

Curriculum Vitae

Personal Data:

Name	Surname	Date of Birth	Nationality	Gender	Marital Status
Amir Hossein	Doustimotlagh	23-Aug-1984	Iranian	Male	Married
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URL: L-6243-2017 https://www.researcherid.com/Workspace.action					
URL: https://scholar.google.com/citations?user=YanAaCAAAAAAJ&hl=en					
URL: https://www.researchgate.net/profile/Amir_Hossein_Doustimotlagh					
URL: http://www.authorstream.com/doustimotlagh					

Educational Background:

Certificate	Field of Specialization	GPA	Name and Place of the Institution	Date
High School Diploma	Experimental Sciences	14.96 Out of 20	Erfan, Dehdasht, Iran	2002
Associate Degree	Laboratory Sciences	17.33 Out of 20	Baghiatallah University of Medical Sciences, Tehran, Iran	Jan-2004
B.S.	Laboratory Sciences	16.13 Out of 20	Kashan University of Medical Sciences, Kashan, Iran	Jan-2010
M.S.c	Clinical Biochemistry	17.82 Out of 20	Tehran University of Medical Sciences, Tehran, Iran	Jan-2013
PhD	Clinical Biochemistry	18.78 Out of 20	Tehran University of Medical Sciences, Tehran, Iran	Now

Title of Post-Graduate Dissertation:	
M.S.c	A study on membrane protein modification, antioxidant defence status and hexokinase activity changes in rat erythrocyte during CCl ₄ induced cirrhosis development
PhD	Bone remodeling in bile duct ligated (BDL) cirrhotic rats: the role of RANKL/RANK/OPG system and the effect of Naltrexone and L-NAME on it

English Language Proficiency:

Test	Total Score
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MHLE	Listening comprehension	19	55
	Structure	23	
	Reading comprehension	13	

Other Languages:

Persian (native); Lorish (native); Eenglish (moderate)

Honors, Distinctions, and Scientific Societies Membership:

- **Best Oral Presentation** in 13th Iranian Congress of Biochemistry & 5th International Congress of Biochemistry and Molecular Biology, 16-19 APRIL 2013 in Yazd, Iran.
- **First ranked** in the MSc entrance examination of clinical biochemistry in 2011.
- Membership of the European Association for Cancer Research (**EACR**)

Publications:

A: Books

Title	Type of Work		Publisher	Date of Publication	ISBN
	Compilation	Translation			
Comprehense Textbook of Toxicology	✓		Jamee negar, Tehran, Iran	Summer 2013	9786001012570
Harper's Illustrated Biochemistry		✓	Monfared Medical	In Editing	

B: Articles in International Journals

English papers
Doustimotlagh AH , Nourbakhsh M, Dehpour AR ,Golestani A, Alteration in membrane protein, antioxidant status and hexokinase activity in erythrocytes of CCl ₄ - induced cirrhotic rats. <i>Acta Medica Iranica</i> , 2014.

Nourbakhsh M, Ahmadpour F, Chahardoli B, Malekpour-Dehkordi Z, Nourbakhsh M, Hosseini-Fard SR, **Doustimotlagh AH**, Golestani A, Razzaghy-Azar M, Selenium and its relationship with selenoprotein P and glutathione peroxidase in children and adolescents with Hashimoto's thyroiditis and hypothyroidism. *Journal of Trace Elements in Medicine and Biology*, 2016.

Javadian N, Rahimi N, Javadi-Paydar M, **Doustimotlagh AH**, Dehpour AR, The modulatory effect of nitric oxide in pro- and anti-convulsive effects of vasopressin in PTZ-induced seizures threshold in mice. *Epilepsy Research*, 2016.

Sarhadi Kholari F, Dehpour AR, Nourbakhsh M, **Doustimotlagh AH**, Bagherieh M, Golestani A, Erythrocytes membrane alterations reflecting liver damage in CCl₄-induced cirrhotic rats; the ameliorative effect of Naltrexone. *Acta Medica Iranica*, 2016.

Doustimotlagh AH, Dehpour AR, EtemadMoghadam S, Alaeddini M, Kheirandish K, Golestani A, Nitrgic and Opioidergic Systems Affect the Bone Densitometric and Histomorphometric Indexes in Bile-Duct Ligated (BDL) Cirrhotic Rats, *Histology and Histopathology*, Histology & Histopathology, 2016.

