

CV (Curriculum Vitae)

A. Personal Information

First Name: Mahsa
Last Name: Rahimzadeh
Marital Status: Married
E-mail: mahsa_rahimzadeh@yahoo.com

B. Education

Degree	Field	Average	Institution	City	Country	Date
Ph.D	Biochemistry	18.48	Tarbiat Modares University	Tehran	Iran	2011
M.Sc.	Biochemistry	18.56	Tarbiat Modares University	Tahran	Iran	2007
B.Sc	Genetic	17.57	Shahid Chamran University	Ahvaz	Iran	2004

C. Trainings Passed

- 1- Visiting Ph.D student, 2010, Salzburg University, 6 months; Salzburg, Austria.
- 2- Ph.D guest researcher, 2011, Metabolic engineering and system biology, Chalmers University, 6 month; Gothenburg, Sweden.
- 3- Gene transfer into stem cells workshop, 2008, 2 days,; Tarbiat Modares University, Tehran, Iran.
- 4- Advanced research method workshop, 2012, 2 days, Hormozgan University of Medical Sciences, Bandar abbas.
- 5- Science Evaluation workshop, 2012, 1 days, Hormozgan University of Medical Sciences, Bandar abbas.
- 6- Lesson plan workshop, 2012, 2012, 1 days, Hormozgan University of Medical Sciences, Bandar abbas.
- 7- Flow ship of “Research in Medical Sciences”, 2013, 15 days, Hormozgan University of Medical Sciences, Bandar abbas.
- 8- Flowcytometry workshop, 1 day, Hormozgan University of Medical Sciences, Bandar abbas.

D. Publications

D.I. Articles

- 1- Probing the role of asparagine mutation in thermostability of Bacillus KR-8104 α -amylase. **Mahsa Rahimzadeh**, Khosro Khajeh, Manoochehr Mirshahi, Mahmood Khayatianb, Robert Schwarzenbacher, International Journal of Biological Macromolecules. International Journal of Biological Macromolecules 50 (2012) 1175– 1182.
- 2- Thermostability enhancement of α - amylase from Bacillus KR8104 by combination of mutations. Khosro Khajeh, **Mahsa Rahimzadeh**, Manoochehr Mirshahi, Robert Schwarzenbacher. BMB Reports, 2012, Paper in Press available online.
- 3- Evaluation of α - amylase inhibition by *Urtica dioica* and *Juglans regia* extracts.

Rahimzadeh M, Jahanshahi S, Moein S, Moein MR. Iran J Basic Med Sci 2014; 17:465-469.

4- Persian Gulf is a Bioresource of Potent L-Asparaginase Producing Bacteria: Isolation & Molecular Differentiating. Izadpanah Qeshmi, F, Javadpour, Malekzadeh, K, Tamadoni Jahromi, and **Rahimzadeh, M**. Int. J. Environ. Res., 8(3):813-818, 2014.

5-A case control study: proteolytic antibodies in the sera of pregnant women. **Rahimzadeh Mahsa**, Mirshahi Manoochehr, Shamsipour Fereshteh, Mohammadi Malihe. Tehran University medical journal, Vol. 66, No. 4, July 2008:251-256.

6- The presence of anti-insulin catalytic antibodies in plasma of two type 2 diabetes patients. Mohammadi Malihe, Mirshahi Manoochehr, Hedayati Mehdi, **Rahimzadeh Mahsa**. Iranian journal of endocrinology and metabolism. Vol. 10, No. 4, November 2008:413.

7- Isolation and identification of L-asparaginase producing actinomycetes from Persian Gulf. F. Izadpanah qeshmi, S. Javadpour, K. Malekzadeh, S. Tamadoni Jahromi, **M. Rahimzadeh**. Hormozgan Medical Journal. Vol 18, No 2, 2014.

D.II. Books

Nanobiotechnology, *BioInspired Devices and Materials of the Future*. Translated into Persian by M.Rahimzadeh; Sh. Zareian; B. Ashtari, M. Akhshik (In Press).

E. Presentations

E.I. International Conferences

1- Proteolytic activity of IgG antibodies from blood of healthy pregnant women. 24-29 june 2006. **Rahimzadeh jahromi Mahsa**, Mirshahi Manoochehr, Shamsipour Fereshteh. FEBS congress, Turkey, Istanbul.

2- A novel monoclonal antibody with catalytic activity against b-hCG. 24-29 june 2006. Shamsipour Fereshteh, Mirshahi Manoochehr, Khajeh Khosro, **Rahimzadeh jahromi Mahsa**, Naderimanesh Hosein. FEBS congress, Turkey, Istanbul.

3- Clinical case report: Infertility caused by hCG autoabzymes, 8-11 november 2007. **Rahimzadeh jahromi Mahsa**, Mirshahi Manoochehr, Shamsipour Fereshteh, Gharaati Reza. The second asian pacific congress on Contraversies in obstetrics, Gynecology and infertility, China, shanghai.

4- System biology: a new approach in cancer study. 20 February 2012.

Rahimzadeh Mahsa. Molecular medicine research center, Hormozgan University of Medical Sciences, Bandar abbas, Iran.

5- Increasing thermostability of Bacillus α - amylase by Asparagine replacement.

Rahimzadeh Mahsa, Khajeh Khosro, Mirshahi Manouchehr. International Biology Conference, 2012, Kerman, Iran.

6- Effect of *Otostegia persica* extract on pancreatic α - amylase activity.

