



*In The Name Of God*



## Ja'far Hemmat's CV

### PERSONAL INFORMATION

First name: Ja'far      Last name: Hemmat      D.O.B: 14 May 1971      Sex: Male  
Status: Married      Nationality: Iranian      Academic title: Researcher  
Language: Persian, English

### EDUCATION AND QUALIFICATIONS

B .Sc, BIOLOGY- Microbiology, 1994, Microbiology Department, Faculty of Sciences, Tehran University, Iran. (14.70 out of 20 Deg).

M Sc, BIOLOGY- Microbiology, 1998, Microbiology Department, Faculty of Science, Isfahan University. Iran. (16.57 out of 20 Deg).

PhD Student of Molecular Genetics, 2005, Industrial & Environmental Biotechnology Department, National Institute of Gene Engineering and Biotechnology (NIGEB/NRCGEB) & Medical University of Tehran, Iran.( With Scholarship of Science and Technology Ministry).

### PROJECTS

Isolation of Aerobic-Mesophilic Bacteria from Silkworm's Digestive Tract and Evaluation of Their Application in Industry. (M.Sc thesis). *Emtiazi G. & Nahvi I. 1998.*

*Hemmat. J., Karimi. S. And Esmaili. A.* Evaluation of Production of a Multifunctional Biofertilizer. 2001-2003. Biotechnology Department of Iranian Research Organization for Science and Technology (IROST)-Yazd Center. Research Director.

*Hemmat. J., Karimi. S.* Production of a Multienzyme as Feed Additive. 2002-2004. Biotechnology Department of Iranian Research Organization for Science and Technology (IROST)-Yazd Center Research Director.

*Hemmat. J., Karimi. S.* Evaluation of a Multifunctional Biofertilizer. 2003-2004. Biotechnology Department of Iranian Research Organization for Science and Technology (IROST)-Yazd Center. Research Director( Personal Budget ).

*Haddad Mashadirizeh A. Hemat J and. Zomorodipour. A.* Study of Distribution And Characterization of Non-LTR Retrotransposons in The Human Coagulation VIII Factor Gene .NIGEB. 2007.

*Expression of HCV Core Antigen and Evaluation of It's Ligand Designing. PhD Thesis. 2007.*

### PUBLICATIONS

-*Hemmat. J., Emtiazi. G. And Nahvi. I.* Isolation of *Cellulomonas* sp. From Silkworm's Gut and Evaluation of its Exoglucanase Activity. 7th Congress of Biology of Iran.

-*Hemmat. J., Emtiazi. G. And Nahvi. I.* Isolation of *Cellulomonas* sp. From Silkworm's Gut and Evaluation of its Exoglucanase Activity. Research Bulletin of Isfahan University. 1999. Vol 11. No 1. 66-72. pp.

-*Hemmat. J., Emtiazi. G. And Nahvi. I.* Effect of Environmental Conditions of Culture Medium on Endoglucanase Production by Strain SW97 of *Cellulomonas* sp. Proceeding of The First National Congress of Biotechnology of Iran. Feb 22-24-2000- 701-5. pp.

-*Hemmat. J., And Emtiazi. G.* Isolation of *Cellulomonas* sp. From Silkworm's Gut and Evaluation of its Endoglucanase Activity. *Iranian J. Agric. Sci.* 2001. Vol. 31 No.2. 55-60. pp.

-Lame'a B., et al. & Hemmat. J. Microbiology of Food and Animal Feeding Stuffs-Horizontal Method for Detection and Enumeration of *Listeria Monosytogenes* Part I:Detection Method. National Standard 8035-1. Institute of Standards and Industrial Research of Iran (ISIRI). Aug 2005.

-Lame'a B., et al. & Hemmat. J. Microbiology of Food and Animal Feeding Stuffs-Horizontal Method for Detection and Enumeration of *Listeria Monosytogenes* Part II:Enumeration Method. National Standard 8035-2. Institute of Standards and Industrial Research of Iran (ISIRI). Aug 2005.

-Hemmat. J., Karimi. S. Comparison of Beta 1,4-Endoglucanase two *Cellulomonas* sp. 2th International & 14<sup>th</sup> Iranian Congress of Biology.2006.

