

**PERSONAL INFORMATION**

First Name: Mojtaba  
Surname: Dashtizad  
Date of Birth: 28.08.1975  
Place of Birth: Yazd, Iran  
Marital Status: Married

Address: C-12-18, Arena Green Apt. NO-3 JLN 1/155A, BKT Jalil, 57000, Kuala Lumpur, W. Persekutuan

Home: +603 8996 3552, +98 351 8245 648  
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**EDUCATION**

- **Doctor of Philosophy (Ph.D.), 2011**  
(GCPA: 4/4)  
Theriogenology and Cytogenetics  
Department of Clinical Studies, Faculty of Veterinary Medicine  
University Putra Malaysia (UPM), Malaysia
- **Master of Science (M.Sc.), 2003**  
(GCPA: 3.45/4)  
Developmental Biology  
Department of Biology, Faculty of Science,  
Tehran Azad University, Tehran, Iran
- **Bachelor of Science (B.Sc.), 1999**  
(GCPA: 3.15/4)  
Biology, Zoology  
Department of Biology, Faculty of Science,  
Ferdowsi University of Mashhad, Mashhad, Iran

**WORK EXPERIENCES**

- **Scientist at Reproduction Laboratory, 2008-2011**  
Department of Animal Reproduction,  
Agro-Biotechnology Institute (ABI), Malaysia
- **Optimization of Vitrification and *In vitro* Embryo Production, 2009 (April-July)**  
Department of Animal Reproduction,  
National Institute for Genetic Engineering and Biotechnology (NIGEB), Tehran, Iran
- **Head of Embryology and Andrology Laboratory, 2006-2007**  
Reproductive Medicine center, Parsian Hospital, Tehran, Iran

- **Lecturer on Biology and Embryology, 2005-2007**  
Department of Biology, Azad University, Tehran, Iran
- **A Member of Research Committee, 2003-2004**  
Department of Human Reproduction, Sarem Community Hospital, Tehran, Iran
- **Technician in Embryology and Andrology Laboratory, 2000-2004**  
Assisted Reproductive Laboratory, Sarem Women's Hospital, Tehran, Iran
- **Lab Technician in Hormone and Immunology Laboratory, 1999-2000**  
Infertility and Reproduction Health Clinic, Sarem Women's Hospital, Tehran, Iran

### **RESEARCH EXPERIENCES**

- **Hormonal and Oocyte Activation Treatments on *In Vitro* Bovine Embryo Development and Interspecies Hybridization of *Bovidae* Embryos Following Intracytoplasmic Sperm Injection (ICSI), 2008-2011**  
Agro-Biotechnology Institute (ABI), Malaysia  
**Dashtizad M.**, Wahid H., Abas Mazni O., Rosnina Y., Daliri M., Hajarian H.
- **Rapid Multiplication of Bali Cattle and Its Crossbred Using Advance Assisted Reproductive Biotechnologies, 2008-2011**  
Agro-Biotechnology Institute (ABI), Malaysia  
**Dashtizad M.**, Wahid H., Abas Mazni O., Rosnina Y., Daliri M., Hajarian H.
- **Vitrification of Immature, Mature Oocytes and Embryos, 2008-2010**  
Agro-Biotechnology Institute (ABI), Malaysia  
Hajarian H. Wahid H., Abas Mazni O., Rosnina Y., Daliri M., **Dashtizad M.**
- ***In Vitro* Maturation and Fertilization of Human Oocyte without Induction in PCO & PCOS Patients, 2002-2003**  
Sarem Community Hospital, Tehran, Iran. **Dashtizad M.**, Saremi A., Azarnia M.

### **RESEARCH INTERESTS**

Interested in basic and applied aspects of reproductive biology, Mechanism of oocyte maturation and artificial oocyte activation, Micromanipulation of gametes and embryos, Pre-implantation genetic diagnosis (PGD), *In vitro* embryo development and cloning, Gene expression in embryos, Conservation of highly valuable and endangered species using advanced assisted reproductive techniques (ARTs)

### **PROFESSIONAL COURSES AND TRAININGS/WORKSHOP**

- **Application of Proteomics in Agro-Biotechnology**  
Agro-Biotechnology Institute (ABI), 10 December 2009, Serdang, Malaysia

