, M.</b> and et al.,	Recurrent spontaneous abortions and genetics factors	1385, Tehran, Iran	Second conference on genetic and disease		

<b>Ghaffari Novin, M.</b>	Medical Death	2006 Tehran, Iran	International Congress on Attitudes towards Death in the Context of Social and Technological Changes: Challenges for Muslims and Christians	Abstract book	36
<b>Ghaffari Novin, M.</b>	Chlamydia and ART	2006 Tehran, Iran	Workshop on Chlamydia and Reproduction	Abstract booklet	29
<b>Ghaffari Novin, M.</b>	MORPHOMETIC STUDY OF GNRH ANALOGUE/HMG/HCG EFFECTS ON ULTRASTRUCTURE OF HUMAN ENDOMETRIAL EPITHELIUM IN EARLY AND MID LUTEAL PHASE	2006 Varanasi, <b>India</b>	Indo-French infertility congress		
<b>Ghaffari Novin, M.</b>	STUDY OF ATTACHMENT AND INVASION OF HUMAN EMBRYO <i>IN VITRO</i>	2006, <b>Malaysia</b>	XVIII FIGO World Congress of Gynaecology & Obstetrics.		
<b>Ghaffari Novin, M. and et al.,</b>	Effects of Ciprofloxacin on testis apoptosis and sperm parameters in rat	2006 August 27 to September 1, Ljubljana, <b>Slovenia</b>	The 44th scientific meeting of the International Association of Forensic Toxicologists (TIAFT)		
<b>Ghaffari Novin, M. and et al.,</b>	Extracellular matrix enhances human blastocyst formation and hatching in culture	2007, Tehran, Iran	The 13 <sup>th</sup> Iranian congress of fertility and infertility		173
Heidari M., <b>Ghaffari Novin, M. and et al.,</b>	Effect of Centella Asiatica on sperm and testis in rat	2007, Tehran, Iran	The 13 <sup>th</sup> Iranian congress of fertility and infertility		122

<b>Ghaffari Novin M.</b>	Human Sperm cryopreservation	2007, Tehran, Iran	The 13 <sup>th</sup> Iranian congress of fertility and infertility		122
<b>Ghaffari Novin M.</b>	Endometrial factors in recurrent miscarriage	2007, Tehran, Iran	Recurrent miscarriage workshop		
Heidari M., <b>Ghaffari Novin, M.</b> and et al.,	Study of anti fertility effect of crude extract of Centella Asiatica in male mice	2007, Siraz, Iran	The 9 <sup>th</sup> Iranian toxicology congress		
Mohammadzadeh, A; Heidari, M ; Soltanghoraiee, H ;Jeddi-Tehrani, M; <b>Ghaffari Novin</b> , M ;Akhondi, M.A ;Zeraaty ,H ; Mohammadzadeh, F.	Evaluation of the impressive effect of Pentoxifylline on WBC count in serum and peritoneal fluid and also the growth of endometriotic implants in female rats.	the 2nd International of Student Award and Congress in Reproductive Medicine, Yazd, Iran, 11-13 May, 2007	Iranian Journal of Reproductive Medicine,	Vol5, Sup.1, Spring 2007	55
Khaki A., <b>Ghaffari Novin M.</b> , and et al.,	The effects of aminoglycosides (gentamicin, neomycin, streptomycin) and fluoroquinolones (ofloxacin) antibiotics on apoptosis of rat testis tissue using Tunnel.	Royan international Research Award and Congress, 2007, Tehran, Iran	Yakhtheh Medical Journal	Vol. 9 Sup. 1	15
Ameri F., <b>Ghaffari Novin M.</b> and et al.,	Antiandrogenic effect of Rosmarinus officinalis extract in male rat.	Mashad, Iran 2007			