Doustimotlagh AH, Dehpour AR, Golestani A, Involvement of nitrgic and opioidergic systems in the oxidative stress induced by BDL rats, *British Journal of Medicine and Medical Research*, 2016.

Doustimotlagh AH, Dehpour AR, Etemad-Moghadam S, Alaeddini M, Ostadhadi S, and Golestani A, A study on OPG/RANK/RANKL axis in osteoporotic bile duct-ligated rats and the involvement of nitrgic and opioidergic systems, *Research in Pharmaceutical Sciences*, 2018.

Esmaeili B, Mansouri P, **Doustimotlagh AH**, and Izad M, Redox imbalance and IL-17 responses in memory CD4⁺ T cells from patients with psoriasis, *Scandinavian Journal of Immunology*, 2018.

Mansourian M, Sadeghi H, and **Doustimotlagh AH**^{*}, Activation of the glutathione peroxidase by metformin in the bile-duct ligation-induced liver injury: in vivo combined with molecular docking studies, *Current pharmaceutical design*, 2018.

Ghaedi H, Zare A, Omrani MD, **Doustimotlagh AH**, Meshkani R, Alipoor S, Alipoor B, Genetic variants in long noncoding RNA H19 and MEG3 confer risk of type 2 diabetes in an Iranian population, *Gene*, 2018.

Sadeghi H, Jahanbazi F, Sadeghi H, Omidifar N, Alipoor B, Panahi Kokhdan E, Mousavipoor SM, Mousavi-Fard SH, **Doustimotlagh AH**^{*}, Metformin attenuates oxidative stress and liver damage after bile duct ligation in rats, *Research in Pharmaceutical Sciences*, 2019.

Mansourian M, Mahnam K, Rajabi HR, Roushani M, Doustimotlagh AH, Exploring the binding mechanism of saccharin and sodium saccharin to promoter of human p53 gene by theoretical and experimental methods, *Journal of Biomolecular Structure and Dynamics*, 2019.

Sadeghi H, Azarmehr N, Razmkhah F, Danaei N, Omidifar N, Vakilpoor H, Pourghadamyari H, Doustimotlagh AH*, The hydroalcoholic extract of watercress attenuates protein oxidation, oxidative stress and liver damage after bile-duct ligation in rats, *Journal of Cellular Biochemistry*, 2019.

Asie Sadeghi, Reza Fadaei, Nariman Moradi, Fatima Z Fouani, Maryam Roozbehkia, Zahra Zandieh, Soheila Ansaripour, Akram Vatannejad, Amir H Doustimotlagh*, Circulating levels of C1q/TNF- α -related protein 6 (CTRP6) in polycystic ovary syndrome, *IUBMB Life*, 2020.

Ali R Bastin, Asie Sadeghi, Moslem Abolhassani, Amir H Doustimotlagh*, Abbas Mohammadi, Malvidin prevents lipopolysaccharide-induced oxidative stress and inflammation in human peripheral blood mononuclear cells, *IUBMB life*, 2020.

Arash Arya, Nahid Azarmehr, Mahboubeh Mansourian & Amir Hossein Doustimotlagh*, Inactivation of the superoxide dismutase by malondialdehyde in the nonalcoholic fatty liver disease: a combined molecular docking approach to clinical studies, *Archives of Physiology and Biochemistry*, 2019; 1-8.

Asie Sadeghi, Ali Reza Bastin, Hossein Ghahremani, Amir Hossein Doustimotlagh*, The effects of rosmarinic acid on oxidative stress parameters and inflammatory cytokines in lipopolysaccharide-induced peripheral blood mononuclear cells. *Molecular biology reports*, 2020.

Mehdi Koushki, Nasrin Amiri-Dashatan, Yasin Pourfarjam, Amir Hossein Doustimotlagh*, Effect of garlic intake on inflammatory mediators: a systematic review and meta-analysis of randomised controlled trials. *Postgraduate Medical Journal*, 2020.

Hossein Sadeghi, Mahboubeh Mansourian, Esmael Panahi kokhdan, Zeinab Salehpour, Iman Sadati, Kazem Abbaszadeh-Goudarzi, Arash Asfaram, Amir Hossein Doustimotlagh*, Antioxidant and protective effect of *Stachys pilifera* Benth against nephrotoxicity induced by cisplatin in rats. *Journal of Food Biochemistry*, 2020.

