

Resume

Dr. Nader Maghsoudi
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CV

- **Family name:** Maghsoudi
- **Name:** Nader
- **Date of birth:** 1958
- **Marital Statute:** Married
- **Qualification:** M.sc. Biophysics **bombay Univ. 1982**
PhD. Appl.Biol. **Bombay Univ. 1986**
(Cell Biol)
- **Ph.D. Thesis :** Endothelial Cells In Leprosy
- **Faculty Member of Shahi Beheshti University of Medical Sciences, Tehran, Iran**

Experiences and Awards

- 1- Teaching for 18 years in B.sc. and M.Sc. and PhD Level in fields of cell biology, cell physiology, biophysics, Mol. Biology,.....
- 2- Attending international workshop on Macrophage cells culture,.....
- 3- Received Gold Medal From Second international congress on integrated Medicine Banaras, India Nov. 1996.
- 4- President of biosafety association . Member of editorial board of military medicine . and pajouheshyar.

Fields of Interest

- 1- Heterologous gene expression
- 2- Recombinant protein production – recombinant vaccines
- 3- Prokaryotic and eukaryotic heterolog gene expression
- 4- Molecular Detection of microorganisms
- 5- Cellular mechanism of disease (mostly ultrastructural changes).
- 6- In Vitro toxicity testings, Mostly using cell cultures, Nerve cells, endothelial cells , etc
.....
- 7- Cell physiology (cell permeability) . I have worked with endothelial cells, fibroblasts, macrophages, nerve cells, Hela, Vero, ... cells.

MAIN Projects Completed:

- 1- Cloning, Expression, Purification and bioassay of rh. INF- gamma
- 2- Cloning , Expression and purification of 2A – Protease in E.coli.

Positions:

- 1- Head of Faculty of Science
I.H. Univ, Tehran, I.R.Iran 1987-1988
- 2- Vice president for education
I.H. Univ, Tehran I.R. Iran 1988-1993
- 3- Head of Science and Education Section
Embassy of I.R. Iran , New Delhi. India 1993-1996
- 4- Higher Education Advisor
Embassy of I.R.Iran
Ottawa, ONT. Canada 1997-1997
- 5- Director
Biotechnology Research center 1998 – 2004
M.A.T.University. Tehran
Iran

Thesis Guided

- 1- Mechanism of penetration of sulfur mustard into V79 cells. M.Sc. thesis submitted to T.M. Univ. Student name: Moazedi, A.A.
- 2- Effect of sulfur mustard on cells organelles. An Electron microscopy study. M.Sc. Thesis submitted to T.M. Univ, 1990. Student name : Namnama, M.R.
- 3- Effect of mustard on guinea pigs skin. M.Sc. Thesis submitted to T.M. Univ, 1990. Student Name: Amirzargar , A.
- 4- Effect of sulfur mustard on human erythrocyte cell electrophoresis. M.Sc. Thesis submitted to T.M. Univ. Student name: Tavakoli,
- 5- Studying the mechanism of mustard penetration into human blood cells.
M.Sc. Thesis submitted to shahid Chamran Univ., Ahwas, 1995. Student Name: Abdi, A.
- 6- Estimation of sulfur mustard and its metabolites in urine of rat after dermal application of mustard. Thesis submitted to Islamic Azad Univ. For the degree of M.Sc in pharmacy, 1995. Student name: Kardusi, B.
- 7- Cloning of VP1 antigen of coxackie virus.

Thesis submitted for MSC degree. I.H.Univ. Tehran, 2002 Student name, Mohammadi

8- Characterization of a separated streptomyces wild strain

MSC Thesis subrmitted to tehran University

Student name : Ms Mahmoudian.

Advisor : **Dr Maghsoudi**

Current Thesis Guiding & advising

1- Cloning of PABP1 gene – MSC thesis, M.A.T. university Student name.

MS. Golmanesh, Guide **Dr Maghsoudi**

2- Molecular Detection of mycobacterium leprae

Two MSC Project for MAT university

Students name: 1- Ms mortezaie and 2- Mr Sadegi

Guide **Dr Maghsoudi**

3- Subcloning and Expression of VP1 antigen.

MSC project for I.H. University

Student name : Mr Khalipour.

Guide: **Dr Maghsoudi**

4- Scale up pof Gamma – Interferon fermentation

phD project for Tarbiat modarres univ.

