

CURRICULUM VITAE

Name: **Mohammad-Mehdi Akhondi**
Full Professor in Developmental Biology (Embryology)

Sex: Male

Date of Birth: March 28, 1956

Place of Birth: Tehran

Marital Status: Married

Number of Children: 3

Citizenship: Iran

Address: 1: Avicenna Research Institute, Shahid Beheshti University,
Chamran Highway, Tehran, Iran.
2: Avicenna Infertility Clinic, No. 97, Shari'ati St., Junction of
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I-Position:

- Chairman of Avicenna Research Institute Including:
Reproductive Biotechnology Research Center,
Monoclonal Antibody Research Center,
Nanobiotechnology Research Center and
Avicenna Infertility Clinic, Tehran, Iran.

II-Education:

1991-1996	Ph.D. in Developmental Biology (Embryology), Department of Molecular Biology and Biotechnology, University of Sheffield, Sheffield, UK.
1986-1989	M.Sc. in Medical Mycology, Tarbiat Modarres University, Tehran, Iran.
1981-1984	B.Sc. in Laboratory Sciences, Iran University of Medical Sciences, Tehran, Iran

III-Licensure & Certification:

1. Lecture presentation in the "7th IRHRC Annual Meeting on Reproductive and Infertility Updates", Tehran, Iran, Jan 22-24, 2015.
2. Attendance in the " 30th Annual Meeting of ESHRE", Munich, Germany, 29 June - 2 July 2014.
3. Member of scientific committee and specialized panel in the " 20th National Congress of Reproductive Medicine", Isfahan, Jun 11-13, 2014.
4. Participation at the symposium on " Access to Fertility Treatments from Ethical and Legal Perspectives", Royan Institute, Tehran, Iran, Dec 26, 2013.
5. Participation and lecture presentation in the congress on "Commeration of UNESCO's 20 Years of Commitment in Bioethics (1993-2013) ", Shahid Beheshti University, Tehran, Iran, Dec 15, 2013.
6. Member of the Fourth Session of Iranian National Committee for Bioethics (UNESCO)", Tehran, Iran, April 2013.
7. Member of directory board & lecturer in the " 3rd International Congress of Medical Ethics in Iran", Tehran, Iran, Feb 21-22, 2013.
8. Member of scientific committee at "19th Congress of Iranian Society for Reproductive Medicine", Tehran, Iran, Feb 27-29, 2013.
9. Attendance in the "Emirates Obs-Gyn & Fertility Forum", Dubi, UAE, Nov. 22-24, 2012.
10. Referee in the "12th Royan International Award", Tehran, Iran, Sep 8 2012.
11. Participant in the " 9th Summit of the National Ethics Committees", Carthage, Tunisia, Sep 26-28, 2012.
12. Member of scientific committee at "13th Congress of Iranian Society for Reproductive Medicine", Tehran, Iran, Sep 5-7, 2012.
13. Member of scientific committee and chair of panel in the "13th Royan Congress on Reproductive Biomedicine & 8th Congress on Stem Cell Biology & Technology" , Razi congress hall, Tehran, Iran, Sep 5-7, 2012.
14. Participant in the " 11th IAB World Congress of Bioethics", Rotterdam, The Netherlands, June 26-29, 2012.
15. Participation in a panel at " Iranian Association of Surgeons, 36th Annual Clinical Congress", Tehran, Iran, May 6-10, 2012.
16. Member of directory board at "3rd Annual Iranian International Congress of Forensic Medicine", Tehran, Iran, May 2-4, 2012.
17. Member of scientific committee at " Reproduction Ethics & Law Congress ", Royan Institute, Tehran, Iran, Jan 4-6, 2012.
18. Referee in the "17th Razi Research Festival on Medical Sciences", Tehran, Iran, Jan, 2012.
19. Lecture presentation in the " Ethics and new approaches in infertility treatment ", Jahrom University of Medical Sceinces, Jahrom, Iran, Dec 14-16, 2011.

20. Lecture presentation in the "Medical Genetics Congress", Tehran, Iran, June 20-21, 2011.
21. Member of jury committee and lecturer in the "9th International Congress on Obstetrics and Gynecology", Tehran, Iran, Nov 8-11, 2011.
22. Attendance in the "27th Annual Meeting of ESHRE", Stockholm, Sweden, July 3-6, 2011.
23. Lecturer in the "2nd Medical Genetics Congress", Tehran, Iran, June 20-21, 2011.
24. Member of scientific committee in the "17th National and International Congress of Iranian Society for Reproductive Medicine", Tehran, Iran, Mar 2011.
25. Member of scientific committee in the "4th Yazd International Congress and Student Award in Reproductive Medicine", Yazd, Iran, Apr 2011.
26. Attendance in the " ESHRE Workshop on Insurance Models for Reproductive Medicine: a Global Perspective", Venice, Italy, Feb 11-12 2011.
27. Referee and Member of scientific committee in the "16th Razi Research Festival on Medical Sciences", Tehran, Iran, Jan 2012.
28. Member of scientific committee and lecturer in the 2nd International Congress of Bioethics, Tehran, Iran, Nov 20-22, 2010.
29. Member of scientific committee in the "12th International Congress on Obstetrics and Gynecology", Tehran University of Medical Sciences, Tehran, Iran, Nov 17-21, 2010.
30. Attendance and lecture presentation in the Seventeenth Session of the International Bioethics Committee (IBC), Joint Session of IBC and IGBC, Paris, 26-29 October, 2010.
31. Member of scientific committee and lecturer in the seminar on "Genetics: Law, Ethics, and Psychology", Tehran, Iran, Nov 10-11, 2010.
32. Participation in the workshop on the " Pharmaceutical Proteins in the Milk of Transgenic Goat ", Tehran, Iran, Sep 24-25, 2010.
33. Referee in the " 11th Royan International Twin Congress", Tehran, Iran, Sep 15-17, 2010.
34. Participation in the " 26th Annual Meeting of ESHRE", Rome, Italy, Jun 27-30, 2010.
35. Member of scientific committee and lecturer in " 16th National & First International Congress of Iranian Society for Reproductive Medicine", Shiraz, Iran, Mar 2010.
36. Member of scientific committee in the "Fertility Preservation Congress", Tehran, Iran, Jan 13-14, 2010.
37. Participation in the "Sixteenth (ordinary) Session of UNESCO International Bioethics Committee (IBC) ", Mexico City, Mexico, Nov 23-25, 2009.
38. Member of scientific committee and lecturer in " 8th International Congress on Obstetrics and Gynecology", Tehran, Iran, Nov 2009.
39. Certificate of attendance in the " Third Asia-Pacific Forum on Andrology (3APFA) ", Nanjing, China, Oct 10-13, 2009.

40. Attendance in the Sixth Session of the Intergovernmental Bioethics Committee (IGBC), Paris, France, 9-10 July 2009.
41. Attendance in the " 25th Annual Meeting of ESHRE", Amsterdam, Netherlands, June 28 - July 1, 2009.
42. Member of scientific committee in "3rd Yazd International Congress and Student Award in Reproductive Medicine", Yazd, Iran, Apr 2009.
43. Member of scientific committee and directory board in " 10th Asian Bioethics Conference & 4th UNESCO Asia-Pacific School of Ethics Roundtable", Tehran, Iran, Apr 2009.
44. Referee in the " 3rd Yazd International Student Award and Congress in Reproductive Medicine", Yazd, Iran, Apr 2009.
45. Member of scientific committee in " 15th Congress of Iranian Society for Reproductive Medicine", Yazd, Iran, Feb 2009.
46. Lecturer and member of scientific committee in the " Infertility and Insurance " seminar, Tehran, Iran, Jan 2009.
47. Participation and lecture presentation in the symposium on "Psychological Aspects of Infertility", Avicenna Research Institute, Dec 2008.
48. Member of scientific committee and lecturer in the "1st National Congress on Endometriosis", Tehran, Iran, Nov 12-13, 2008.
49. Attendance in the " Conjoint Annual Meeting of MEFS & STGO", Hammamat, Tunisia, Oct 2008.
50. Participation in the " Royan International Twin Congress: 9th Congress on Reproductive Biomedicine and 4th Congress on Stem Cell Biology and Technology", Tehran, Iran, Aug 2008.
51. Lecture presentation and participation in " The Second International Congress of Medical Ethics in Iran", Tehran, Iran, Apr 2008.
52. Participation and presentation in the conference on " Controversies in ART (Multiple pregnancies) ", Tehran, Iran, Feb 2008.
53. Member of scientific committee & lecturer at "14th Congress of Iranian Society for Reproductive Medicine", Yazd, Iran, Feb 2008.
54. Participation at the program on " Reproduction and Male Infertility", Avicenna Research Institute, Tehran, Iran, Jan 2008.
55. Participation and lecture presentation in " Prenatology Workshop", Avicenna Research Institute, Tehran, Iran, Jan 2008.
56. Participation & lecture presentation at the " Symposium of Medical Ethics in Embryo Donation", Royan Institute, Tehran, Iran, Jan 2008.
57. Participation & lecture presentation at the " conference of Health Evaluation in Gamete & Embryo Donation", Avicenna Research Institute, Tehran, Iran. Dec 2007.
58. Scientific secretary and lecturer in the workshop on the " New View Point of Health Policy Makers Toward Abortion", Avicenna Research Institute, Tehran, Iran, Dec 2007.
59. Member of scientific committee in " 7th International Congress on Obstetrics and Gynecology", Tehran, Iran, Nov 2007.

