



Reza Khodarahmi

Full Prof.

PhD of Biochemistry

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Personal Records

Name: Reza Khodarahmi

Date of Birth: August 4, 1974

Nationality: Iranian

Gender: Male

Place of Birth: Nahavand, Iran

Marital Status: Married, 2 Children

Appointment: PhD in Biochemistry

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University of Medical Sciences, Kermanshah, Iran

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Languages:

I know Farsi (native) and English (semi-fluently).

Present Position: Associate Prof. of Biochemistry

Educational Records

B.Sc:

From: University of Razi, Kermanshah, Iran (1997)

Major: Biology

M.Sc:

From: Faculty of Sciences, University of Tarbiat-Modarres, Tehran, Iran (2000)

Major: Pure Biochemistry

Thesis: Development of a new affinity gel for purification of glycoproteins.

Ph.D:

From: Institute of Biochemistry and Biophysics, University of Tehran, Tehran, Iran (2001-2006)

Major: Applied Biotechnology

Thesis: The effects of new chemical chaperones on the extent of aggregation of recombinant proteins during therefolding processes.

Courses Taught

A. Undergraduate

1. General Biochemistry

2. Metabolism

2001-2008 Biochemistry (Metabolism) for B.S. students at Azad and Razi University

2005-2008 Biochemistry (Metabolism) at Faculty of Pharmacy and Veterinary Medicine

B. Graduate (M. Sc., Ph.D)

1. Enzymology and Enzyme Kinetics

2. Translation and control of gene expression

3. Bioinformatics

4. Metabolic Disorders

5. Vitamins

Activity in Scientific Journals

Chairman: Journal of Reports in Pharmaceutical Sciences

Academic Editor: PLOS ONE

Editorial Membership: Several Journals by Bentham publications

Reviewer: PLOS ONE, International journal of Biological Macromolecules, Archives of Biochemistry and Biophysics, Medicinal Chemistry Research, Cytotechnology, Pharmaceutical Biology, Journal of Iranian Chemical Society, Spectrochimica Acta A Molecular and Biomolecular Spectroscopy, Cell biochemistry and Biophysics, Biotechnology Progress, ERMS, JKUMS, . .

Researches and Interests

- 1999-2000 Study on hemoglobin as a ligand for affinity chromatography under supervision of Dr. Hamid Rahi, Kermanshah University of medical

Sciences, Kermanshah, Iran

- 2000-2001 National Project of "Expression and Purification of recombinant human interferon $\alpha 2b$ " in Pasteur Institute, under supervision of Dr. Mehr-aeen, Tehran, Iran.
- 2003-2005 Study on refolding strategies (Downstream of Biotechnology) under supervision of Dr. Yazdanparast, University of Tehran, Tehran, Iran

1- Protein aggregation, Amyloidosis and its inhibition

2- Protein-Ligand (Drug) interaction

3- Enzyme Kinetics and Inhibition

Honors and Awards

1. Top B.Sc student of Biology Department, Razi University, 1997.
2. Top M.Sc student of Biochemistry Department, Faculty of Sciences, Tarbiat Modarres University, 2000.
3. Distinguished as young scientist in 8th Iranian congress of Biochemistry and First international congress of Biochemistry and molecular Biology, September 11-15, 2005.
4. Distinguished researcher in University of Tehran, 2006.
5. Distinguished teacher in Kermanshah University of Medical Sciences.
6. Distinguished researcher in Kermanshah University of Medical Sciences (2009-2014).

Membership of Scientific Societies

- Member of Iranian Society of Biophysical Chemistry (ISOBC).
- Member of Iranian Society of Biochemistry.
- Member of Iranian Peptide Society.
- Member of Iranian Biology Society.

Publications



(Books in Persian)

- 1- Biochemistry and Biophysics of Metabolism, **Noor-e-Danesh Publication**, Tehran, Iran, 2003 (**Second edition, 2008**) Reza Khodarahmi and Nooshin Bahrami Ghane (www.noordanesh-pub.com)
- 2- From wheat grains to bread loaves, "Biochemistry of wheat" Chapter, First international congress of wheat, Tehran, Iran, 2002, Boards of Authors

(Published Full Journal Papers) – H-index: 17 (2018)

<http://scholar.google.com/citations?user=X4LPEEIAAAAJ&hl=en>

https://www.researchgate.net/profile/Reza_Khodarahmi/reputation

106. Mechanistic investigation of sulfonamide ligands as human carbonic anhydrase II inhibitors

L Alaei, R **Khodarahmi**, V Sheikh-Hasani, N Sheibani, ...
International journal of biological macromolecules 120, 1198-1207

105. Effective suppression of the modified PHF6 peptide/1N4R Tau amyloid aggregation by intact curcumin, not its degradation products: Another evidence for the pigment as preventive ...