Rahimzadeh Mahsa, Jahanshahi Samaneh, Moein Soheila. International Biology Conference, August 2012, Kerman, Iran.

7- Investigation of Monoclonal antibodies against hCG and subunits on the proliferation of cancer cell lines in vitro.

Shamsipour F, Mirshahi M, **Rahimzadeh M**, Vafaei S, Farid S, Bayat A.A , Mahmoodi AR, Jeddi- Tehrani M. Iranian. J .Immunol. Volume 11, Supplement 1, April-May 2014.

8- Autoantibodies with hydrolytic activity against hCG in infertile women and spontaneous

Abortion. Shamsipour F, Mirshahi M, **Rahimzadeh M**, Vafaei S, Farid S, Bayat A.A , Mahmoodi AR, Jeddi- Tehrani M. Iranian. J .Immunol. Volume 11, Supplement 1, April-May 2014.

9- Purification and Determination of Optimum pH and Temperature of Intracellular L-Asparaginase from *Bacillus* sp. PG-02.

Fatemeh Izadpanah, **Mahsa Rahimzadeh**, Sedigheh javadpour, Manijeh poodat. 15th international Iranian congress of Microbiology. Tehran, 26-28 Aug. 2014.

10- Isolation and Molecular Identification of L-asparaginase Producing Bacteria from Persian Gul .Fatemeh

Izadpanah Qeshmi, Sedigheh Javadpour, Kianoosh Malekzadeh, **Mahsa Rahimzadeh**, Saeid Tamadoni Jahromi. 15th international Iranian congress of Microbiology. Tehran, 26-28 Aug. 2014.

11- Purification and Characterization of L- Asparaginase from *Bacillus* sp. PG- 03.

mahsa rahimzadeh, manijeh poodat, sadigheh javadpoor, fatemeh izadpanah qeshmi.

15th international Iranian congress of Microbiology. Tehran, 26-28 Aug. 2014.

E.II. Domestic Conferences

1- Increasing thermostability of *Bacillus* α - amylase by Asparagine replacement. 14-16 August

2012. **Mahsa Rahimzadeh**, Khosro Khajeh, Manouchehr Mirshahi. 17th national and 5th international Biology Conference. Kerman. Iran.

2- Effect of *Otostegia persica* extract on pancreatic α - amylase activity. 14-16 August 2012.

Samaneh Jahanshahi, Soheila Moein, **Mahsa Rahimzadeh**. 17th national and 5th international Biology Conference. Kerman. Iran.

3- hCG hydrolyzing antibodies in healthy pregnant women. 7-10 november 2007. **Rahimzadeh**

jahromi Mahsa, Mirshahi Manoochehr, Shamsipour Fereshteh, Mohammadi Malihe. 2th international congress in biochemistry. Iran, Shiraz.

4- Study of proteolytic antibodies in pregnant women. 29-31 August 2006. **Rahimzadeh jahromi Mahsa**, Mirshahi

Manoochehr, Shamsipour Fereshteh. 2th international and 14th national conference of biology, Tehran, Iran.

5- Study of proteolytic antibodies in pregnant women. 29-31 August 2006. **Rahimzadeh jahromi Mahsa**, Mirshahi

Manoochehr, Shamsipour Fereshteh. 2th international and 14th national conference of biology, Tehran, Iran.

6- Catalytic autoantibodies and diabetes. 7-10 november 2007. Mohammadi Malihe , Mirshahi Manoochehr, Hedayati Mehdi, **Rahimzadeh Jahromi Mahsa**. 2th international congress in biochemistry. Iran, Shiraz.

7- Enzymatic activity of 7D9 monoclonal antibody. 29-31 August 2006. Shamsipour Fereshteh, Mirshahi Manoochehr , **Mahsa Rahimzadeh jahromi**. 2th international and 14th national conference of biology, Tehran, Iran.

8- Shamsipour F, Mirshahi M, Khajeh K and **Rahimzadeh M**. Catalytic activity of 7D9 monoclonal antibody against beta human chorionic gonadotropin. 5 th National Biotechnology Congress. Iran, Nov 2007.

F. Research Projects

1- Self assembled systems for designing of Protein and DNA microarrays. 2004-2006. Under the supervision of Prof. H. Naderimanesh. Tarbiat Modares U niversity, Tehran Iran.

2- The presence of hCG hydrolyzing antibodies in sera of infertile women. 2009 to 2012. Tarbiat modares University and Ebne Sina Institute in shahid Beheshti University.

3- Kinetic study of alpha amylase in the presence and absence of plant extracts. 2012. Mahsa Rahimzadeh, Soheila Moein, Mahmood Reza Moein, Samaneh Jahanshahi. Molecular Medicine Research Center, Hirmozgan University of Medical Sciences.

4- Asparaginase characterization. 2013. Mahsa Rahimzadeh, Fatemeh Izadpanah, Sedigheh Javadpour. Molecular Medicine Research Center, Hirmozgan University of Medical Sciences.

G. Honors and Awards

1- Ranked One graduated student in Ph.D, Tarbiat Modarres University, Tehran, 2007.

1- Ranked One graduated student in M.Sc., Tarbiat Modarres University, Tehran, 2007.

2- Ranked One in Ph.D entrance exam, Tarbiat Modares University, Tehran, 2007.

3- “*Ph.D Scholarship*”; Ministry of Health and Medical Education, 2009.

4- License in *Qualifying Teachnig*, Tarbiat Modarres University, Tehran, 2008.