60. Scientific secretary and lecturer of the workshop entitled " Medical, Legal & Ethical Aspects of Abortion", Avicenna Research Institute, Tehran, Iran, Nov 2007.
61. Lecturer & member of scientific committee at " Interdisciplinary Seminar on Surrogacy", Tehran, Iran, Oct. 2007.
62. Participation & lecture presentation in the workshop on " Confidentiality in Gamete & Embryo Donation", Avicenna Infertility Clinic, Tehran, Iran, Oct 2007.
63. Participation & lecture presentation in the workshop on " The Sperm Preparation for ART", Avicenna Research Institute, Tehran, Iran, Aug 2007.
64. Participation in the " 23rd Annual Meeting of ESHRE", Lyon, France, Jul 2007.
65. Participation at monthly scientific conference of Reproductive Biotechnology Research Center, Tehran, Iran, Apr 2007- Mar 2008.
66. Participation in the Scientific Congresses of Monoclonal Antibody Research Center, Tehran, Iran, Apr 2007- Feb 2008.
67. Participation at " Recurrent Abortion Conference", Avicenna Research Institute, Tehran, Iran, Mar 2007.
68. Member of scientific committee for " 13th Congress of Iranian Society for Reproductive Medicine", Tehran, Iran, Feb 21-23, 2007.
69. Lecture and participation certificate for " 13th Congress of Iranian Society for Reproductive Medicine", Iranian Society for Reproductive Medicine, Tehran, Iran, Feb 2007.
70. Member of scientific committee & lecturer at the workshop entitled "Controversies in ART Failures", Avicenna Infertility Clinic, Tehran, Iran, Jan 2007.
71. Member of scientific committee & lecturer at " Monoclonal Antibody Workshop", Monoclonal Antibody Research Center, Avicenna Research Institute, Tehran, Iran, Dec 2006.
72. Participation & lecture presentation certificate for the workshop entitled " Laparoscopy in Infertility ", Avicenna Infertility Clinic, Tehran, Iran, Dec 2006.
73. Member of scientific committee& lecturer at " National Congress on AIDS", Shahid Beheshti University, Tehran, Iran, Nov 2006.
74. Lecture certificate for " Sperm Preparation Workshop", Reproductive Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran, Nov 2006.
75. Lecture presentation at "Avicenna Research Institute (ARI) Conferences", Reproductive Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran, Sep 2006- Mar 2007.
76. Participation certificate for " Royan International Twin Congress", 7th Congress on Reproductive Biomedicine & 2nd Congress on Stem Cell Biology & Technology, Tehran, Iran, Sep 2006.
77. Participation at monthly scientific conferences of Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran, Sep 2006- Mar 2007.

78. Participation at monthly scientific conferences of Monoclonal Antibody Research Center, Avicenna Research Institute, Tehran, Iran, Aug 2006-Feb 2007.
79. Participation and lecture presentation at the workshop entitled " Chlamydia and Reproduction", Tehran, Iran, May 2006.
80. Lecture certificate for " 12th Reproduction Congress", Razi Symposium Hall, Tehran, Iran, Mar 2006.
81. Member of scientific committee at " 12th Congress of Iranian Society for Reproductive Medicine", Tehran, Iran, Mar 2006.
82. Lecturer at "Sperm Preparation Workshop", Avicenna Research Institute, Tehran, Iran, Mar 2006.
83. Lecturer and member of scientific committee for the Congress entitled " Gamete & Embryo Donation in Treatment of Infertility", Tehran, Iran, Mar 2006.
84. Participation and lecture certificate for the symposium entitled " ART & Prenatology", Avicenna Infertility Clinic, Tehran, Iran, Jan 2006.
85. Participation at ART Conference. Reproductive Biotechnology Research Center, Avicenna Research Institute, Tehran, Iran, Jul 2005- Mar 2006.
86. Member of scientific committee at the national congress entitled "AIDS from Prevention to Spurt", Imam Ali Symposium Hall, Tehran, Iran, Feb 2006.
87. Member of specialize committee at "11th Razi Medical & Research Festival", Tehran, Iran, Dec 2005.
88. Participation and lecture certificate for "Laparoscopy Workshop", Avicenna Infertility Clinic, Tehran, Iran, Dec 2005.
89. Participation and lecture certificate for " 6th International Congress of Obstetrics and Gynecology", Tehran, Iran, Nov 2005.
90. Poster presentation at international workshop on " Molecular Andrology. Testicular Pathology. Androgen Action, Sperm Function", Altes Schloss Giessen, Germany, Oct 2005.
91. Participation at the workshop on "Scientific Writing", Avicenna Research Institute, Tehran, Iran, Oct 2005.
92. Participation at " END NOTE Workshop", Avicenna Research Institute, Tehran, Iran, Jul 2005.
93. Participation at "21st Annual Meeting of ESHRE", Copenhagen, Denmark, Jun 2005.
94. Member of scientific committee at the " International Congress on Bioethics (UNESCO) ", Tehran, Iran, Mar 2005.
95. Participation at IUI Workshop, Avicenna Infertility Clinic, Tehran, Iran, Mar 2005.
96. Participation at the workshop on" Gene Delivery Systems", Tehran, Iran, Mar 2005.
97. Member of scientific committee and participation at the seminar on " Sexual Health in Reproductive Health", Tehran, Iran, Feb 2005.
98. Participation at the workshop on " The recent in Reproduction & Infertility", Avicenna Infertility Clinic, Tehran, Iran, Jan 2005.

- 99.** Member of scientific committee for the congress on "Ethic in Research", Cancer Research Center, Tehran University of Medical Sciences, Tehran, Iran, Dec 2004.
- 100.** Participation and lecture presentation at the congress on "Assessment the managing process of embryo donation & its transferring", Shahid Beheshti University of Medical Sciences, Tehran, Iran, Jul 2004.
- 101.** Lecture presentation & participation at Continuous Medical Education Program, Tehran University of Medical Sciences, Iran, May 2004.
- 102.** Lecturer in the "2nd congress of Iranian Society Fertility & Sterility", Tehran, Iran, Jun 2004.
- 103.** Participation at 1st congress of Islamic Countries Organization of Forensic Medicine, Legal Medicine Organization Islamic Republic of Iran, Jun 2004.
- 104.** Member of jury committee for Biomedical Journal, The Pasteur Institute of Iran, Tehran, Jun 2004.
- 105.** Participation at scientific program of the "20th Annual Meeting of the ESHRE (European Society of Human Reproduction and Embryology) ", Berlin, Germany, Jun 2004.
- 106.** Participant and lecturer at "2nd Annual Scientific Symposium of Iranian Society of Specialists on Reproduction and Infertility", Tehran, Iran, Jun 2004.
- 107.** Participation at the workshop on "Approach to Viral Infections in Pregnancy ", Avicenna Research Institute, Teheran, Iran, Feb 2004.
- 108.** Participation & lecture presentation at " 9th Specialized Seminar on Immunological Aspects of Fertility and Infertility", Isfahan, Iran, Jan 2004.
- 109.** Successful completion of a theoretical and practical laboratory training on "ART Workshop", Avicenna Infertility Clinic, Tehran, Iran, Jan 2004.
- 110.** Certificate of attendance for "Embryonic Stem Cell Workshop", Royan International Research Award's Scientific Congress, Tehran, Iran, Sep 2003.
- 111.** Lecture certificate for "4th Royan International Research Award's Scientific Congress",Tehran, Iran, Sep 2003.
- 112.** Member of jury committee for Journal of Mazandaran University of Medical Sciences, Sep 2003.
- 113.** Member of jury committee for Medical Journal of Reproduction and Infertility, Avicenna Research Institute, Tehran, Iran, Aug 2003.
- 114.** Participation at "19th Annual Meeting of ESHRE Congress", Madrid, Spain, Jul 2003.
- 115.** Participation at " 4th World Congress on Controversies in Obstetrics, Gynecology & Infertility", Berlin, Germany, Apr 2003.
- 116.** Member of scientific committee & lecturer at " 8th Specialized Seminar for Comprehensive Study on the Aspects of Abortion in Iran", Kermanshah, Iran, Feb 2003.
- 117.** Lecturer at " Reproductive Health Congress", Imam Khomeini Hospital, Feb 2003.