Abolghasem Hadinia, Amir H. Doustimotlagh*, Hamed R. Goodarzi, Arash Arya, Mojtaba Jafarinia, Circulating Levels of Pro-inflammatory Cytokines in Patients with Nonalcoholic Fatty Liver Disease and Non-Alcoholic Steatohepatitis, *Iranian journal of immunology*, 2019; 327-333 .

Abolghasem Hadinia, Amir H. Doustimotlagh*, Hamed R. Goodarzi, Arash Arya, Mojtaba Jafarinia, Plasma Levels and Gene Expression of RANK in Non-Alcoholic Fatty Liver Disease, *Clin. Lab*, 2020; 793-799.

Nahid Azarmehr, Parisa Afshar, Mona Moradi, Heibatollah Sadeghi, Hossein Sadeghi, Behnam Alipoor, Bahman Khalvati, Zahra Barmoudeh, Kazem Abbaszadeh-Goudarzi, Amir Hossein Doustimotlagh*, Hepatoprotective and antioxidant activity of watercress extract on acetaminophen-induced hepatotoxicity in rats, *Heliyon*, 2019; e02072.

Mahboubeh Mansourian, Ali Mirzaei, Nahid Azarmehr, Hossein Vakilpour, Esmaeel Panahi Kokhdan, Amir Hossein Doustimotlagh*, Hepatoprotective and antioxidant activity of hydroalcoholic extract of *Stachys pilifera*. Benth on acetaminophen-induced liver toxicity in male rats. *Heliyon*, 2019.

Amir Hossein Doustimotlagh, Salman Taheri, Mahboubeh Mansourian, Mahdiah Eftekhari, Extraction and identification of two flavonoids in *Phlomis hyoscyamoides* as endemic plant of Iran: The role of quercetin in the activation of the glutathione peroxidase, the improvement of the hydroxyproline and protein oxidation in bile duct-ligated rats. *Current computer-aided drug design*, 2019.

Mona Moradi, Amir Hossein Doustimotlagh, Ahmad Reza Dehpour, Nastaran Rahimi, Abolfazl Golestani, The influence of TRAIL, adiponectin and sclerostin alterations on bone loss in BDL-induced cirrhotic rats and the effect of opioid system blockade, *Life Sciences*, 2019; 116706.

C: Oral and Poster Presentation in Congresses

Doustimotlagh AH, Nourbakhsh M, Dehpour AR, Golestani A. **Alterations in the antioxidant status in rats with CCl₄-induced liver cirrhosis**, 13th Iranian Congress of Biochemistry & 5th International Congress of Biochemistry and Molecular Biology, 16-19 APRIL 2013 in Yazd, Iran.

Doustimotlagh AH, Nourbakhsh M, Dehpour AR, Golestani A. **Modification of the erythrocyte membrane proteins in rats with CCl₄-induced cirrhosis**, 13th Iranian Congress of Biochemistry & 5th International Congress of Biochemistry and Molecular Biology, 16-19 APRIL 2013 in Yazd, Iran.

Doustimotlagh AH, Nourbakhsh M, Dehpour AR, Golestani A. **Alteration in NO metabolites and osmotic fragility and FRAP in CCl₄-induced cirrhotic rats**, 6th International Congress of Laboratory and Clinic, 12-14 February 2014 in Tehran, Iran.

Doustimotlagh AH, Ramin Jannesar and Seyyedeh Habibeh Hashemi. **Prevalence of Vitamin D Deficiency in Women Presenting to Dena laboratory in Yasuj city**, 6th International Congress of Laboratory and Clinic, 12-14 February 2014 in Tehran, Iran.

Nourbakhsh M, Ahmadpour F, Chahardoli B, Malekpour-Dehkordi Z, Nourbakhsh M, Hosseini-Fard SR, Doustimotlagh AH, Golestani A, Razzaghy-Azar M, **Glutathione peroxidase and selenoprotein P levels in children and adolescents with Hashimoto**

thyroiditis and subclinical hypothyroidism. 9th Joint Meeting of Paediatric Endocrinology, 13 September 2013 in Milan, Italy.

Doustimotlagh AH, Dehpour AR, EtemadMoghadam S, Alaeddini M, Kheirandish K, Golestani A, **Effect of Naltrexone and L-NAME on bone histomorphometry and calcium in bile duct ligated rats,** 8th International Congress of Laboratory and Clinic, 6-8 February 2016 in Tehran, Iran.