Student name: Mr Khalizadeh

Advisor: **Dr Maghsoudi**

5- Purification and scale up of recombinant gamma interferon

phD project for Tarbiat modarres univ.

Student name: Mr mohammadian

Advisor: **Dr Maghsoudi**

6- Cloning, Expression and bioassay of hr INF- gamma

phD Project for pasteur Institute

Student name: Mr moeenkhanlou

Advisor: **Dr Maghsoudi**

7- Detection and characterization of m.leprae linear- antigen

MSC. Project for MAT Univ.

Student name: Mr khatami

Guide: **Dr Maghsoudi**

8- Effect of Insulin and corticosteroids.....,

Ph.D thesis, Shahid beheshti university of medical sciences,

Published papers and abstracts:

- 1- In Vitro interaction of M.Leprae and Endothelial cells. **Maghsoudi, N.** and L. Mehta International J.Leprosy, Vol 54, No: 1, March 1986 pp.135-137
- 2- In vitor assessment of endothelial cell response to Mycobact leprae. Mental Dorvadi.MH, Damavandi.M , **Maghsoudi.N** . International Journal Lepr other Mycobact Dis . 1986 March ; 54(1) ; 135-137.
- 3- Alkaline phosphatase activity in peripheral nerves and endothelial cell cultures in leprosy Mental Dorvadi.MH , Damavandi.M , **Maghsoudi.N** . India Journal Lepr 1987 Apr-Jun ; 59(2) ; 230.
- 4- Nerve vessels damage in leprosy. Moamin, H., **Maghsoudi, N.** and L. Mehta Ind. J.Leprosy, 1987.
- 5-Over expression of recombinant human interferon gamma in high cell density fermentation of E.Coli. R Khalilzade, S.Shojasadati, A.Bahrami and N.Maghsoudi. Biotechnology Letters, (2003) 25:1989-1992.
- 6-Process development for production of recombinant human interferon Gamma expressed in E.Coli. Khalilzadeh, R., Shojasadati, SA., **Maghsoudi N.** et al., J.Ind Microbiol Biotechnol (2004) 31:63-69.
- 7-The effect of oxidative stress on production of recombinant human interferon Gamma in E.Coli. Mohammadian,M: Naderimanesh H, **Maghsoudi,N:** Khalilzadeh R, Shojasadati,S and Ebrahimi M. ,Biotechnol Appl Biochem.(2005) 41, 37-42
- 8- In Vitro interaction of Antileprosy Drugs and M.Leprae. **Maghsoudi, N.** and L. Mehta Abs: European J. of pharmacology, Vol 183/6 July 1990, P. 2103.
- 9- Effect of sulfur mustard on fibroblast cells. – An ultrastructural study. **Maghsoudi, N.** Acta physiologica Scandinavia Vol. 146, Supplementum 608, 1992, P.214
- 10- Design of an ELISA system to detect rh INF- gamma in biologic sample **Maghsoudi, N;** Akbari, B; Mohammadi,M; Sadeghi, V; Deldar, A; Zeinoddini, M. Submitted for publication
The Hematology Journal, Vol. 3. Supplement 1, June 2002 (Abst. P.384)
- 11- Cloning and Expression of Human Immune interferon cDNA in E.coli Arbabi, M; Alasti, F; Deldar.D; Hosseini; S., **Maghsoudi, N;** Sanati, M.H. Submitted for publication.
- 12-A novel high yield method for pilot scale purification of recombinant human interferon gamma from E.Coli. Mohammadian, j., Naderimanesh, H., Nasiri,M.A. **Maghsoudi, N.** et al., Submitted for publication
- 13-Bilological activity of recombinant 2A Protease from CVB3 Maghsoudi N, Zeinoddin M, Nasiri M.A., Deldar A. The FEB Journal Vol 272, supplement 1. July 2005. PP: 514