118. Member of scientific committee at "10th Congress of Iranian Society for Reproductive Medicine", Tehran, Iran, 2003.
119. Participation at the 1st Iranian congress of "From Bed to Bench in Gastroenterology & Hepatology", Milad Hospital congress halls, Dec 2002.
120. Lecturer at monthly conference of Iranian Urological Association (IUA), Hashemi Nejad Hospital, Oct 2002.
121. Participation certificate for the workshop on "Opportunities for Research Support and International Resource Mobilization", Tehran, Iran, Jan 2002.
122. Member of directory board at "7th Biannual Congress of Obstetrics & Gynecology", Imam Khomeini Hospital, Tehran, Iran, Feb 2002.
123. Member of scientific committee at "7th Specialized Seminar on Environmental Factors and Infertility", Faculty of Social Welfare & Rehabilitation, Shahid Beheshti University of Medical Sciences, Tehran, Iran, Jan 2002.
124. Member of ART lab, 1st International & 9th National Congress on Fertility & Infertility, Yazd, Iran, Nov 2001.
125. Certificate of attendance for "17th Annual Meeting of ESHRE", Lausanne, Switzerland, Jun 2001.
126. Participation certificate for Symposium on " Psychological Aspects of Infertility", Faculty of Psychology & Education, Tehran University, Tehran, Iran, May 2001.
127. Lecture certificate for Symposium on "Genetics & Reproductive Biotechnology", Jun 2000.
128. Participation at the ESHRE Campus Workshop ART in the year 2000, Hamburh, Germany, Mar 2000.
129. Lecture presentation at " 4th Specialized Symposium on Reproductive Endocrinology and Infertility", Iranian Blood Transfusion Organization, Tehran, Iran, Feb 2000.
130. Participation & lecture certificate for the " 1st Specialized Symposium on Legal Aspects of Egg and Embryo Donation". Faculty of Law & Political Science, Tehran University, Tehran, Iran, Feb 1999.
131. Participation & lecture certificate for "2nd Specialized Symposium on Immunological Factors in Recurrent Spontaneous Abortion", Faculty of Social Welfare & Rehabilitation, Shahid Beheshti University of Medical Sciences, Tehran, Iran, Jan 1999.
132. Member of scientific & executive committee in the "2nd Seminar and 4th Workshop on Treatment of Infertility", Royan Institute, Tehran, Iran, Mar 1998.

IV- Honors & Distinctions:

2013 * Chairman manger of ACECR eminent ranking for Journal of Reproduction & Infertility

- 2010 * Eminent researcher, 11th Festival on Research Appreciation. Tehran. Iran
- 2007 * Eminent research manager. 7th Research & Technology Festival. Tehran. Iran
- 2007 * Eminent entrepreneur. Third National Festival of Superior Entrepreneurs in Tehran
- 2006 * Elected member of Academic Center for Education, Culture & Research (ACECR).
- 2002 * Eminent researcher at the third celebration of high degree Researchers. Tarbiat Modares University (T.M.U). Tehran. Iran
- 1995 * New Investigator, American Society of Andrology

V-Experiences:

A. Research Activities:

1. Finished Projects:

- Research Assistant, *cancerous cells remove prior to spermatogonial stem cell autologous transplantation in order to fertility preservation*, Avicenna Infertility Clinic, 2013-2014.
- Principal Investigator, *Analysis of the TSGA10 polymorphisms in infertile men with the impaired spermatogenesis*, Tehran University of Medical Sciences, 2013.
- Principal Investigator, *Establishment of Endometriosis Data Bank and Assessment of its Epidemiology, Semiology and Laparoscopic Treatment Response*, Avicenna Reserch Institute, 2013.
- Research Assistant, *Design, synthesis and functionalization of QD525 Nanoparticles*, Avicenna Reserch Institute, 2013
- Research Assistant, *catalyst and use of them in order to synthesis of novel spirooxindoles and oxindoles; investigation in to biological properties of these heterocyclic compounds*, Iran National Science Foundation, 2012-2013.
- Research Assistant, *Production of canin polyclonal antibody against human, mouse, sheep and rabbit*, Avicenna Reserch Institute, 2012.
- Research Assistant, *Investigating partial deletions in AZFc region in men with idiopathic non-obstructive azoospermia and oligospermia*, Avicenna Reserch Institute, 2012.
- Research Assistant, *Quality improvement of embryos derived from ovine vitrified-warmed oocytes*, Avicenna Research Institute, 2012.
- Research Assistant, *Evaluation of the infertile patients and clinicians opinions about the suitable number of embryos transferred*, Avicenna Research Institute, 2011-2012.

- Research Assistant, *Investigating association of CTLA-4 FOXP3 , GITR polymorphisms with Recurrent Spontaneous Abortion syndrome*, Avicenna Research Institute, 2012.
- Research Assistant, *Sperm selection according to molecular markers on spermatozoa surface*. Deputy for Research, ACECR, 2011.
- Research Assistant, *Study the effects of thawing medium supplemented with vitamin E and glutathione on human sperm parameters, function and programmed cell death(apoptosis) after freezing*, Avicenna Research Institute & College of Biology, University of Tehran, 2011.
- Principal Investigator, *Human spermatogonial stem cell transplantation to nude mice for spermatogenesis modeling in fertility preservation of cancerous children*, Iranian Council of Stem cell Research & Technology, 2011.
- Research Assistant, *A Study of Medical Mandatory Reporting Information of Patients to Authorities under the Iranian Legal System*, Iran National Institute of Health, 2011.
- Research Assistant, *The study of phenotypic and genotypic characteristics, proliferation and differentiation potential of human menstrual blood derived stem cells in two and three dimensional culture system*, Iranian Stem Cell of Technology, 2010-2014.
- Research Assistant, *Investigation of quality of life and general health in patients with PCOS, Tehran – 1388*, Center for Nursing Care Research, Iran University of Medical Sciences & Avicenna research Institute, 2010-2013.
- Research Assistant, *Semi-industrial production and clinical assessment of human recombinant coagulating Factor VII expressed in mammalian cells*, Avicenna Research Institute, 2010-2013.
- Principal Investigator, *Drafting an amendment regards to regulation an provisions of organizing, ranking and describing functions and authorities of medical research ethic committee, Iran*, Ministry of Health, 2010-2011.
- Principal Investigator, *Mutation profiling of RB1 gene among Iranian patients with retinoblastoma*, Avicenna Research Institute & Mahak Institute, 2010-2011.
- Principal Investigator, *Effect of People's Self Identity on their Attitudes about Fetal Sex Selection Right*, Avicenna Research Institute, 2010-2011.
- Principal Investigator, *Isolation, cryopreservation and transplantation of human ovarian tissue to treat infertility after cancer treatment*, Avicenna Research Institute, 2010-2011.
- Research Assistant, *PLAP marker study in non-obstructive azoospermic testicular biopsy of Iranian men using Immuno Histochemistry for Testicular carcinoma in situ early diagnosis*, Avicenna Research Institute , 2010.
- Research Assistant, *The study of the role of vitamin D3 in microinjection outcome in patients with repeated ART failure*. Deputy for Research, ACECR, 2010.

- Principal Investigator, *Preparation of the Draft IP Rights By-Law of ACECR*, Deputy for Research, Academic Center for Education, Culture & Research, 2010.
- Research Assistant, *Design and synthesis of smart nanohydrogel for drug delivery*, Avicenna Research Institute, 2010.
- Research Assistant, *Generation of CD4+CD25++ regulatory T cells by estrogen from human peripheral blood CD4+CD25- T cells*, Avicenna Research Institute. 2010.
- Principal Investigator, *Isolation, purification and long term culture of goat spermatogonial stem cells*, Avicenna Research Institute, 2010.
- Research Assistant, *Identification of molecular markers for spermatogenesis in seminal plasma of non-obstructive azoospermic men*, Deputy for Research, ACECR, 2010.
- Principal Investigator, *Studying the effects of adenosine, angipars and imode on apoptosis, expression of angiogenesis factor (VEGF and angiopoietin) and angiogenesis in human ovarian cortex after transplantation in nude mice*, Iran National Science Foundation, 2010.
- Principal Investigator, *A Study on parental desire and acceptability of spermatogonial stem cell cryopreservation in boys with cancer*, Avicenna Research Institute & MAHAK Institute, 2009-2013.
- Research Assistant, *Hepatic differentiation of human menstrual blood derived stem cells*, Iran's National Elites Foundation, 2009-2013.
- Research Assistant, *Production of anti Her2 monoclonal antibodies capable of inducing apoptosis in Her2 positive cells*, Industrial Development and Revovation Organization of Iran, 2009-2013.
- Research Assistant, *Comparative study of ICSI outcome using ejaculated sperm and testicular sperm in cryptozoospermic men*, Avicenna Research Institute, 2009-2012.
- Research Assistant, *Effect of Ubiquinone Supplementation on semen quality, antioxidant enzymes, oxidative stress and sperm DNA fragmentation in infertile men with idiopathic oligoasthenoteratozoospermia referring to the Avesina Infertility Clinic*, Avicenna Research Institute & Iran University of Medical Sciences, 2009-2012.
- Research Assistant, *Study of Wnt/B-catenin signaling pathway in rat granulosa cells using human recombinant SFRP4b*, University of Tehran and Avicenna Research Institute, 2009-2012.
- Principal Investigator, *Evaluation of pretreatment semen parameters in men with cancer*, Avicenna Research Institute, 2009-2011.
- Principal Investigator, *Investigation of interactive role of body image and fertility status on Tehran male psycho-social development in men*, Deputy for Research, ACECR, 2009-2011.
- Principal Investigator, *Production of viral particles containing eGFP reporter gene*, Avicenna Resarch Institute, 2009.
- Principal Investigator, *Formulation of Different Guidelines for Using Surrogacy among Infertile Couples*, Ministry of Health, 2009.
- Principal Investigator, *Formulation of Essential Guidelines on Embryo Donation*, Ministry of Health, 2009.