- **Statistic & System Thinking as Applied in Biotechnology**  
Agro-Biotechnology Institute (ABI), 2–4 November 2009, Melaka, Malaysia
- **Application of Assisted Reproductive Technology (ART)**  
National Advanced Reproductive Biotechnology, Agro-Biotechnology Institute (ABI), 21–23 October 2009, Serdang, Malaysia
- **Animal Semen Sampling, Analysis, and Cryopreservation Technique**  
Institute Biotechnology Veterinary Kebangsaan (IBVK), 27 & 28<sup>th</sup> February 2009 & 1<sup>st</sup> March 2009, Pahang, Malaysia
- **Advances of UV and Fluorescence Techniques in Clinical Applications**  
Faculty of Medicine & Health Science, University Putra Malaysia (UPM), 28 April 2008, Selangor, Malaysia
- **Introduction of Electro-fusion. Its Advantages and Applications**  
Eppendorf Asia Pacific Company South & Southeast Asia Marketing office, Eppendorf cell Technology, 24 & 25 April 2008, Kuala Lumpur, Malaysia
- **Carzeiss Laser Scanning Microscope (LSM)**  
Hospital University Kebangsaan Malaysia (HUKM), Molecular Medicine Institute, 17 & 18<sup>th</sup> April 2008, Kuala Lumpur, Malaysia
- **Advanced Assisted Reproductive Technology**  
Lab IVF Company, 8-9 April 2008, Kuala Lumpur, Malaysia
- **DNA and RNA extraction PCR and RT-PCR techniques and also cloning and expression of genes in molecular genetics of domesticated animal Laboratory**  
National Institute for Genetic Engineering and Biotechnology (NIGEB), April-June 2006, Tehran, Iran
- **Human Oocytes and Embryo Vitrification**
- **Single cell PCR in sex selection and PGD**
- **Infertility clinic total solution (ICTS)**  
Avesina Research Institute & ART center of USHCL University (Germany), 25-28 January 2005, Tehran, Iran

### **PUBLISHED ARTICLES (PEER-REVIEWED)**

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Abas Mazni O. Effects of Ghrelin on *In vitro* Nuclear Maturation and Subsequent Embryo Development of Immature Bovine Oocytes. (2011) Journal of Animal and Veterinary Advances, 10 (21): 2797-2801

Hajarian H., Wahid H., Rosnina Y., Daliri M., **Dashtizad M.**, Abas Mazni O. H. Cryotop and development of vitrified immature bovine oocytes. (2011) Arquivo Brasileiro de Medicina Veterinária Zootecnia, 63 (1) 67-73

Hajarian H., Wahid H., Rosnina Y., Daliri M., **Dashtizad M.**, Abas Mazni O. Cryotop Device Enhances Vitrification Outcome of Immature Bovine Oocytes. (2011) *Journal of Animal and Veterinary Advances*, 10 (19): 2541-2545

Hajarian H., Wahid H., Rosnina Y., Daliri M., **Dashtizad M.**, Holmes R., Abas Mazni O. Nuclear maturation of immature bovine Oocytes after Vitrification using Open Pulled Straw and Cryotop Methods. (2011) *African Journal of Biotechnology*, 10(12): 2334-2339

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Abas Mazni O. Ghrelin Improves the Development of Bovine Preimplantation Embryos *in vitro*. (2010) *Reproductive Biomedicine Online*, Vol 20, suppl 3, S60-61

Fazly A., Iswadi I., Hafiz M., Firdaus J., Teik Kee L., Akil S., **Dashtizad M.**, Wahid H., Abas Mazni O. Artificial Insemination Using Frozen-Thawed Malayan Gaur (*Bos Gaurus* Hubbacki) Semen In Estrus Synchronized Kedah-Kelantan And Brangus Crossbred Cows. (2010) *Reproductive Biotechnology*, 7 (1), 40 -44

Hajarian H., Wahid H., Abas Mazni O., Rosnina Y., Daliri M., **Dashtizad M.** Effect of Equilibration Temperature on *In vitro* Viability and Subsequent Embryo Development of Vitrified-Warmed Immature Bovine Oocytes. (2010) *American Journal of Animal and Veterinary Science*. 5 (2): 71-75

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Abas Mazni O. Synergistic Effect of Insulin on *In vitro* Development of Immature Bovine Oocytes. (2010) *American Journal of Animal and Veterinary Science*, 5 (4): 258-265