- 14- Molecular phylogentic analysis of Iranian HDV complete genome. Behzadian F, Sabahi,F Karimi,M. Sadeghizadeh,M **Maghsoudi,N** et al. Virus Gene(2005) vol 30,No:3, 383-393
- 15- The effect of intrahippocampal insulin microinjection on spatial learning and memory. Moosavi M, Naghdi N, **Maghsoudi N**, Zahedi Asl S. Hormones and Behavior (2006)
- 16- Esmaeili-Mahani S,Fereidoni M,Javan M,**Maghsoudi N**, Motamedi F, Ahmadiani A.Nifedipine suppresses morphine-induced thermal hyperalgesia:Evidence for the role of corticosterone. European Journal of Pharmacology567 (2007) 95-101
- 17-" Over-production of human interferon- by HCDC of recombinant Escherichia coli "V.Babaeipour,S.A.Shojaosadati,S.M.Robatjazi,R.Khalilzadeh,**N.Maghsoudi**..Process Biochemistry 42(2007) 112-117.
- 18- " Insulin protects against stress-induced impairments in water maze performance." M. Moosavi,N Naghdi,**N.Maghsoudi**,S.Zahedi Asl. Behavioural Brain Research 176 (2007) 230-236
- 19- "A proposed feeding strategy for overproduction of recombinant proteins by E. coli." Babaeipour V,shojaosadati SA,Khalilzadeh R,**Maghsoudi N**,Tabandeh F.**Biotechnol Appl Biochem.** 2008 Feb;49(Pt 2):141-7.
- 20- "Improving purification of recombinant human interferon γ expressed in Escherichia coli; effect of removal of impurity on the process yield". Jafar Mohammadian-Mosaabadi, Hossein Naderi-Manesh, **Nader Maghsoudi**, Mohammad-Ali Nassiri-Khalili, Mohammad Reza Masoumian, Narges Malek-Sabet . Protein Expression and Purification, Volume 51, Issue 2, February 2007, Pages 147-156 .
- 21- . "In vitro Replication of Hepatitis D Virus Using a New Construct Containing a cDNA Dimer of HDV Genome. ",Farida Behzadian, Farzaneh Sabahi, Majid Sadeghizadeh, **Nader Maghsoudi**, Fatemeh Fotouhi Chahooki, Mohsen Karimi , Intervirology. 2007;50(6):387-93. Epub 2007 Oct 31.
- 22-Cloning and expression of coxsakievirus B3 viral protein-1 in E. coli. **Maghsoudi N**, Khalilpour A, Kamali M, Zeinoddini M. Iran Biomed J. 2007 Jul;11(3):147-52.
- 23- "Low-Dose Morphine Induces Hyperalgesia Through Activation of $G_{\alpha s}$, Protein Kinase C, and L-Type Ca^{2+} Channels in Rats." Saeed Esmaeili-Mahani, Noriaki Shimokawa, Mohammad Javan, **Nader Maghsoudi**, Fereshteh Motamedi, Noriyuki Koibuchi, and Abolhasan Ahmadiani.,Journal of Neuroscience Research 86:471-479 (2008).
- 24- "Purification and partial characterization of coxsakievirus B3 2A protease expressed in Escherichia coli" ,**Nader Maghsoudi**, Fariba Khodaghali, Mahnaz Sadjadi, Mehdi Zeinodini, Marjan Sabbaghian, International Journal of Biological Macromolecules, In Press, Corrected Proof, Available online 11 June 2008.
- 25-"The role of P13/Akt Pathway in the Protective Effect of Insulin against Corticosterone Cell Death in Hippocampal Cell Culture", Maryam Moosavi, **Nader Maghsoudi**, Saleh ZahediAsl,NasserNaghdi,MitraYousefpour,IanAndrewTrounce. Journal of Neuroendocrinology. August 1,2008.
- 26-Zaringhalam J, Manaheji H, **Mghsoodi N**, Farokhi B, Mirzaiee V.

SPINAL micro-OPIOID RECEPTOR EXPRESSION AND HYPERALGESIA WITH DEXAMETHASONE IN CHRONIC ADJUVANT-INDUCED ARTHRITIS IN RATS. Clin Exp Pharmacol Physiol. 2008 Jul 29.

28-The structural characterization of recombinant human interferon gamma. MalekSabet, N., Masoumian, M.R., Nasiri-Khalili, M.A., **Maghsoudi, N.**, Sami, H., Saeedinia, A., Mohammadi, R. Journal of Biological Sciences Volume 8, Issue 6, 2008, Pages 1087-1091.

29-Chitosan prevents oxidative stress-induced amyloid beta formation and cytotoxicity in NT2 neurons: involvement of transcription factors Nrf2 and NF-kappaB. Khodaghohi F, Eftekhazadeh B, **Maghsoudi N**, Rezaei PF. Mol Cell Biochem. 2009 Oct 21.

30-Enhancement of Human gamma-Interferon Production in Recombinant E. coli Using Batch Cultivation. Babaeipour V, Shojaosadati SA, Khalilzadeh R, **Maghsoudi N**, Farnoud AM. Appl Biochem Biotechnol. 2009 Aug 5.