- Research Assistant, *Comparison of phenotypic characteristics and differentiation potential of human menstrual blood derived stem cells with bone marrow derived mesenchymal stem cells*, Iranian Stem Cell Network, 2009.
- Principal Investigator, *Produce monoclonal antibodies and polyclonal against specific markers and transplantation of human stem cell spermatogonia for spermatogenesis in the mouse mode nude azoospermia*, Biotechnology Development Council, 2009.
- Research Assistant, *Production monoclonal antibody against stem cell markers*. Iranian Council of Stemcell Technology, 2009.
- Research Assistant, *Identification of suitable biochemical markers for spermatogenesis in seminal plasma of azoospermic men*, Avicenna Research Institute, 2008-2013.
- Research Assistant, *Analysis of vitamin D3 metabolism and its immunomodulatory effects in women with recurrent spontaneous abortion (RSA)*, Avicenna Research Institute, 2008-2013.
- Research Assistant, *Immunomodulatory effects of vitamin D3 in the endometrium of women with idiopathic recurrent implantation failure*, Avicenna Research Institute & Tehran University of Medical Sciences, 2008-2013.
- Research Assistant, *A comparative study among the decisions of the courts of IRI regarded to Art. 3 of the Act of Embryo Donation (Legistated 2003)*, Deputy for Research, ACECR, 2008-2012.
- Principal Investigator, *Study on human chondrocyte culture for autologus transplantation in humans*, Avicenna Research Institute & Shari'ati Hospital, 2008-2012.
- Research Assistant, *Study of recombinant human SFRP-4 on rat cultured granulosa cells survival*, University of Tehran and Avicenna Research Institute, 2008-2012.
- Research Assistant, *Comparison of protamin deficiency in normozoospermic and Oligoasthenoteratozoospermic Infertile Men Attended to Fatemeh Zahra Babol and Avesina Infertility Clinic*, Avicenna Research Institute & Babol University of Medical Sciences, 2008-2012.
- Research Assistant, *Differentiation And Apoptotic studies of Anticancer compounds in Acute Lymphoblastic Leukemic cells (ALL)*, Avicenna Research Institute, 2008-2012.
- Research Assistant, *Alignment of Contract from in Surrogacy*. Deputy for Research, ACECR, 2008-2011.
- Research Assistant, *Production of monoclonal antibody against human leptin*, Deputy for Research Ministry of Health, 2008-2011.
- Research Assistant, *Polymorphism of P and M isoenzymes of glutathione S-transferase in infertile men attending Avesina Infertility Clinic*, Deputy for Research, ACECR, 2008-2010.
- Principal Investigator, *A study of legal and ethical aspects of therapeutic use of stem cell*, Iraniana Stem Cell Network, 2008-2010.
- Research Assistant, *Measuring quality of life in women with Endometriosis referring to Avicenna infertility center with EHP-5*, Avicenna Research Institute, 2008-2009.

- Research Assistant, *Prevalence study of sexually transmitted infections in pregnant women in Tehran 2007*, UNFPA, Ministry of Health and Avicenna Research Institute, 2008-2009.
- Research Assistant, *Evaluation of thyroglobulin gene and protein expression in reproductive tissues of Balb/c mice during estrous cycle and pregnancy*, Deputy for Research, ACECR, 2008-2009.
- Research Assistant, *Immunogenicity of MMR vaccine in Iranian children vaccinated under Expanded Program for Immunization(EPI)*, Undersecretary For Food & Drug, Ministry of Health & Deputy for Research, Ministry of Health, 2008-2009.
- Principal Investigator, *Study of association between TNF- α (- 1031T/C) and VEGF (+405C/G) gene variations with endometriosis in Iranian population*, Avicenna Research Institute, 2008.
- Research Assistant, *Situation-analysis of bioethics in Islamic Republic of Iran*, National Bioethics Committee, UNESCO, 2008.
- Research Assistant, *Frequency of Chlamydia trachomatis infection in men attending to urology clinic of Labbafi-nejad hospital*, Avicenna Research Institute, 2007-2012.
- Principal Investigator, *Frequency of Copy Number Polymorphism (CNP) in a specific area of genome in Sertoli Cell Only syndrome (SCO)*, Avicenna Research Institute, 2007-2012.
- Research Assistant, *Established of therapeutic monoclonal antibody technology in Iran; phase1: Lab scale production of anti Her-2 therapeutic monoclonal antibody*, Undersecretary For Food & Drug, Ministry of Health & Deputy for Research Ministry of Health, 2007-2011.
- Research Assistant, *Analysis of vitamin D receptor (VDR) expression in patients with nonobstructive azoospermia*, Deputy for Research, ACECR, 2007-2011.
- Principal Investigator, *Comparison of nitrification and slow freezing in embryo freezing outcome*, Avicenna Research Institute, 2007-2011.
- Research Assistant, *Evaluation of VDR gene and protein expression in reproductive tissues of Balb/c mice during estrous cycle and pregnancy*, Avicenna Research Institute, 2007-2010.
- Research Assistant, *Evaluation of psychological health of infertile couples referring to Avicenna Infertility Clinic in 2007*, Avicenna Research Institute, 2007-2010.
- Research Assistant, *Marital satisfaction of infertile couples*, Avicenna Research Institute, 2007-2010.
- Research Assistant, *KAP study on usage of medical herbs by infertile couples attending to Tehran infertility clinics*, Avicenna Research Institute, 2007.
- Research Assistant, *Clinical and diagnostic features of azoospermic patients (with Klinefelter Syndrome) attending to AIC*, Avicenna Research Institute, 2007.
- Principal Investigator, *Prevalence of leukocytospermia in men who attended on Avesina Infertility Clinic from 2003 to 2006*, Avicenna Research Institute, 2007.

- Research Assistant, *Serum level of thyroidal auto antibodies in fertile women, infertile women and women with repeated pregnancy loss*, Avicenna Research Institute, 2006-2012.
- Research Assistant, *Effect of folic acid and zinc sulfate supplementation on sperm function tests in infertile male*, Deputy for Research, ACECR 2006-2011.
- Research Assistant, *Estimating prevalence of Nisseria Gonorrhoea infection and infertile women, by PCR & ELISA*, Vali ye Asr Infertility Center & Avicenna Research Institute, 2006-2011.
- Research Assistant, *Estimation prevalence of Chlamydia trachomatis infection in fertile and infertile women, by PCR & ELISA*, Vali ye Asr Infertility Center & Avicenna Research Institute, 2006-2011.
- Research Assistant, *Comparison between urine analysis parameters before and after ejaculation*, Avicenna Research Institute, 2006-2009.
- Research Assistant, *Study the relationship between sperm function test and outcome of assisted reproductive techniques in couples attending Avicenna Research Institute*, Deputy for Research, ACECR, 2006-2008.
- Research Assistant, *The role of laparoscopy in the manage of azoospermic men with nonpalpable testis attending to AIC*, Avicenna Research Institute, 2006-2007.
- Principal Investigator, *Chlamydia Trachomatis and male infertility in Tehran*. Sheffield University (U.K), Avicenna Research Institute & Ministry of Health, 2006.
- Research Assistant, *The levels of C-Reactive protein and out of IVF*, Avicenna Research Institute, 2005-2013.
- Research Assistant, *Application of nanoparticle quantum dots in the early diagnosis of two most common ovarian and breast cancers in Iran*. Nano secretariat, Ministry of Health, 2005-2009.
- Research Assistant, *Monoclonal antibody against mouse testicular germ cells*, Deputy for Research, ACECR, 2005-2008.
- Research Assistant, *The comparison between two method of cryopreservation, vitrification and vapour phase on motility, DNA fragmentation and autonomous, acrosome reaction of human spermatozoa*, Avicenna Research Institute, 2005-2007.
- Research Assistant, *Prevalence of Chlamydia Trachomatis and DNA Polymorphism in asymptomatic men population from Tehran*, Sheffield University (U.K) & Avicenna Research Institute (Iran), 2005-2007.
- Research Assistant, *Design an Immuno Fluorescent Method for Detection an apoptotic Spermatozoa*, Deputy for Research, ACECR, 2005-2006.
- Research Assistant, *Expression of Testis Specific Gene (TSGA10) in patients with azoospermia*, Avicenna Research Institute, 2005-2006.
- Research Assistant, *Demographic – Social aspect of infertility: Case study in Tehran*, Avicenna Research Institute, 2005-2006.
- Research Assistant, *Analyzing defects in Phospholipid Hydroperoxide Glutathione Peroxidas Gene and the relevant relationship with spermogram parameters as well as the oxidative stress status and sperm functional tests in oligoastenotratzoospermic men*, Avicenna Research Institute & Kermanshah University of Medical Science, 2005.