Hajarian H., Wahid H., Rosnina Y., Daliri M., **Dashtizad M.** Abas Mazni O. Effects of Exposure to DMSO in Vitrification Solution on Cytotoxicity and *In vitro* Viability of Immature Bovine Oocytes. (2010) *Reproductive Biomedicine Online*, Vol 20, suppl 3, S37-38

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Abas Mazni O. Insulin Enhances Nuclear Maturation of Immature Bovine Oocytes and Subsequent Embryo Development *In vitro*. (2010) *Reproductive Biotechnology*, 7 (1), 107-110

Hajarian H., Wahid H., Rosnina Y., Daliri M., **Dashtizad M.**, Abas Mazni O. Selection of Immature Bovine Oocytes using Brilliant Cresyl Blue Enhances Nuclear Maturity after Vitrification. (2010) *Journal of Animal and Veterinary Advances*. 9 (21), 2710-2713

Jajvandian R., Mahdavi N., **Dashtizad M.** Histopathological study of protective effect of turmeric against toxicity induced by acetaminophen in broilers (2006). *Journal of Medicinal Plants*, 5(18):36-40

Jajvandian R., Behnamrasouli M., **Dashtizad M.** Morphometric Study of the Influence of Hypo and Hyperthyroidism on Papilar Myocytes at Left Ventricle of Rats. (2006) *Medical Science Journal of Islamic Azad University of Tehran Medical Branch*, 16 (2): 85-89

**Dashtizad M.** PCO and Infertility. (2004) *Journal of Iranian Society of Fertility & Sterility*, 6(1): 28-31

**Dashtizad M.**, Saremi A., Azarnia M. *In vitro* maturation and fertilization of human oocyte without induction in PCO & PCOS patients. (2003) *Medical Journal of Reproduction and Infertility*, 4(3):192-202

## **MANUSCRIPTS IN PREPARATION OR SUBMISSION**

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Abas Mazni O. *In vitro* Development of Hybrid Embryos After *In vitro* Fertilization and Intracytoplasmic Sperm Injection of Bovine Oocytes with *Bos gaurus hubbacki* and *Bos Javanicus* Sperm

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Najari M., Hashemi E., Abas Mazni O. Effect of Strontium Chloride on Preimplantation Development of Bovine Embryos Following Intracytoplasmic Sperm Injection

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Abas Mazni O. Effects of Oocyte Activation Regimens on *In vitro* Developmental Competence of ICSI-Derived Bovine Embryos

## **CONFERENCES/SCIENTIFIC MEETINGS**

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Abas Mazni O. (2011), Evaluation of Different Oocyte Activation Treatments on *In Vitro* Development of ICSI-Derived Bovine Embryos, 23rd Veterinary Association Malaysia Congress (VAM), 23-25 September 2011, Ipoh, Perak, **Malaysia** (Poster Presentation)

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Najari M., Hashemi E., Abas Mazni O. Effect of Strontium Chloride on Preimplantation Development of Bovine Embryos Following Intracytoplasmic Sperm Injection. 15th annual European Society of Domestic Animal Reproduction Conference. 15-17<sup>th</sup> September 2011, Antalya, **Turkey** (Oral Presentation)

Hajarian H., Wahid H., Tengku T., Rosnina Y., Daliri M., **Dashtizad M.**, Mirzapour T., Yimer N., Bukar M., Ashrafzadeh A., Abas Mazni O. Ultrastructural Alterations in Vitrified Immature Bovine Oocytes. *Reproduction in Domestic Animals journal, In press.* 15th annual European Society of Domestic Animal Reproduction Conference. 15-17<sup>th</sup> September 2011, **Turkey** (Poster Presentation)

M. Najari, M. Daliri, **M. Dashtizad**, E. Hashemi, O. Abbas Mazni. Quality Analysis of Bovine *In Vitro* Fertilized Embryo Co-Cultured with Oviduct Epithelial Cells. 15th Annual European Society of Domestic Animal Reproduction Conference. 15-17<sup>th</sup> September 2011, Antalya, **Turkey** (Poster Presentation)

Hashemi E., M. Daliri, M. Eskandarinassab, **M. Dashtizad**, A. Zomorodipour. Analysis of IGF-I and IGF-II Gene Expression in Bovine Oviduct Cells Using Real-Time PCR. 15th Annual European Society of Domestic Animal Reproduction Conference. 15-17<sup>th</sup> September 2011, Antalya, **Turkey** (Oral Presentation)