31-Stabilization of transcription factor Nrf2 by tBHQ prevents oxidative stress-induced amyloid beta formation in NT2N neurons. Eftekhazadeh B, **Maghsoudi N**, Khodaghohi F. Biochimie. 2010 Mar;92(3):245-53.

32-Targeting enteroviral 2A protease by a 16-mer synthetic peptide: inhibition of 2Apro-induced apoptosis in a stable Tet-on HeLa cell line. **Maghsoudi N**, Tafreshi NK, Khodaghohi F, Zakeri Z, Esfandiarei M, Hadi-Alijanvand H, Sabbaghian M, Maghsoudi AH, Sajadi M, Zohri M, Moosavi M, Zeinoddini M. Virology. 2010 Mar 30;399(1):39-45.

33-Inhibition of oxidative stress-induced amyloid beta formation in NT2 neurons by culture filtrate of a strain of Streptomyces antibioticus. Eftekhazadeh B, Hamed J, Mohammadipanah F, Khodaghohi F, **Maghsoudi N**, Klenk HP. Appl Microbiol Biotechnol. 2010 May;86(6):1805-11.

34-Agmatine prevents LPS-induced spatial memory impairment and hippocampal apoptosis. Zarifkar A, Choopani S, Ghasemi R, Naghdi N, Maghsoudi AH, **Maghsoudi N**, Rastegar K, Moosavi M. Eur J Pharmacol. 2010 May 25;634(1-3):84-8.

35- serum IL-6 level time-dependently regulates hyperalgesia and spinal mc opioid receptor expression during CFA-Induced arthritis. E.tekieh, J.zaringhalam, H.Manaheji, **N. Maghsoudi**, \b. Alani, H. zardooz, Increased EXCLI Journal 2011;10:23-33.

36- Inhibition of ackA and pta genes using two specific anti-sense RNAs reduced acetate accumulation in batch fermentation of E.coil BL21 (DE3), Nahid Bakhtiari, Manouchehr Mirshahi, Valiollah Babaeipour, **Nader Maghsoudi**, , Iranian Journal of Biotechnology, Vol 9, No.4, October 2010.

37-Synergy Between Glutathione Peroxidase-1 and Astrocytic Growth Factors Suppresses Free Radical Generation and Protects Dopaminergic Neurons against 6-Hydroxydopamine. Gardaneh M, Gholami M, **Maghsoudi N**.

Rejuvenation Res. 2011 Apr;14(2):195-204.

38-Comparison of changes in mRNA expression of spinal glutamate transporters following induction of two neuropathic pain models. Mirzaei, V., Manaheji, H., **Maghsoudi, N.**, Zaringhalam, J. Spinal Cord.2010 Nov; 48 (11), pp. 791-797.

39-Agmatine prevents LPS-induced spatial memory impairment and hippocampal apoptosis. European Journal of Pharmacology, Article in Press. Zarifkar, A., Choopani, S., Ghasemi, R., Naghdi, N., Maghsoudi, A.H., **Maghsoudi, N.**, Rastegar, K., Moosavi, M. European Journal of Pharmacology 634 (1-3), pp. 84-88.

40-Alginate protects NT2 neurons against H₂O₂-induced neurotoxicity. Eftekharzadeh, B., Khodaghali, F., Abdi, A., **Maghsoudi, N.** Carbohydrate Polymers Volume 79, Issue 4, 17 March 2010, Pages 1063-1072.

41-The effects of fresh garlic on the serum concentration of total cholesterol, total triglyceride and adipose tissues of broilers. Dehkordi, S.H., Moghadam, A.Z., **Maghsoudi, N.**, Aali, E., Gerami, R., Dehsadeghi, E. Comparative Clinical Pathology Volume 19, Issue 4, 2010, Pages 363-365.

42-Homology modeling, docking, molecular dynamics simulation, and structural analyses of coxsakievirus B3 2A protease: an enzyme involved in the pathogenesis of inflammatory myocarditis. **Maghsoudi AH**, Khodaghali F, Hadi-Alijanvand H, Esfandiarei M, Sabbaghian M, Zakeri Z, Shaerzadeh F, Abtahi S, Maghsoudi N. Int J Biol Macromol. 2011 Nov 1;49(4):487-92.