- Principal Investigator, *Transplantation of mouse germ cells into testis of azoospermia mouse model*, Avicenna Research Institute, 2005.
- Principal Investigator, *Transplantation of mouse germ cells into testis of azoospermia mouse model*, Avicenna Research Institute, 2005.
- Principal Investigator, *The content forms in ART (assisted reproductive techniques)*, Avicenna Research Institute, 2005.
- Principal Investigator, *Infertile Patients DNA Banking*, Iranian Molecular Medicine Network, 2005.
- Research Assistant, *Evaluation of mutation of SYCP3 gene in azoospermic patients*, Iranian Molecular Medicine Network & Avicenna Research Institute, 2005.
- Research Assistant, *Designing of an ELIZA method for quantitative measurement of inhibin B*, Deputy for Research, ACECR, 2004-2009.
- Research Assistant, *Evaluation anti fertility effect of crude extract of Centella asiatica on female rat*, Deputy for Research, ACECR, 2004-2006.
- Principal Investigator, *The consent forms of treatment, surgery, interventional techniques (ICSI/IVF), voluntary termination of treatment*, Avicenna Research Institute, 2004-2006.
- Research Assistant, *Twin Registry System in Iran*, Iranian Molecular Medicine Network, 2004-2005.
- Principal Investigator, *Examination of jurisprudential percepts & legal effects of assisted reproductive technologies in human reproduction*, Avicenna Research Institute, 2004-2005.
- Principal Investigator, *Induction of spermatogenesis arrest in rats*, Deputy for Research, ACECR, 2003- 2006.
- Principal Investigator, *Crypreservation of Spermatozoa and Assessing of its Different media and methods*, Avicenna Research Institute, 2003-2006.
- Research Assistant, *Evaluation of frequency of anti sperm antibody in follicular fluid in infertile women attending infertility clinics*, Deputy for Research, ACECR, 2003-2005.
- Principal Investigator, *Evaluation and determination of human sperm antigens in fertilization process*, Deputy for Research, ACECR, 2003-2005.
- Research Assistant, *Evaluation of the role and frequency of antizona antibody in unexplained infertility and the role of delay ICSI in positive antibody clients referring to infertility clinics in Tehran*, Deputy for Research, ACECR, 2003-2005.
- Research Assistant, *Twin registry in Iran*, WHO, 2003-2005.
- Research Assistant, *Research information management system*, Avicenna Research Institute, 2002-2005.
- Research Assistant, *Invasion study of human embryo in Vitro*, Deputy for Research, ACECR, 2002-2004.
- Research Assistant, *Specific immunotherapy of B cell malignancies*, Cancer Center Karolinska (Sweden) & Avicenna Research Institute (Iran), 2002.

- Principal Investigator, *A panel of monoclonal Antibodies against Antigens of Human spermatozoa*, National Research Center for Medical Sciences, 2001-2005.
- Research Assistant, *Designing an ELISA method for quantitative measurement of antisperm antibody (ASA) in serum, follicular fluid, cervical mucus and seminal fluid*, National Research Center for Medical Sciences, 2001-2004.
- Research Assistant, *A study of psycho aspects of infertility in Iran*, Deputy for Research, ACECR, 2001-2004.
- Research Assistant, *Investigation of effect of environmental factors on fertility from staff 's point of view working on infertility field in Iran*, Avicenna Research Institute, 2001-2002.
- Research Assistant, *Investigation of effect of environmental factors on fertility from staff 's point of view working on infertility field in Iran*, Avicenna Research Institute, 2001-2002.
- Research Assistant, *Psychosocial aspects of infertility from view point of infertility physicians*, Avicenna Research Institute, 2001.
- Principal Investigator, *Production of GM-CSF (Granulocyte macrophage colony- stimulating factor) in milk of transgenic goat*, Management & Planning Organization & Pasteur Institute of Iran, 20001-2006.
- Research Assistant, *Production and purification of hormonal & non-hormonal diagnostic kit raw materials*, Management & Planning Organization, 2000-2006.
- Research Assistant, *Synthesis, extraction and purification of drugs streptokinase Pancratine*, Management & Planning Organization, 2000-2005.
- Principal Investigator, *Examination of jurisprudential and legal aspects of ovum and embryo transfer and donation in IVF centers of Tehran province*, Management & Planning Organization, 2000-2004.
- Principal Investigator, *Ultra structural study of process of human embryo implantation in Vitro using polarized endometrial cells*, Deputy for Research, Ministry of Health, 1999-2002.
- Principal Investigator, *Study of the development of human embryo on fallopian tube polarized cell culture*, Deputy for Research, Ministry of Health, 1999-2002.
- Principal Investigator, *Comparative study between the two histological (TESE) and pathological (T.Bx.) Methods to evaluate the presence of spermatozoa in men with non- obstructive azoospermia*, Deputy for Research, Ministry of Health, 1999-2002.

2. Current Projects:

- Research Assistant, *G-CSF and assisted reproductive techniques outcomes in repeated implantation failures*, Avicenna Infertility Clinic, 2014.

- Principal Investigator, *Repair of cartilage defects using artificial tissue engineered by stem cells and 3D scaffolds based on silk*, Staff for Development and Application of Stem Cells Research, 2014.
- Research Assistant, *Metabolomics profiling of the human seminal plasma by GCMS: a non-invasive identification of spermatogenesis in men with non-obstructive azoospermia*, Deputy for Research, ACECR, 2014.
- Research Assistant, *Comparing of GnRH antagonist protocol during early and late follicular phase and GnRH antagonist protocol(flexible) and long GnRH agonist protocol in patients with polycystic ovary syndrome undergoing ICSI*, Avicenna Infertility Clinic, 2013.
- Research Assistant, *Efficacy of Granulocyte Colony Stimulating Factor on treatment of unexplained recurrent miscarriage in Avesine center*, Avicenna Infertility Clinic, 2013.
- Research Assistant, *Efficacy of gonadotropin-releasing hormone agonist addition for luteal phase support in women with repeated implantation failure undergoing intracytoplasmic sperm injection cycles*, Avicenna Infertility Clinic, 2013.
- Principal Investigator, *evaluation of three dimensional culture and endometrial coculture effect on embryo qualification and survival in vitro*, Avicenna Infertility Clinic, 2013.
- Research Assistant, *Evaluation of engineered tissue derived from menstrual blood stem cells, keratinocytes and three dimensional nanofibers based on amnion membrane in skin wound repair of nude mice*, Iran National Science Foundation, 2013.
- Research Assistant, *Efficacy of gonadotropin-releasing hormone agonist addition for luteal phase support in women with repeated implantation failure undergoing intracytoplasmic sperm injection cycles*, Avicenna Infertility Clinic, 2013.
- Principal Investigator, *Lived experience of pregnant women using assisted reproductive techniques*, Avicenna Infertility Clinic, 2013.
- Principal Investigator, *Fabrication and Characterization of Engineered Foetal Membrane for Skin Tissue Engineering*, Avicenna Reserch Institute, 2013.
- Research Assistant, *Assessment of the effect of intrauterine injection of human chorionic gonadotropin (hCG) before embryo transfer on the implantation and pregnancy rates in the intracytoplasmic sperm injection (ICSI) method among patients who referred to infertility clinic of the Avicenna research center during 2013-2014*, Avicenna Infertility Clinic, 2013.
- Research Assistant, *Developmental capacity improvement of vitrified-warmed oocytes in bovine animal model*, Avicenna Reserch Institute, 2013.
- Principal Investigator, *Fabrication, Optimization and standardization of 3D scaffolds based on silk and natural polymers for clinical cartilage regeneration*, Avicenna Reserch Institute, 2013.
- Research Assistant, *Production of canine polyclonal antibody against human, mouse, sheep and rabbit*, Avicenna Reserch Institute, 2012.

- Research Assistant, *Epigenetic modifications and quantitative and qualitative alterations of transcripts involved in development of embryos derived from vitrified-warmed ovine oocytes*, Avicenna Reserch Institute and Royan Institue, 2012.
- Research Assistant, *Effect of shorter abstinence on ICSI outcomes*, Avicenna Reserch Institute and Royan Institue, 2012.
- Principal Investigator, *Risk- perception and sexual risk-taking behaviours among male college-students in Tehran*, WHO, 2012.
- Research Assistant, *Expression of CD44 isoforms (v6 and v7) in acude myeloid leukemia patients and evaluation of the function of produced monoclonal antibody against the dominant isoform*, Avicenna Research Institute, 2011.
- Principal Investigator, *Three dimaltial culture of human ovarian cortical follicles with the aim of fertility preservation in cancerous patients*, Avicenna Research Institute & Iranian Tissue Bank & Research Center, Tehran University of Medical Sciences, 2011.
- Principal Investigator, *National Priorities in Bioethics and Ethics in Science and Technology*, Avicenna Research Institute, National Institute of Genetics Engineering and Biotechnology, Agriculture Biotechnology Research Institute of Iran, Medical Ethics and History of Medical Research Center, Biotechnology Development Council, I.R.I & Iranian National Committee for Bioethics, Iranian National Commission for UNESCO, 2011.
- Research Assistant, *Production of knockout mouse with targeted deletion of the Rag1 and Rag2 genes*, Avicenna Research Institute, 2011.
- Research Assistant, *Chimerization of murine anti-Ror1 antibody and analysis of its cytotoxic efficacy in murine tumor model*, Industrial Development and Renovation Organization of Iran, 2011.
- Research Assistant, *Setting up animal models of cancer immunotherapy*, Avicenna Research Institute, 2010.
- Research Assistant, *Relationship between MTHFR genotype and Homocysteine Concentration in recurrent abortion*, Avicenna Research Institute, 2009.
- Principal Investigator, *Iran fertility survey 2009*, Avicenna Research Institute, 2009.
- Research Assistant, *Comparison of immunogenicity and short term reactogenicity of domestically produced with World Health Organization approved MMR vaccine in Iranian children and infants*, Undersecretary For Research, Ministry of Health, 2009.
- Research Assistant, *Study of metallothionein 1M gene exon 2 polymorphism and screening the metallothionein 1G polymorphisms in men with unknown infertility refered to Ebne Sina center compared with healthy fertile men*, Avicenna Research Institute & Iran University of Medical Sciences, 2008.
- Research Assistant, *A Comparative, qualitative and quantitative study on sexual understanding of Iranian and Malaysian young premarriage people, developing interventional model and evaluating effectiveness of the model*, Avicenna Research Institute & University of Malaya, 2008.