<b>Ghaffari Novin M,</b> Ameri F.,. and et al.,	Effect of Rosmarinus officinalis extract on male reproductive tract in rats.	Tehran, Iran, 2007	7 <sup>th</sup> International congress on Obs. and Gyn.	P50
Jannati N., <b>Ghaffari Novin M.,</b> and et al.,	Hormonal disturbance and histopathology of testis in Klinefelter syndrome	Tehran, Iran, 2007	7 <sup>th</sup> International congress on Obs. and Gyn	P10
Heidari M., Chamani L, Akhondi MM, <b>Ghaffari Novin M.</b> and et al.,	Effect of Furazolidone on male reproductive tract in rats	Tehran, Iran, 2007	7 <sup>th</sup> International congress on Obs. and Gyn.	P19
Mohammadzadeh A; Heidari,M; Soltanghoraiee, H ; <b>Ghaffari Novin ,</b> M ;Akhondi, Mohammadzadeh, F.	WBC changes in female rats with Endometriosis	Tehran, Iran, 2007	7 <sup>th</sup> International congress on Obs. and Gyn	P67

Nouri M, Ghasemzadeh A, Farzadi L, Shahnazi V and <b>Ghaffari Novin M.</b>	The effects of antioxidant treatment on semen quality in patients with asthenozoospermia.	Antalya, Turkey 2007	14th Annual meeting of Middle East Fertility Society	Abstract book	P-38
<b>Ghaffari Novin M,</b> Heidari M, Akhondi MA , M Jeddi Tehrani <sup>3</sup>	Human chorionic gonadotrophin - $\beta$ secretion of human embryo and its role in implantation <i>in vitro</i>	Antalya, Turkey 2007	14th Annual meeting of Middle East Fertility Society	Abstract book	P-27
H. Saeidi, M. <b>Ghaffari Novin,</b> M. Agha Hosseini, A. Al-Yacin, A Khademi	Successful delivery following 2-pronuclei vitrification	14th Annual meeting of Middle East Fertility Society, Antalya, Turkey 2007	Middle East Fertility Society Journal	Abstract book	P-18
Heidari M. Jamsedi AH, <b>Ghaffari M.,</b> Sadeghi MR, Akhondi MA, Khansari G	Evaluation antifertility effect of crude extract on of Centella Asiatica on male rat <i>in vivo</i>	14th Annual meeting of Middle East Fertility Society, Antalya, Turkey 2007	Middle East Fertility Society Journal	Abstract book	O-73
Rajaei F., <b>Ghaffari M.</b>	The effects of social stress on number and quality of flushed mouse blastocysts	14th Annual meeting of Middle East Fertility Society, Antalya, Turkey 2007	Middle East Fertility Society Journal	Abstract book	P-11

Nouri M, <b>Ghaffari Novin M</b> , Ghasemzadeh A, Farzadi L, Shahnazi V	Non-enzymatic antioxidant activity and lipid peroxidation in sperm and seminal plasma of asthenoteratozoospermic men and their relationships with semen parameters	14th congress of Iranian society for reproductive medicine, Yazd, Iran 2008	Iranian Journal of Reproductive Medicine,	Vol. 6, Suppl 1, Winter 2008	21
Khaki A, <b>Ghaffari Novin M</b> , Khaki A A, Nouri M	Effect of growth hormone on recovery from testicular damage induced by methotrexate in rat	14th congress of Iranian society for reproductive medicine, Yazd, Iran 2008	Iranian Journal of Reproductive Medicine,	Vol. 6, Suppl 1, Winter 2008	40
Nikan M., Froutan SK, Ragheb SH, <b>Ghaffari M</b> , Mansoury S.	Mycoplasma hominis attaches to human spermatozoa	14th congress of Iranian society for reproductive medicine, Yazd, Iran 2008	Iranian Journal of Reproductive Medicine,	Vol. 6, Suppl 1, Winter 2008	37
Ghaffari Novin, M	Implantation Failure: Embryologist View	1 <sup>st</sup> International Symposium & Workshop on Clinical Embryology Nov. 22-23, Yazd, Iran 2008	Abstract Book		
Ghaffari Novin, M	Proteomics and Embryo Selection	Iranian society for reproductive Medicine			

Ghaffari Novin, M	Endometrial factors in recurrent miscarriage	Royan International Twin Congress 9 <sup>th</sup> International Congress on Reproductive Biomedicine and 4 <sup>th</sup> International Congress on Stem Cell Biology & Technology, 2008 Tehran, Iran	Yakhtheh Medical Journal		
Ghaffari Novin, M	Oocyte and embryo quality	15th congress of Iranian society for reproductive medicine, Shiraz, Iran 2009	Iranian Journal of Reproductive Medicine,		
Farzad Rajaei, <b>Ghaffari Novin</b> <b>Marefat</b>	The effects of vitrification on mouse blastocyst DNA fragmentation.	Royan International Twin Congress 9 <sup>th</sup> International Congress on Reproductive Biomedicine and 4 <sup>th</sup> International Congress on Stem Cell Biology & Technology, 2008 Tehran, Iran	Yakhtheh Medical Journal		