-Hemat J.,Haddad Mashadrizeh & A. Zomorodipour. A. Study of Distribution and Characterization of Non-LTR Retrotransposons in The Human Coagulation VIII Factor Gene. Archives of Iranian Medicine, Vol 10, Number 4(Suppl 1),S144, October 2007 .

-Hemmat J. Haddad Mashadrizeh A. Zomorodipour. A. Relationship among CpG Islands, Repeat Elements and Possible Promoter-like Sequences in the Human Coagulation VIII Factor Gene. Archives of Iranian Medicine, Vol 10, Number 4(Suppl 1),S145, October 2007 .

-Hemmat. J., Karimi. S. Hadad Mashadrizeh A. Presenting Available Resources for *Cellulomonas* sp. As the Standard Bacterium for Cellulase Activity. 5th National Congress of Biotechnology of Iran. Tehran, 2007.

-Hemmat. J., Hadad Mashadrizeh. A.Zomoroudipour. A. Comparison Study of the Distribution of Repeated Elements in the Human Coagulation VIII Factor Gene and The Closed Genes. 5<sup>th</sup> National Congress of Biotechnology of Iran. Tehran, 2007.

-Hadad Mashadrizeh., Hemmat. J. and A.Zomorodipour. A. Intronic Promoters of the Human Coagulation VIII (hFVIII) Factor Gene May Make Tools for its expression improving. 1<sup>st</sup> International Congress on Health Genomics & Biotechnology. Tehran, 2007.

-Hadad Mashadrizeh., A.Zomorodipour .Sabouni. F. Hemmat. J. Analysis of the Non-Coding Region of the Human Factor VIII Gene in Comparison with Selected Regions of the Intron 1 of Human Factor IX !  
*Biology Bultin of Iranian Society of Biology .xx.2008(In press).*

## TEACHING

1. Environmental Microbiology. Biology BSc. Payam-e-Nour University. Jan 2000-2004.
2. General Microbiology. Biology BSc. Payam-e-Nour University. Jan 2000-2004.
3. Laboratory of General Microbiology. Biology BSc. Payam-e-Nour University. Jan 2001-2004.
4. Virology. Biology BSc. Payam-e-Nour University. Jan. 2000-2004.
5. Biochemistry .Gynecology. Azad University -Maybod Unit. Jan 2002.

## WORKSHOPS & TRAININGS

1. Working with laboratorial Animals and Virology. Institute Pasture of Iran. Jul-Aug 1993(Two weeks).
2. Protein Sequencing. Research Institute of Biochemistry and Biophysics (I.B.B.) of Tehran University. Nov 1993.
3. Transmission and Scanning Electro Microscopes (TEM & SEM).TEM & SEM Department of Medical University of Isfahan. Jun \_Jul. 1998(Six weeks).
4. Application of Biotechnology in Waste Management. (International Workshop) IROST & APCTT. Isfahan. Iran. Nov 4-6. 2000.
5. Protein Purification In Downstream Process. Medical Biotechnology Network. Institute Pasture of Iran. Dec 2002.
6. Impedance Microbiology. Sylab Company. Tehran, Dec 2003.
7. Cloning and Expression of HGH in E.Coli. NRCGEB. 2005 .
8. Genome Workbench and SeqVista. NRCGEB/NCBI. 24 May2006 .
- 9.Management Citation. NRCGEB. 11-12 Sep 2006 .
- 10.Detection of Avian Influenza Virus by RT-PCR. NIGEB/ Institute for Research and Planning in Higher Education( IRPHE). 11-13. Nov 2006.
- 11 Introduction to Advanced Molecular,Cytogenetic & Molecular Cytogenetic Techniques. NIGEB/ Institute for Research and Planning in Higher Education( IRPHE). 19-22 Nov 2006.
- 12.Application of Bioinformatics in Molecular Biology. NIGEB/ Institute for Research and Planning in Higher Education( IRPHE).16-19 Dec 2006.

13. Expression, Production of Assay of Enzyme for Biotechnological Purposes. NIGEB/ Institute for Research and Planning in Higher Education( IRPHE). 23-26 Dec 2006.
14. Commercialization of Research Results in Biotechnology. NIGEB. 25 Dec 2006.
16. Rules, Rights of Inventors and Biotechnology Improvement. NIGEB. 9 May 2007.
17. Quality Control in Biotechnology Products. NIGEB. 18 Jul 2007.