B. Clinical Activities:

- Establishment of Sexual Health Clinic, Avicenna Infertility Clinic, 2011.
- Project administrator for producing documentary on Gamete & Embryo Donation Conference, 2007
- Project administrator for producing movie entitled “ Gamete & Embryo Donation”, Avicenna Research Institute, 2007.
- Project administrator for producing documentary on “Laparoscopy in Infertility”,2006.
- Establishment of embryology & stem cell laboratory, Reproductive Biotechnology Research Center, Avicenna Research Institute, 2005.
- Establishment of embryology laboratory, Avicenna Infertility Clinic, 2003.
- Project administrator for producing documentary on Comprehensive Study on the Aspects of Abortion in Iran, Avicenna Research Institute, 2002-2004.
- Establishment of hormone diagnosis laboratory, Royan Institute, Iran, 1998.
- Establishment of animal laboratory, Avicenna Research Institute, 1998.
- Establishment of spermatid injection for obstructed azoospermia patient, Royan Institute, 1996.
- Establishment of TESE (Sperm Extraction Technique for ICSI in Azoospermia patients), Royan Institute, 1996.
- Establishment of embryology laboratory: IUI, IVF, ICSI and Sperm & Embryo Freezing, Royan Institute, 1995.
- Design & establishment of GC (group collaboration) at embryology laboratory, Avicenna Infertility Clinic.
- GC NEQAS UK Andrology lab
- Andrology Laboratory, Computer Assisted Sperm Analysis (CASA), Sperm & Embryo Freezing, Sheffield University, Department of Obstetrics & Gynecology, 1992-5.

VI- Major Administrative Responsibilities:

- Chairman of Technology Council, Avicenna Health Technology Incubator, Since 2015.
- Chairman and member of founding board , Iranian Society of Embryology and Reproductive Biology, Since 2012.
- Member of examination board for reproductive biology major, Ministry of Health, Since 2012.
- Chairman of Iranian National Committee for Bioethics & the Ethics of Science & Technology, Since 2010.
- Chairman Manager, Avicenna Journal of Medical Biotechnology affiliated to Avicenna Research Institute, Since 2008.
- Chairman, Interdisciplinary Seminar on Surrogacy, Tehran, Iran, 2007.

- Chairman, National Congress on AIDS, Tehran, Iran, 2006.
- Chairman, workshop on Laparoscopy in Treatment of Infertility, Avicenna Infertility Clinic, 2006.
- Chairman, workshop on Controversies in ART Failures, Avicenna Infertility Clinic, 2006.
- Chairman, 9th specialized seminar on Immunological Aspects of Fertility and Infertility, Isfahan, Iran, 2004.
- Chairman, 8th specialized seminar for Comprehensive Study on the Aspects of Abortion in Iran, 2003.
- Chairman, 7th specialized seminar on Environmental Factors and Infertility, 2002.
- Director, bioethic committee in medical researches affiliated to Avicenna Research Institute, Since 2001.
- Chairman, 6th specialized symposium on Psychological Aspects of Infertility, 2001.
- Chairman, 4th specialized symposium on Reproductive Endocrinology and Infertility, 2000.
- Director of Editorial Board, Medical Journal of Reproduction and Infertility affiliated to Avicenna Research Institute, Since 1999.
- Chairman Manager, Medical Journal of Reproduction & Infertility affiliated to Avicenna Research Institute, Since 1999.
- Head, professional team of embryology, Avicenna Infertility Clinic, Since 1999.
- Head and member of scientific board of Endocrinology, Reproductive Medicine and Embryology Research Department, Since 1999
- Chairman, 5th specialized symposium on Genetics and Biotechnology of Reproduction, 1999.
- Chairman, 2nd specialized symposium on Immunological Factors in Recurrent Spontaneous Abortion, 1999.
- Chairman, 1st specialized symposium on Legal Aspects of Egg and Embryo Donation, 1999.
- Director, short term training course on Techniques in Reproductive Biology, ACECR, 1999.
- Chairman & founder, Avicenna Research Institute, Tehran, Iran. Since 1998.
- Head, Reproductive Biotechnology Research Center, Avicenna Research Institute, Since 1998.
- Director, scientific council of Avicenna Research Institute, Since 1998.
- Chairman, 3rd specialized symposium on infection and infertility, 1999.
- Head, Iranian Academic Center for Education, Culture and Research (ACECR), Shahid Beheshti University of Medical Sciences, Tehran, Iran, 1998-2003.
- Founder, reproductive biology & infertility research group, ACECR, Iran University of Medical Sciences, 1997.
- Head, ACECR supervision & development council (Central Office), Tehran, Iran, 1988.
- Head & founder, Daneshpay Institute (Institute of Medical Education Equipment), Iran University of Medical Sciences, 1987-1990.
- Director, Programming & Management Organization, ACECR Central Office, 1987.
- Financial & Administrative in Charge, ACECR, Iran University of Medical Sciences, 1986.

- Founder & member of directory board, ACECR, Tehran, Iran, 1980-1982.

VII- Professional Memberships:

1. Member of ACECR committee for the fifth three-year development plan, since 2014.
2. Natural member of 4th Iranian National Commission for UNESCO, Since 2013.
3. Head of IUI sub commission, Ministry of Health, Since 2012.
4. Member of steering committee for compiling standards and hygiene tariff, Ministry of Health & Medical Education, Since 2012.
5. Member of specialized commission of ACECR's distinguished board of medicine, Since 2011.
6. Permanent member of steering committee of compiling infertility services standards, Since 2010.
7. Member of legal team for constitution assessment of Iranian Biological Resource Center, Since 2010.
8. Member of editorial board in the Bioethics and Biosafety Journal, Since 2009.
9. Member of specialized research group, Ministry of Health & Medical Education, Since 2009.
10. Member of council in Iran national center for genetics and bioresources, Since 2009.
11. Member of committee for compiling standards of human cells and tissues products, Ministry of Health & Medical Education, Since 2009.
12. Member of editorial board in the Avicenna Journal of Medical Biotechnology, Since 2008.
13. Member of research group on “1404 National Comprehensive Scientific Program”, Ministry of Health & Medical Education, Since 2008.
14. Member of planning council for infrastructure and general affairs of fourth development program (ACECR), Since 2008
15. Member of Programming & Guidance Council for Research and Technology (ACECR), Since 2006.
16. Member of ACECR Committee for 20 Years Horizon of the Country, Since 2006.
17. Member of higher education and researches assessment council, Supreme Council of Cultural Revolution, Since 2006.
18. Member of professional team of embryology, Avicenna Infertility Clinic, Since 1999.
19. Member of scientific board at Endocrinology, Reproductive Medicine and Embryology Research Department, Since 1999.
20. Member of medical committee at the Council of Scientific Researches of the country.
21. Member of National Bioethics Committee of Iranian International Commission for UNESCO, Since 2005.
22. Member of New Medical Technology Committee in Ministry of Health & Medical Education, 2004.

23. Member of National Bioethics Committee of UNESCO in Iran, Since 2003.
24. Member of Coordinating Council in Central Office (ACECR), Since 2003.
25. Board of trustee member in Yazd Higher Education Institute (ACECR), Since 2002.
26. Board of trustee member in Ahvaz Higher Education Institute (ACECR), Since 2002.
27. Membership at the Board of Supervision and Assessment of Cultural and Scientific Affairs, Supreme Council of Cultural Revolution, 2002.
28. Member of ESHRE (European Society for Human Reproduction & Embryology), Since 2001.
29. Member of Bioethics Committee in Medical Researches, Avicenna Research Institute, Since 2001.
30. Member of Supervision & Development Council of Research Organs, ACECR (central office), 2001-2003.
31. Member of Cultural Council, Shaheed Beheshti University of Medical Sciences, 2000-2002.
32. Member of Council for Educational Facilities, ACECR (central office), 1999-2002.
33. The agent of Management & Planning Organization in Medical Committee of the country's Scientific Researches Council, 1999.
34. The agent of ACECR at Research & Generative Institute of Medical Diagnostic Reagents, 1998.
35. Member of Para Commission for Promotion, ACECR (Iran University of Medical Sciences), 1999.
36. Founding Board member of ACECR (Academic Center for Education, Culture & Research), 1986.
37. Member of ACECR council, Iran University of Medical Sciences, Tehran, Iran, 1986.
38. Member of Supreme Council, ACECR (central office), Tehran, Iran, 1980.