43-The relation between pregnancy and stress in rats: considering corticosterone level, hippocampal caspase-3 and MAPK activation. Moosavi M, Ghasemi R, **Maghsoudi N**, Rastegar K, Zarifkar A. Eur J Obstet Gynecol Reprod Biol. 2011 Oct;158(2):199-203.

44-Optimized Quantities of GDNF Overexpressed by Engineered Astrocytes Are Critical for Protection of Neuroblastoma Cells Against 6-OHDA Toxicity. Safi R, Gardaneh M, Panahi Y, **Maghsoudi N**, Zaefizadeh M, Gharib E. J Mol Neurosci. 2011 Oct 4.

45-Investigation of the efficacy of a biogeneric recombinant human erythropoietin alfa in the management of renal anemia in patients on hemodialysis: a multi-center clinical trial. Beiraghdar F, Panahi Y, Einollahi B, Nemati E, Ghadiani MH, Sahebkar A, **Maghsoudi N**, Marzony ET. Clin Lab. 2012;58(7-8):737-45.

46-Programmed cell death and apoptosis--where it came from and where it is going: from Elie Metchnikoff to the control of caspases. **Maghsoudi N**, Zakeri Z, Lockshin RA. Exp Oncol. 2012 Oct;34(3):146-52.

47-Determination of Helicobacter pylori CagA EPIYA types in Iranian isolates with different gastroduodenal disorders. Vaziri F, Najar Peerayeh S, Alebouyeh M, Molaei M, **Maghsoudi N**, Zali MR. Infect Genet Evol. 2013 Apr 6;17C:101-105.

48-Diversity of Helicobacter pylori genotypes in Iranian patients with different gastroduodenal disorders. Vaziri F, Najar Peerayeh S, Alebouyeh M, Mirzaei T, Yamaoka Y, Molaei M, **Maghsoudi N**, Zali MR. World J Gastroenterol. 2013 Sep 14;19(34):5685-92.

49-Repeated intra-hippocampal injection of beta-amyloid 25-35 induces a reproducible impairment of learning and memory: Considering caspase-3 and MAPKs activity.
Ghasemi R, Zarifkar A, Rastegar K, **Maghsoudi N**, Moosavi M.
Eur J Pharmacol. 2014 Jan 10;726C:33-40.

50-Study of the variations in apoptotic factors in hippocampus of male rats with posttraumatic stress disorder.
Alani B, **Maghsoudi N**, Khatibi A, Nouredini M, Asefifar F, Shams J.
Adv Biomed Res. 2013 Mar 30;2:42.

51-Maximizing Production of Human Interferon- γ in HCDC of Recombinant E. coli.
Babaeipour V, Shojaosadati SA, **Maghsoudi N**.
Iran J Pharm Res. 2013 Summer;12(3):563-72.

لیست مقالات داخلی

1- Molecular phylogentic analysis of Iranian HDV complete genome. Behzadian F, Sabahi,F
Karimi M, Sadeghizadeh M, **Maghsoudi N**, et al. Virus Gene(2005) vol 30,No:3, 383-393

2- Effect of sulfur mustard on V79 cell line.

Maghsoudi, N. Kausar medical Journal

No: 5 (4) , Winter 1379 , pp: 303-308

3- Design of a sandwich ELISA system for detection of human G-CSF in picogram.

Vae3, M; Zeinoddini, **Maghsoudi, N**, Soleimani, M; Mostafaiee, A; Fallah, J; Karimi, M;
Saidinia, A; Akbari, B.

Accepted for publication in modarres medical Journal , 2002

4- Study of the role of src- kinase in CVB3 replication

Maghsoudi, N; Zeinoddini,M; Hosseini, Mhd.

Iranian J. Of Biotechnology, Vol 1, No;3 2003, 179-182

5- Effect of PRKR inhibition / activation on CVB3 replication.

Zeinoddini, M; Hosseini, M.: **Maghsoudi, N**.

Iranian Biomedical Journal 8(3): 157-160 (july 2004)

6- Over expression of Human granulocyte colony stimulating factor (Hu.G-CSF) in E. coli

Fallah. J; Akbari,B; Saieedinia, A.R., Karimi, M; Vaez, M.; Zeinoddini, M.,Soleimani, M.,
Maghsoudi, N.

7- G-CSF Bioassay through HL-60 cell line Treated with retinoic Acid and DMSO

Zeinoddini M., Soleimanni M., Akbari B., Karimi M., Vaes M., Fallah J., Saiedinia A.R.,
Maghsoudi N.