<b>Ghaffari Novin Merefat</b>	ART	The Iranian scientific practical congress of general practitioner			
<b>Ghaffari Novin Merefat</b>	Stem cell, cloning and ART	The Iranian scientific practical congress of general practitioner			
Khadijeh.Foghi , <b>Merefat. Ghaffari Novin and et al.,</b>	Immunohistochemical localization of endothelial nitric oxide synthase in testicular tissue of men with Non-obstructive azoospermia	3 <sup>rd</sup> congress of laboratory and clinic pediatrics	1-3 December 2010, Tehran, Iran		
<b>Merefat. Ghaffari Novin</b>	Predictive value of human oocyte in ART		Iranian Journal of Reproductive Medicine,	Vol. 9, Suppl 2, spring 2011	
Tohid Najafi , <b>Merefat. Ghaffari Novin and et al.,</b>	Immunohistochemical localization of endothelial nitric oxide synthase in human endometrium in unexplained infertility		Iranian Journal of Reproductive Medicine,	Vol. 9, Suppl 2, spring 2011	
<b>Merefat Ghaffari Novin</b>	Environmental chemical pollution and male infertility	International congress on environmental effects on reproductive health	Tehran, Iran, 2011		

### Research Interests:

Interest Item
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Human Embryo Implantation

Human Embryo Development

Reproductive Endocrinology

Recurrent Miscarriage

## **Honour:**

**The elected researcher in the fifth festival in honour with the attendance best researchers of 2004,  
Iran.**

## **Thesis Supervised :**

<b>Title</b>	<b>Degree</b>	<b>University</b>	<b>Duration</b>
Morphological study of ovarian stimulation drug effects on human endometrium during early secretory phase	PhD student	Tabriz University of Medical Sciences	2000-2002

Morphological study of ovarian stimulation drug effects on human endometrium during mid secretory phase	PhD student	Tabriz University of Medical Sciences	2000-2002
Identification of maternal mRNA down regulation in mouse zygote	PhD student	Tehran University of Medical Sciences	2001-2003
Study of freezing effect on embryo apoptosis	PhD student	Tabriz University of Medical Sciences	2002-2004
Study of freezing effect on human sperm apoptosis	PhD student	Tabriz University of Medical Sciences	2002-2004
Study of human sperm centrosome by using pizo-ICSI injection of oocyte	PhD student	Tehran University of Medical Sciences	2002-2004
Study of relation between chlamydia infection and infertility	MS Student	Tehran University of Medical Sciences	1999-2001
Modern Human Reproductive Techniques from the View of Jurisprudence & Law”.	MS Student	Azad University	1999-2001
Study of histopathological effect of flurokinolone Antibiotic on rat testis tissue and spermatozoa	PhD Student	Azad University	2003-2005
Study of Mycoplasma H.E. in female infertility	MD Student	Shahed University of Medical Sciences	2005-2006
Leukocytospermia in male infertility	MD Student	Tabriz University of Medical Sciences	2005-2006
Anti phospholipid antibodies in fertile and recurrent abortion	MD Student	Azad University of Medical Sciences	2005-2006
Effect of Rosmarinus officinalis extract on male reproductive tract in rats	MS Student	Azad University of Medical Sciences	2006-2007
Study of Immunomodulators effects on cytokines expression by human endometrium in patient with repeated implantation failure	PhD student	Tehran University of Medical Sciences	2008
Nitric Oxide in human testis in obstructive and non obstructive azospermia	MS Student	Shahid Beheshti University, M.C., Tehran, Iran	2010
Nitric Oxide in human endometrium in ART failure and recurrent miscarriage	MS Student	Shahid Beheshti University, M.C., Tehran, Iran	2010
Ultrastructural study of human implantation in vitro	PhD Student	Shahid Beheshti University, M.C., Tehran, Iran	2009

Study of human embryo sHLA secretion in vitro and its role in embryo quality and implantation	MS Student	Shahid Beheshti University, M.C., Tehran, Iran	2010
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**References :**

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