VIII- Teaching Experience(s):

- 2000-2001 Cell culture & tissue course. MSc degree. Khatam Institute of Higher Education. Tehran
- 2002- 2003 Cell culture course. PhD degree. Tehran University of Medical Sciences. Tehran
- 2009 Medical issues concerning embryo donation. Justice Administration of Tehran
- 2011 Advanced techniques in fertility and infertility. PhD degree. Tehran University of Medical Sciences. Tehran

IX- Publications:

A. Book (s):

1. Karoubi M.T, **Akhondi M.A.** *International and Regional Bioethics Documents*. Tehran: Avicenna Research Institute Press, 2013.
2. Kazemnejad S, Khanmohammadi M, Heidari Vala H, **Akhondi M.A.** *Advanced Biology of Adult Stem Cells*. Tehran: Avicenna Research Institute Press, 2013.
3. Rasekh M, **Akhondi M.A.**, Khodaparast A.H, Mohazab A, Monfared L. *Stem Cell: Ethics and Law*. Tehran: Avicenna Research Institute Press, 2010.
4. **Akhondi M.A.**, Karimian I. *In Vitro Fertilization, Laboratory Procedure in Assisted Reproductive Technique (ART)*. Tehran: Majed Press, 1997.

B. Book Chapters:

1. Karoubi, M.T, **Akhondi, M.A.**, & Nasiri-Mahalati, Z. (2010). *International legal tools to regulate scientific activities in the field of human cloning*. In M.A. Akhondi, G. Eftekhar-Jahromi, M. Rasekh, & A. Motevallyzadeh Ardekani (Eds.), *Genetics, Law, Ethics, Psychology* (pp.81-96), Tehran, Iran, Avicenna Research Institute press.
2. Ghorbani, B., & **Behjati Ardakani, Z.** (2009). *Psychological aspects of fertility preservation in cancer patients*. In a group of authors (Eds.), *Fertility Preservation* (pp. 217-223), Tehran, Iran, Avicenna Research Institute press.
3. Hormozi, M., Heidari, M., Hosseini-Gohari, L., Jeddi-Tehrani, M., Zarnani, A.H., Firouzray, M., & **Akhondi M.A.** (2009). *Evaluation of the fertility preservation techniques in girls and young women with cancer*. In a group of authors (Eds.), *Fertility Preservation* (pp. 99-109), Tehran, Iran, Avicenna Research Institute press.
4. Naderi, M.M., Sarvari, A., Sadeghi, M.R, & **Akhondi, M.A.** (2009). *Cryobiology and fertility preservation*. In a group of authors (Eds.), *Fertility Preservation* (pp. 147-159), Tehran, Iran, Avicenna Research Institute press.
5. Mohazab, A., Salehkhoh, Sh., & **Akhondi, M.A.** (2009). *Fertility Preservation in Men after Cancer Treatment*. In a group of authors (Eds.), *Fertility Preservation* (pp. 111-124), Tehran, Iran, Avicenna Research Institute press.
6. Sarvari, A., Naderi, M.M., Heidari, M., & **Akhondi M.A.** (2009). *The effect of environmental risk factors on male and female fertility*. In a group of authors (Eds.), *Fertility Preservation* (pp. 55-76), Tehran, Iran, Avicenna Research Institute press.
7. Akbarpour, M., Heidari, M., Salehkhoh, Sh., & **Akhondi M.A.** (2009). *Common Techniques for Preserving Fertility in Girls and Young Women Undergoing Cancer Treatment*. In a group of authors (Eds.), *Fertility Preservation* (pp. 162-169), Tehran, Iran, Avicenna Research Institute press.
8. **Akhondi, M.A.**, & Behjati Ardakani, Z. (2008). *Establishment of a comprehensive insurance system in diagnosis and treatment of infertility*. In a group of authors (Eds.), *Infertility and Insurance* (pp. 38-56), Tehran, Iran, Avicenna Research Institute press.
9. Bozorgmehr, M., Jeddi-Tehrani, M., Nikoo, Sh., Shervin, A., Tavakoli, M., Ebtekar, M., Arefi, S., **Akhondi, M.A.**, & Zarnani, A.H. (2008). *Immunology of endometriosis*. In a group of authors (Eds.), *Endometriosis* (pp.7-30), Tehran,

Iran, Avicenna Research Institute & Shahid Beheshti University of Medical Sciences press.

10. Hodjat, M., **Akhondi, M.A.**, Lakpour, N., & Sadeghi, M.R. (2008). *The use of Biomarkers in diagnosis of endometriosis*. In a group of authors (Eds.), Endometriosis (pp.101-117), Tehran, Iran, Avicenna Research Institute & Shahid Beheshti University of Medical Sciences press.
11. Sadeghi, M.R., Shokoufi, Sh., **Akhondi, M.A.**, & Hosseini-Jadda, H. (2008). *The effect of endometriosis in ARTs (quality of ovum, embryo, fertilization and implantation)*. In a group of authors (Eds.), Endometriosis (pp.126-148), Tehran, Iran, Avicenna Research Institute & Shahid Beheshti University of Medical Sciences press.
12. Behjati Ardakani, Z., **Akhondi, M.A.**, & Ebadi P. (2008). *Social and cultural structure of infertility and the necessity of using insurance with emphasis on the function of different countries*. In a group of authors (Eds.), Infertility and Insurance (pp.12-23), Tehran, Iran, Avicenna Research Institute press.
13. Babania, A., Tarahomi, M., Saffari, H.R, **Akhondi, M.A.**, & Najafi B. (2008). *Suggested regulation on infertility insurance coverage*. In a group of authors (Eds.), Infertility and Insurance (pp.137-140), Tehran, Iran, Avicenna Research Institute press.
14. Ahmadi, S.M., **Akhondi, M.A.**, & Behjati Ardakani, Z. (2007). *Embryo reduction in multiple pregnancies*. In a group of authors (Eds.), Medical, Legal, Islamic Jurisprudential, Ethical-Philosophical, Social and Psychological Aspects of Abortion (pp. 3-14), Tehran, Iran, SAMT press.
15. Behjati Ardakani, Z., **Akhondi, M.A.**, Sadeghi, M.R., & Sadri Ardekani, H. (2007). *The necessity of comprehensive study on abortion in Iran*. In a group of authors (Eds.), Medical, Legal, Islamic Jurisprudential, Ethical-Philosophical, Social and Psychological Aspects of Abortion (pp. 212-241), Tehran, Iran, SAMT press.
16. Behjati Ardakani, Z., **Akhondi, M.A.**, Shidfar, F. (2007). *Counseling and assessment in surrogacy*. In a group of authors (Eds.), Medical, Legal, Islamic Jurisprudential, Ethical-Philosophical, Sociological and Psychological Aspects of Surrogacy (pp. 15-26), Tehran, Iran, SAMT press.
17. Milanifar, A.R., **Akhondi, M.A.**, Behjati Ardakani, Z., & Abdollahzadeh, A. (2007). *Issuing birth certificates and ID cards for newborns following a surrogate birth and the legal and ethical responsibilities of the medical team*. In a group of authors (Eds.), Medical, Legal, Islamic Jurisprudential, Ethical-Philosophical, Sociological and Psychological Aspects of Surrogacy (pp. 461-468), Tehran, Iran, SAMT press.
18. **Akhondi, M.A.**, & Behjati Ardakani, Z. (2007). *Surrogacy and the necessity for its application in infertility treatment*. In a group of authors (Eds.), Medical, Legal, Islamic Jurisprudential, Ethical-Philosophical, Sociological and Psychological Aspects of Surrogacy (pp. 3-14), Tehran, Iran, SAMT press.
19. **Akhondi, M.A.**, Behjati Ardakani, Z., & Arefi, S. (2005). A close look at natural and in vitro fertilization as well as the need for donated gametes in treatment of infertility. In a group of authors (Eds.), Essays on Gamete and Embryo Donation in Infertility Treatment from Medical, Theological, Legal, Ethical, Psychological and Sociological Approaches (pp. 9-39), Tehran, Iran, SAMT press.
20. Behjati Ardakani, Z., **Akhondi, M.A.**, Milanifar, A.R., & Modabberi, Y. (2005). *Counseling, evaluation and screening of donor and recipient in third*

- party reproduction and the matching process.* In a group of authors (Eds.), *Essays on Gamete and Embryo Donation in Infertility Treatment from Medical, Theological, Legal, Ethical, Psychological and Sociological Approaches* (pp.59-76), Tehran, Iran, SAMT press.
21. Abbasi Shavazi, M.J., Razeghi H.B., Behjati Ardakani, Z., & **Akhondi, M.A.** (2005). *Socio- cultural aspects of gamete and embryo donation in treatment of infertility: Case study in Tehran.* In a group of authors (Eds.), *Essays on Gamete and Embryo Donation in Infertility Treatment from Medical, Theological, Legal, Ethical, Psychological and Sociological Approaches* (pp.397-416), Tehran, Iran, SAMT press.
 22. **Akhondi, M.A.** (2005). *Assessment the managing process of embryo donation & its transferring.* *The Consideration of Challenges and Management of the Embryo Donation Law 2005*; 67-8
 23. **Akhondi, M.A.**, & Sadeghi, M.R. (2001). *The necessity of assisted reproductive technology (ART) in human reproduction.* *Modern Human Reproductive Techniques from the View of Jurisprudence and Law* (pp.18-39)

C. Book Translation:

1. Brooks A. Keel. *Assisted Reproduction Laboratory*, trans. Arefi S, **Akhondi M.A**, Amir Jannati N, Heidari M, Sadeghi M.R, Sadri Ardekani H, Ghaffari Novin M, Mohammadzadeh A, Maleki H, Avicenna Research Institute, 2005.