Modarres Journal of Medical Sciences, Quartery Research Journal, Vol.5, No. 1, Spring and
Summer 2002. pp:47-53

8- Construction and Cloning of Human Granulocyte-Colony Stimulating Factor (hG-CSF) cDNA

Saeedinia A.R., Sadeghizade M., **Maghsoudi N.**, Akbari B., Fallah J., Karimi M.

Modarres Journal of Medical Sciences, Quarterly Research Journal, Vol.5, No. 1, Spring and Summer 2002. pp:55-64

9- A simple ELISA System for Detection of hIFN- γ

Zeinoddini M., **Maghsoudi N.**, Akbari B., Mohammadi M.R., Deldar A.A., Sadeghi V.

Arch. Razi Ins. 55 (2003) 81-88

10- Effect of host Src-kinase inhibition on replication of Coxsackievirus B3 in vitro .

Maghsoudi.N , Zeinoddini.M , Amini.H , S.M.S , Iranian Journal of Biotechnology Vol.1, No.3 , July 2003

11- Overexpression of recombinant human granulocyte colony stimulating factor in E.coli.

Fahhah.MJ , Akbari.B , Saeedinia.A , Karimi.M , Vaez.M , Zeinoddini.M , Soleimani.M , **Maghsoudi.N** . Iranian Journal , Vol 28 , No.3 , September 2003

12- Effect of activation and inhibition of cellular PKR on Coxsackievirus B3 replication .

Maghsoudi.N , Zeinoddini.M , Amini.H , S.M.S , Iranian Biomedical Journal 8(3) : 157-160 July 2004

13- Feol – batch cultivation of recombinant E.coli producing human interferon – γ under controlled specific growth rate .

Khalilzadeh.R , Shojaosadati.S.A , Bahram.A , **Maghsoudi.N** , Iranian Journal of Biotechnology Vol 2 , NO. 2 . 2004

14- Cloning and expression of protease 2A from coxsackievirus . **Maghsoudi.N** , Zeinoddini.M ,

Amini.H , S.M.S . Iranian Biomedical Journal 2004

15- Cloning and expression of Protease 2A from CVB3. Maghsoudi N. et al., Iranian Biomedical Journal, 2005, In Press.

16- Use of 18 and 36 KDa antigens for mycobacterial detection. Sadegi, V., **Maghsoudi N**, et al. 2005, In press, Iranian Dermatology Journal

۱۷- استفاده از آنتی ژن های ۱۸ و ۳۶ میکودالتونی مایکو باکتریوم پره برای تشخیص نمونه بیماران ایرانی

مبتلا به جذام با روش مولکولی PRC . وحید صادقی، نادر مقصودی، یحیی دولتی، علی اصغر دمدار، مهران

حیدری سراج . فصل نامه بیماریهای پوست دوره ۸ شماره ۵ پائیز ۸۴،

17-Cloning and Expression of Coxsackievirus B3 Viral Protein -1 in E.Coli.**Maghsoudi**

N,Khalilpour A,Kamali M,and Zeinoddini M.Iranian Biomedical Journal 11(3):147-152

(July 2007)

Papers presented in International Congresses

- 1- In vitro interaction of Endothelial cells and M.Leprae. **Maghsoudi, N;** XIV Biennial conference of Indian association of leprologists. Jabalpur, India, 1986.
- 2- In vitro interaction of antileprosy drugs and M.leprae. **Maghsoudi , N;** and lata, M. Xi th. International congress of pharmacology, Amsterdam, The Netherlands, July 1-6, 1990
- 3- Permeability of the skin towards sulfur mustard. **Maghsoudi , N;** et al. The 1991 EUROTOX Congress, Maastricht, The Netherlands. Sept. 1-4, 1991.
- 4- Effect of sulfur mustard on fibroblast cells – An Ultrastructural study. **Maghsoudi , N;** et al. XX Nordic congress of physiology and pharmacology, Aug. 16-19 Copenhagen, Denmark.
- 5-Cloning, Expression and biological activity of 2A protease from CVB3., **Maghsoudi N.** et al , European Congress of Biotechnology, 2005, Denmark
- 6- The discrepant effect of intrahippocampal insulin microinjection on spatial learning and memory . M.Moosavi, N,Naghdi ,N.Maghsoudi , S.Zahedi Asl. The 4th Congress of Federation of Asian _Oceanian Neuroscience Societies , November 30- December 2 . 2006 .
- 7- Cloning and Exppression of VP1 Gene from Coxsakievirus B3. A.khalilpour,N.Maghsoudi,M.Kamali,M.Zeinoddini and R.Mohammadi Herag. Proceedings of the International Conference on Bio technology Engineering , IC BioE07, May 8-10,2007,kuala lumpur, Malaysia