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Abas Mazni O. *In Vitro* Development of Hybrid Embryos after *In Vitro* Fertilization and Intracytoplasmic Sperm Injection of Bovine Oocytes with *Bos gaurus hubbacki* Sperm. Annual Meeting of Society for the Study of Reproduction (SSR), 31 July – 4 August 2011, Portland, Oregon, **USA** (Poster Presentation)

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Akbarpour M., Abas Mazni O. Effects of Oocyte Activation Regimens on *In Vitro* Developmental Competence of ICSI-Derived Bovine Embryos, Annual Meeting of European Society of Reproduction and Embryology (ESHRE), 3–6 July 2011, Stockholm, **Sweden** (Poster Presentation)

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H. Abas Mazni O. *In Vitro* Development of IVF-Derived Hybrid Embryos Using Bovine Oocytes and *Bos Javanicus* sperm, 32<sup>nd</sup> annual meeting of Malaysian society of Animal Production (MSAP), 6-9 June 2011, Tawau, Sabah, **Malaysia** (Poster Presentation)

Hajarian H., Wahid H., Rosnina Y., Daliri M., **Dashtizad M.** Abas Mazni O. Effects of Exposure to DMSO in Vitrification Solution on Cytotoxicity and *In vitro* Viability of Immature Bovine Oocytes, 5th Congress of World Association of Reproductive Medicine (WARM), 10 - 13th September 2010, Moscow, **Russia** (Poster Presentation)

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H. Abas Mazni O. Ghrelin Improves the Development of Bovine Preimplantation Embryos *in vitro*, 5th Congress of World Association of Reproductive Medicine (WARM), 10 - 13th September 2010, Moscow, **Russia**. (Poster Presentation)

Hajarian H., Wahid H., Azmi T.I., Rosnina Y., Daliri M., **Dashtizad M.**, Abas Mazni O. Ultrastructural Changes Immature Bovine Oocytes after vitrification. 19th Scientific Conference of the Electronic Microscopy Society of Malaysia. 14 –16<sup>th</sup> December 2010, Langkawi, **Malaysia** (Oral Presentation)

Fazly A., Iswadi M., Hafiz M., Hafiz D., Firdaus F., Teik Kee L., Hajarian H., **Dashtizad M.**, Wahid H., Abas Mazni O. Artificial Insemination Using Frozen-Thawed Malayan Gaur (*Bos gaurus hubbachi*) Semen in Estrus Synchronized Kedah-Kelantan And Brangus Crossbred Cows. 7th Annual Conference of Asian Reproductive Biotechnology Society (ARBS), 8-10th November 2010, Kuala Lumpur, **Malaysia** (Poster Presentation)

Hajarian H., Wahid H., Rosnina Y., Daliri M., **Dashtizad M.** Abas Mazni O. Efficacy of Open Pulled Straw and Cryotop Methods for Vitrification of Immature Bovine Oocytes. 7th Annual Conference of Asian Reproductive Biotechnology Society (ARBS), 8-10th November 2010, Kuala Lumpur, **Malaysia** (Poster Presentation)

**Dashtizad M.**, Wahid H., Rosnina Y., Daliri M., Hajarian H., Abas Mazni O. Insulin Enhances Nuclear Maturation of Immature Bovine Oocytes and Subsequent Embryo Development *In vitro*. 7th Annual Conference of Asian Reproductive Biotechnology Society (ARBS), 8-10th November 2010, Kuala Lumpur, **Malaysia** (Poster Presentation)

Hajarian H., Wahid H., Abas Mazni O., Rosnina Y., Daliri M., **Dashtizad M.**, Faizah A., Yap K. C., Fahrul F. J., Fazly A., Iswadi M.I. Effect of Equilibration Temperature on Survivability and Subsequent Embryo Development of Vitrified Immature Bovine Oocytes. 22nd Veterinary Association Malaysia & 4th Wildlife Society of Zoo and Wildlife Medicine 30th July- 1st August 2010, Kuala Lumpur, **Malaysia** (Oral Presentation)

**Dashtizad M.**, Wahid H., Abas Mazni O., Rosnina Y., Daliri M., Hajarian H., K.C. Yap. Synergistic Effect of Insulin on *In vitro* Bovine Embryo Development. 22nd Veterinary Association Malaysia & 4th Wildlife Society of Zoo and Wildlife Medicine 30th July- 1st August 2010, Kuala Lumpur, **Malaysia** (Oral Presentation)