D. Domestic Journals:

- 1 Milanifar A, Behjati Ardakani Z, **Akhondi M.A.** *An evaluation of Iranian judges' decisions about the Act of embryo donation.* *International Journal of Fertility and Sterility* 2015 Jul-Sep; 9(2).
- 2 Behjati Ardakani Z, Karoubi M. T, Milanifar A, Masrouri R, **Akhondi M.A.** *Embryo Donation in Iranian Legal System: A Critical Review.* *Journal of Reproduction and Infertility* 2015; 16(3):130-37.
- 3 Ranjbar F, Behboodi-Moghadam Z, Borimnejad L, Ghaffari S.R, **Akhondi M.A.** *Experiences of infertile women seeking assisted pregnancy in Iran: A qualitative study.* *Journal of Reproduction and Infertility* 2015; 16(4):221-28.
- 4 Ranjbar F, Shirzad M, Kamali K, **Akhondi M.A**, Ghoojani A, Behjati Ardakani Z, Parsaeian M, Mohammad K. *Fertility Behavior of Iranian Women: A Community-Based, Cross-Sectional Study,* *Archives of Iranian Medicine* 2015Jan; 18(1): 2-5.
- 5 Ahmadi F, Shirzad M, Kamali K , Ranjbar F , Behjati Ardakani Z , **Akhondi M.A.** *Attitudes about Sex Selection and Sex Preference in Iranian Couples Referred for Sex Selection Technology,* *Journal of Reproduction and Infertility* 2015; 16(1):36-42.
- 6 Ghaemimanes F, Ahmadian Gh, Talebi S, Zarnani A.H, Behmanesh M, Hemmati Sh, Hadavi R, Jeddi-Tehrani M, Farzi M, **Akhondi M.A** , Rabbani H. *The Effect of Sortilin Silencing on Ovarian Carcinoma Cells.* *Avicenna Journal of Medical Biotechnology* 2014; 6(3): 169-77.

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X- Abstracts:

A. National Congresses:

1. Ranjbar F, Kamali K, **Akhondi M.A**, Shirzad M, Ghoojani A, Behjati Ardakani Z, Parsaeian M, Mohammad K. *Fertility Behaviour of Iranian Women: A Community-Based, Cross-Sectional Study*, International Congress on Reproduction (ISERB 2015), Tehran, Iran, 23-25 May, 2015.
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XI- Thesis Supervision:

- 1- Torabi F. Sperm selection based on molecular markers on spermatozoa surface. Advisor, M.Sc. degree, 2012.
- 2- Piravar Z. Culture and transplantation of human Spermatogonial stem cell to Azospermic Immunodeficient mice. Supervisor, Ph.D. degree, 2012.
- 3- Eghbali M. Assesment of existence of transcripts of four testis's specific genes (TSPY, SPTRX3, SPTRX1, DAZ) in seminal fluid in men with non-obstructive azzospermia. Advisor, M.Sc. degree, 2011.
- 4- Goharbakhsh L, Isolation and culture of spermatogonial stem cell of human testis. Supervisor, M.Sc. degress, 2011.
- 5- Hormozi M. Study of the effects of Adenosin and Melilotus officinalis on apoptosis, expression of angiogenesis factors (VEGF and Angiopoetin) and angiogenesis in human ovarian cortex after transplantation in nude mice. Supervisor, Ph.D. degree, 2011.
- 6- Alizadeh H. Transferring GFP gene to mouse sperm, Supervisor, M.Sc. degree, 2010.
- 7- Abadi M. Study of a suitable protocol for cryopreservation of human ovarian, M.Sc. degree, Supervisor, 2010.
- 8- Mohammadali Poursani E. Spermatogonial stem cell isolation and culture from Balb/c mouse testis, Supervisor, M.Sc. degree, 2010.
- 9- Jabbari S. Phosphoproteome analysis of sperm cells in normospermic and terutospermic, Advisor, M.Sc. degree, 2009.
- 10- Sabetian-Fard S. Identification of biochemical markers for spermatogenesis in seminal plasma of azospermic men, Advisor, M.Sc. degree, 2009.
- 11- Raygani M. Effect of folicucid and zinc sulfate supplement of sperm function sperm in subfertile male, Advisor, M.Sc. degree, 2009.
- 12- Dehghan Marvest L. Testing for Chlamydia trachomatis and/or Mycoplasma genitalium including serology to determine pregnancy rates in infertile couples from Tehran, Supervisor, Ph.D. degree, 2008.
- 13- Jafarian A. Assessment the simultaneous & separated effects of human follicular stimulating hormone & estradiol spermatogenesis induction, Supervisor, M.Sc. degree, 2008.
- 14- Hosein Zadeh F. Isolation, culture & characterization of spermatogonial stem cell in mouse testis, Supervisor, M.Sc. degree, 2008.

- 15- Savadi Shirazi E. Examination of sperm's mRNA contain and relation between it and hormonal sperm's fertility and functional parameters, Advisor, M.Sc. degree, 2008.
- 16- Fazeli F. The effect of Vitrification on mouse oocytes, Supervisor. M.Sc. degree, 2008.
- 17- Aslani F. Identification of molecular markers of spermatogenesis in semen of non-obstructive azoospermic men, Advisor, M.Sc. degree, 2008.
- 18- Bagheri Pour A. Investigation of interactive role of body image and fertility status on Tehran male psycho-social development in men, Supervisor, M.Sc. degree, 2008.
- 19- Fazlikhalaf Z, Evaluation of marital satisfaction of infertile couples in selected infertility clinics in Tehran. Advisor, M.Sc. degree, 2007.
- 20- Akbarzadeh Najar R. The study of androgenic hormones on spermatogenesis induction after spermatogenous stem cell transplantation in Azoospermic mouse model, Supervisor, M.Sc. degree, 2006.
- 21- Sheikhlou A. Characterization of monoclonal antibodies against human sperm surface antigens, Supervisor, M.Sc. degree, 2006.
- 22- Lakpour N. Study of mutations in glutathione peroxidase-4 gene and oxidative stress in infertile men with defective sperm parameters, Advisor, M.Sc. degree, 2006.
- 23- Jahanbakht H. Production culture of human embryonic stem cells in order to study isorvay of never growth factor and retinoic acid and sonic hedge hog developmental effects, Supervisor, Ph.D. degree, 2006.
- 24- Razeghi H.B. Socio-cultural and demography aspect of infertility: Case study in Tehran, Supervisor, M.Sc. degree, 2005.
- 25- Darvish Nia H. Comparison the effect of two methods of cryopreservation including vitrification cryo and cryo in liquid nitrogen on motility, DNA breaking and sperm spontanevs acrosomal reaction, Advisor, M.Sc. degree, 2005.
- 26- Mohseni Nodehi S. Production of monoclonal antibody for identification of human adult stem cell markers, Advisor, M.Sc. degree, 2005.
- 27- Hodjat M. Production and purification of anti-ubiquitin antibody for detection of defective spermatozoa in infertile male, Advisor, M.Sc. degree, 2005.
- 28- Merghati T. Assessment of ART techniques from legal and Islamic Juridical viewpoint, Advisor, Ph.D. degree, 2005.
- 29- Talebian A. Elisa kit design for quantitative measurement of antisperm antibodies in serum and seminal fluid, Advisor, M.Sc. degree, 2003.
- 30- Torkabadi E. Detection and purification of human sperm surface antigens using monoclonal antibodies and its effect on motility, capacitation and acrosome reaction, Supervisor, M.Sc. degree, 2003.
- 31- Sadeghi M.R, Purification and identification of sperm maturation factors, Supervisor, Ph.D. degree, 2000.
- 32- Sammak L. Cytogenetic analysis of two cells embryo in IVF, Advisor, M.Sc. degree, 1999.
- 33- Oghdaee F. Cytogenetic analysis of unfertilized human oocytes after IVF, Advisor, M.Sc. degree, 1999.
- 34- Parvizi Sh. Effects of Urografin 76% on Spermatogenesis in Mice, Advisor, M.Sc. degree, 1998.