Papers presented in National Congresses

- 1- Effect of sulfur mustard on cell organelles (cytological Changes). **Maghsoudi, N;** et al. 9th Iranian congress of physiology and pharmacology, May 15-18 1989, Tehran, I.R. iran.
- 2- The mode of penetration of sulfur mustard into guinea pigs skin and factors modifying it. **Maghsoudi, N;** et al. Ibid
- 3- Standardization of sulfur mustard detection in biological aqueous medium by High performance liquid chromatography. **Maghsoudi , N;** et al. Ibid.
- 4- Mechanism of sulfur mustard penetration into V79 (fibroblast) cells. **Maghsoudi, N;** el al. Ibid
- 5- Effect of sulfur mustard on cell organelles. **Maghsoudi , N;** el al. Ibid
- 6- N.M.R. in cancer Therapy. **Maghsoudi , N;** Iranian congress of Medicine and Images. Nov. 11-16, Mashad, I.R. Iran.

- 7- The mode of penetration of the skin (Guinea pigs) by sulfur mustard and factors modifying it. Amirzargar, A. and **Maghsoudi , N**; The 10th Iranian Congress of physiology and pharmacology. Dec. 9-12, 1991, Ahwaz, I.R. Iran.
- 8- Estimation of the mustard transport by the cell, using sonication. **Maghsoudi , N**; and kobarfard, F. Ibid
- 9- Effect of sulfur mustard on bodys heat regulation. Amirzargar, A. Chetnis, P. **Maghsoudi , N**; and Eliasi, H. 12th Iranian Congress of physiology and pharmacology 1995, I.R. Iran.
- 10- Effect of sulfur mustard on heart beats. Amirzargar, A. Chetnis, P. **Maghsoudi , N**; and Eliasi, H. Ibid.
- 11- Cloning and Expression of human granulocyte colony stimulating factor (hG-CSF) in E.coli
Fallah, J; A kbari, B; Saieedinia, A; Karimi, M; Vaez, M; Zeinoddini, M; Soleimani, M; **Maghsoudi , N**.
Second national Iranian biotechnology congress, Tehran, Iran, Oct. 9-11 2001 Karaj
- 12- Detection and comparison of Telomere leng ht in oral scc and adjacent tissues by PCR
Akbari, B; Deldar, A.A; **Maghsoudi , N**; Eslami ,B; Majidfar.F; Ibid – P.978
- 13- Asimple ELISA system for Diagnosis of hINF- gamma
Maghsoudi , N; Akbari, B, Mohammadi, M.R; Sadeghi, V., Deldar, A.A., Zeinoddini, M.
Ibid – p.976
- 14- Cloning of Human Interferon - gamma , Gene in E.coli
Moeen Rezakhanlou A, Mahboudi F, arkhordari, F,Adeli, A, Falah, J. and **Maghsoudi, N**.
Ibid – p. 943
- 15- Development of a sand wich ELISA for measure ment of picogram quantities of human granulocyte colony stimulating factor (G-CSF)
Vaez, M., Zeinoddini,M., **Maghsoudi, N**; Soleimani, M., Mostagae, A., Fallah, M.J., Karimi, M., Saeedinia, A.R., Akbari,B. Ibid – p 1232
- 16- Public perception in biotechnology in astatistical population
Mohammadian, M.J; Aali, V; saftarioun. .M., Khalilzadeh., R; **Maghsoudi , N**.
Ibid-p 1300
- 17- Design and construction of bubble column Bioreactor and investigating the effect of sparger design, Air Flow rate and Height to diameter Ratio on oxygen and gas Hold up
Babaipour. V.; Khalilzadeh. R., Robotjazi, m., **Maghsoudi , N**.
Ibid –p 1588
- 18- Effect of activation and Inhibition of cellular PRKR on CVB3 replication
Maghsoudi , N; Zeinoddini,M; Hosseini, S.S., Deldar, A; Fallah, J, Saieedinia, A

Ist Iranian Congress on virology, 19-21 Feb 2002, Tehran – Iran, Imam Khomeini Hospital.

P-61

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