## EMPLOYMENT & EXPERIENCE

1. Manager of Optimizing Committee of Iranian Research Organization for Science and Technology (IROST)–Yazd center. 16 Oct 1999.
2. Responsible to Establish the Biotechnology Department of Iranian Research Organization for Science and Technology (IROST) –Yazd center. 1999-2003
3. Researcher and member of scientific board in biotechnology department of Iranian Research Organization for Science and Technology (IROST) –Yazd center. 11 Jun 1999.
4. Selected as Top Employee in Iranian Research Organization for Science and Technology (IROST) – Yazd center (1999& 2000).
5. Member of Scientific Committee of Iranian Research Organization for Science and Technology (IROST) –Yazd center. 22 Nov 2000.
6. Logistic Vice President of Iranian Research Organization for Science and Technology (IROST). ) – Yazd center. 22 Nov 2001.
7. Member of Professional Committee of Biotechnology of Iranian Research Organization for Science and Technology (IROST). 7 Jun 2002.
- 8 Responsible to Establish the Technological Incubators of Yazd Science and Technology Park (YSTP- Member of IASP). 10 Apr 2003.
9. Technical Manager of Yazd Science and Technology Park (YSTP- Member of IASP). 2 Jun. 2004-2005.
10. Member of Primary/Technical and Final Committees of compiling of National Standards 8035-1 & 8035-2. Institute of Standards and Industrial Research of Iran (ISIRI). 2004-2005.
11. Transferring to Biotechnology Department of Iranian Research Organization for Science and Technology (IROST) . March 2005.
12. Member of Commercialization Committee of Iranian Society of Biotechnology (ISB). Sept. 2006.

## ORAL PRESENTATIONS

1. Ethanol Production as Biofuel.
2. Mechanism of Tumorigenicity of *Agrobacterium Tumefaciens* and Its Application in Biotechnology.
3. Molecular Mechanism of Tumorigenicity of Retroviruses.
4. Mechanisms of Heavy Metal Tolerance of Microorganisms.
5. Cellulase Complex Applications AS Feed Additive.
6. Bioleaching: An Economic Approach for Mining.
7. Bioremediation: A Clean ,Cost-Effective Mean.
8. Probiotic Microorganisms.
9. *Cellulase Systems and its Application in Feed Additive of Poultry.*
10. *Genetic of Aromatic Biodegradation By Bacteria.*
11. CELLULASE and Its Strains IMPROVEMENT.
12. Protein Engineering of a Glycosidase Cel7a to more alkaline pH optimum.
13. Cross-linked protein crystals (CLPCs): New Applications & Prospects.
14. Nucleic Acid-Based Methods for Microorganisms Detection: Multiplex PCR and Biochips

## WORKSHOPS & SEMINARS DIRECTION

1. Quality Control in Microbiology Laboratory. Yazd\_ IROST& Iranian Blood Transferring Organization. 22 May-22 Jun 2001.

2. Basic Techniques of Microbial Biotechnology. Biotechnology Department of IROST. 24 Apr 2001.
3. 3th Congress of Managers & Presidents of Technology Parks & Technology Incubators. 2004.
3. Applications of Environmental Friendly Technologies (Coordinator). YSTP and the International Representative and Coordinator of Ecocentrum (Sweden).11 Mar 2005.
4. Director of 2th Workshop of Commercialization of Research Projects-Results: Making Fortune. Iranian research Organization for Science and Technology.IROST & Iranian Society of Biotechnology(ISB). May 2007.
5. Scientific Coworker of Workshop on Quality Control of Biotechnology Products. National Institute of Genetic Engineering and Biotechnology. June. 2007.
- 6.Codirector of Biotechnology Bazaar. *5th National Congress of Biotechnology of Iran.Tehran, 2007.*

### **Establishments**

1. *Student's Research group of Immunology. Biology Department .Tehran University.1993*
2. *Research Building Of IROST. Yazd Branch.2001*
3. *Biotechnology Department Of IROST- Yazd Branch.2001*
4. *Biotechnology Incubator-Yazd Science and Technology Park (Coworker). 2003*
5. *Technology Incubator of Abarkooh.2004*

### **ADDRESS**

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