Doustimotlagh AH, Dehpour AR, EtemadMoghadam S, Alaeddini M, Kheirandish K, Golestani A, **Effect of Naltrexone and L-NAME on bone densitometry in bile duct ligated rats,** 8th International Congress of Laboratory and Clinic, 6-8 February 2016 in Tehran, Iran.

Doustimotlagh AH, **Involvement of nitrenergic and opioidergic systems in the oxidative stress induced by cirrhosis in rats,** 17th International Conference on Oxidative Stress Reduction, Redox Homeostasis and Antioxidants, 13-15 June 2016 in Paris, France.

Training Courses and Workshops Attended:

Training Course or Workshop Title	Duration	Name and Place of the Institution	Date
Quality Control	8 Hours	Iran University of Medical Sciences, Tehran, Iran	15 February 2014
How to Write a Proposal?	8 Hours	Tehran University of Medical Sciences, Tehran, Iran	17 th -18 th January 2011
Proteomics	6 Hours	Kashan University of Medical Sciences, Isfahan, Iran	10 th August 2009

Research Activities:

Accomplished projects
As Project's Collaborator
Title: "A study on antioxidant status, RBC membrane, and hexokinase activity in CCl ₄ induced cirrhotic rats under Naltrexone therapy"
Title: "A study on the function of calcium-parathormone-vitamin D axis and the role of IL-6 in BDLcirrhotic rats and the effect of Naltrexone and L-NAME"
Title: "To investigate the effect of CPAP therapy on protein and lipid modification, antioxidant defense status and MnSOD gene expression in patients with obstructive sleep Apnea"

Current projects
<i>Comparison of OPG, RANK and RANKL plasma levels between Non-alcoholic Fatty Liver Disease (NAFLD) patients and normal subjects</i>
<i>The effect of metformin on antioxidant status and proteins and lipids in liver in BDL-induced cholestatic rats</i>
<i>Effect of malvidin on the expression of inflammatory cytokines and its mechanism of action in PBMCs of healthy male subjects in the presence of LPS</i>
<i>The effect of metformin on antioxidant status and proteins and membrane lipids in red blood cells in BDL-induced cholestatic rats</i>
<i>Comparison of lipid, protein and DNA oxidation products plasma levels between Non-alcoholic Fatty Liver Disease (NAFLD) patients and normal subjects</i>
<i>Protective Effect of hydroalcoholic extract of Watercress in bile duct ligation (BDL)-induced cholestatic rats</i>
<i>Protective Effect of hydroalcoholic extract of Rosmarinus officinalis L. in bile duct ligation (BDL)-induced cholestatic rats</i>
<i>The effect of hydroalcoholic extract of Rosemarinus officinalis aerial on hepatotoxicity induced-methotrexate in rats</i>
<i>Protective binds of hydroalcoholic extract of Nasturtium officinale from aerial parts and quercetin with bilirubin in vitro conditions and its effect on liver toxicity induced by cyclophosphamide in rats</i>
<i>Protective binds of hydroalcoholic extract of Nasturtium officinale from aerial parts and quercetin with bilirubin in vitro conditions and its effect on liver toxicity induced by cyclophosphamide in rats</i>
<i>The effect of Amitriptyline on proliferation of K562 human cancer cell line</i>
<i>Protective effect hydroalcoholic extract from aerial parts of Nasturtium officinale and phenyl isothiocyanate against diazinon-induced hematotoxicity, genotoxicity and lipid peroxidation in rats</i>
<i>Evaluation of the Effects of Hydro-alcoholic Extract from aerial Parts of Rosmarinus officinalis. L and vitamin E in Bleomycin-induced Pulmonary Fibrosis in rats</i>

Work Experience & Administrative Responsibilities:

Job Title	Place of Work	Date	Name of Institution
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Lab technician	Khuzestan / Bandar- e Mahshahr / Mahshahr, Iran	Feb-2008 to Nov- 2008	Hajmaroofi Hospital
Supervisor	Yasouj, Iran	Feb- 2010 to Aug- 2010	Dena Laboratory

Research Fields of Interest:

- OPG/RANK/RANKL system
- Osteoporosis in chronic liver diseases
- Antioxidant activity, (Especially relating to liver diseases)
- Cancer research, (Especially Breast and Liver)
- Cell Culture