Hajarian H., Wahid H., Abas Mazni O., Rosnina Y., Daliri M., **Dashtizad M.** 1, 3 Butanediol in Vitrification Solution Enhances Nuclear Maturation of Vitrified Immature Bovine Oocytes. 31st Annual Meeting of Malaysian Society of Animal Production (MSAP), 6-8 July 2010, Kota Bharu, Kelantan, **Malaysia** (Oral Presentation)

**Dashtizad M.**, Wahid H., Abas Mazni O., Rosnina Y., Daliri M., Hajarian H. Effect of Ghrelin on *In vitro* Maturation and Subsequent Embryo Development of Immature Bovine Oocytes. 31st Annual Meeting of Malaysian Society of Animal Production (MSAP), 6-8 July 2010, Kota Bharu, Kelantan, **Malaysia** (Oral Presentation)

Hajarian H., Wahid H., Abas Mazni O., Rosnina Y., Daliri M., **Dashtizad M.**, Faizah A. and Yap K.C. Selection Of Oocytes Using Brilliant Cresyl Blue Enhances Blastocyst Rate After Vitrification. 2nd International Conference on Sustainable Animal Agriculture for Developing Countries (SAADC), 8– 11 November 2009, Kuala Lumpur, **Malaysia** (Poster Presentation).

Hajarian H., Wahid H., Abas Mazni O., Rosnina Y., **Dashtizad M.**, Karamishabankareh H., Faizah A. and Yap K.C. Selection of High Quality Oocytes by Brilliant Cresyl Blue and Their *in vitro* Development after Exposure to Cryoprotectant Solution. 30<sup>st</sup> Annual Meeting of Malaysian Society of Animal Production (MSAP), 13-15 June (2009), Kota Kinabalu, **Malaysia** (Poster Presentation)

Jajvandian R., Behnam Rasouli M., **Dashtizad M.** The Morphometric Study of Hypo and Hyper Thyroidism on Papilar Myocytes at left Ventricle of Rats, First International Iranian Congress on Biological Science, 14-15 December 2005, Karaj, **Iran** (Poster Presentation)

**Dashtizad M.**, Saremi A., Improving *In Vitro* Maturation and Fertilization of Human Oocyte from Unstimulated Polycystic Ovaries, First International Symposium on In Vitro Maturation of Oocytes, 26 June 2004, Berlin, **Germany**

**Dashtizad M.**, Saremi A., Azarnia M. *In Vitro* Maturation and Fertilization of Human Oocyte without Induction in PCO & PCOs Patients, 18th World Congress on Fertility and Sterility (IFFS), 23-28 May 2004, Montreal, **Canada** (Poster Presentation)

**Dashtizad M.**, Saremi A., Azarnia M. *In vitro* Maturation and Fertilization of Human Oocyte, First Iranian Conference for Cell and Developmental Biology, 13-14 September 2003, Tehran University, Tehran, **Iran** (Poster Presentation)

## **HONORS AND ACHIVEMENTS**

- **Gold Medal**  
Research Exhibition and Innovation Award, 19-21 July 2011  
University Putra Malaysia, Malaysia
- **Best Poster Presentation Award**  
5<sup>th</sup> Congress of World Association of Reproductive Medicine (WARM), 10 - 13th September 2010, Moscow, Russia
- **Best Oral Presentation Award**  
22<sup>nd</sup> Veterinary Association Malaysia & 4th Wildlife Society of Zoo and Wildlife Medicine, 30<sup>th</sup> July- 1<sup>st</sup> August 2010, Kuala Lumpur, Malaysia
- **Best Oral Presentation Award**  
31th Annual Conference of the Malaysian Society of Animal Production (MSAP), 6-8 June 2010, Malaysia

- **Graduate Research Fellowship (GRF)**  
University Putra Malaysia (2007-2010), Malaysia.
- **Scholarship Awarded by Iranian Society of Fertility and Sterility (ISFS)**  
To attend “First International Symposium on *In vitro* Maturation of Oocytes” 26 June, 2004, Berlin, Germany
- **Best Poster Presentation Award (Gold Medal)**  
First Iranian Conference for Cell and Developmental Biology, 13-14 September 2003, Tehran University, Iran
- **Scholarship, Ranked # 1**  
Tehran Azad University (2001-2003)
- **The First Rank in the Master Entrance Exam, Iran**  
Azad Universities of Iran, (2001)