N Bijari, S Balalaie, V Akbari, F Golmohammadi, S Moradi, H Adibi, R **Khodarahmi**
International journal of biological macromolecules 120, 1009-1022

104. Diverse effects of different" protein-based" vehicles on the stability and bioavailability of curcumin: Spectroscopic evaluation of the antioxidant activity and cytotoxicity in ...

R **Khodarahmi**, M Farideh, L Hosseinzadeh, MR Ashrafi-Kooshk, ...
Protein and peptide letters

103. The effect of CYP2C9* 2, CYP2C9* 3, and VKORC1-1639 G> A polymorphism in patients under warfarin therapy in city of Kermanshah

Z Hosseinkhani, M Sadeghalvad, F Norooznezhad, R **Khodarahmi**, ...
Research in pharmaceutical sciences 13 (4), 377

102. Comparative experimental/theoretical studies on the EGFR dimerization under the effect of EGF/EGF analogues binding: Highlighting the importance of EGF/EGFR interactions at ...

M Mehrabi, H Mahdiuni, H Rasouli, K Mansouri, M Shahlaei, R **Khodarahmi**

International journal of biological macromolecules 115, 401-417

101. [Fabrication of a novel enzymatic electrochemical biosensor for determination of tyrosine in some food samples](#)

K Varmira, G Mohammadi, M Mahmoudi, R **Khodarahmi**, K Rashidi, ...
Talanta 183, 1-10

100. [Study of \$\alpha\$ -amylase inhibitors among different bean cultivars and evaluation of their effectiveness compared with a commercial product using in vitro/in vivo experimental systems](#)

F Ghorbani, M Sadeghi, A Aghaie, C Jalili, R **Khodarahmi**, A Ghahghaei
Journal of Research in Medical and Dental Science 6 (1), 381-391

99. [Therapeutic Potentials of the Most Studied Flavonoids: Highlighting Antibacterial and Antidiabetic Functionalities](#)

H Rasouli, SMB Hosseini-Ghazvini, R **Khodarahmi**
Studies in Natural Products Chemistry 60, 85-122

98. [Anthocyanins in the Management of Metabolic Syndrome: A Pharmacological and Biopharmaceutical Review](#)

R Nasser, F Farzaei, F Navabi, S Habtemariam, MH Farzaei, ...**Khodarahmi**
Frontiers in Pharmacology 9, 1310

97. [Diverse antithetical effects of the bio-compatible Ag-NPs on the hen egg lysozyme amyloid aggregation: from an efficient inhibitor to obscure inducer](#)

H Ramshini, AS Moghaddasi, N Mollania, R **Khodarahmi**
Journal of the Iranian Chemical Society, 1-12

96. [Can any "non-specific charge modification within microtubule binding domains of Tau" be a prerequisite of the protein amyloid aggregation? An in vitro study on the...](#)

A Jangholi, MR Ashrafi-Kooshk, SS Arab, S Karima, M Poorebrahim, ... **R Khodarahmi**
International journal of biological macromolecules 109, 188-204, 2018.

95. [Enhancement of intrinsic fluorescence of human carbonic anhydrase II upon topiramate binding: Some evidence for drug-induced molecular contraction of the protein](#)

S Ghobadi, MR Ashrafi-Kooshk, H Mahdiuni, **R Khodarahmi**
International journal of biological macromolecules 108, 240-249, 2018.

94. [Exploring the interaction between "site-markers, aspirin and esterase-like activity" ternary systems on the human serum albumin: direct evidence for modulation of ca...](#)

S Esmaeili, M Almasi, A Vaisi-Raygani, S Moradi, MR Ashrafi-Kooshk, ... **R Khodarahmi**
Journal of the Iranian Chemical Society 15 (3), 555-573, 2018.

93. [Fabrication of a novel enzymatic electrochemical biosensor for determination of tyrosine in some food samples](#)

K Varmira, G Mohammadi, M Mahmoudi, **R Khodarahmi**, K Rashidi, ...
Talanta, 2018.

92. [CYP2C9* 1* 2 and VKORC1-1639 AA Polymorphisms Correlation with Warfarin Dose Requirement: A Case Report](#)

Z Hoseinkhani, **R Khodarahmi**, M Sadeghalvad, F Norooznezhad, ...
Journal of Reports in Pharmaceutical Sciences 7 (1), 88-91, 2018.

91. [Polyphenols and their benefits: A review](#)

H Rasouli, MH Farzaei, **R Khodarahmi**
International Journal of Food Properties 20 (sup2), 1700-1741

90. [Critical effects on binding of epidermal growth factor produced by amino acid substitutions](#)

M Mehrabi, **R Khodarahmi**, M Shahlaei
Journal of Biomolecular Structure and Dynamics 35 (5), 1085-1101

89. [Development of a human epidermal growth factor derivative with EGFR-blocking and depleted biological activities: A comparative in vitro study using EGFR-positive breast cancer cells](#)

M Mehrabi, K Mansouri, B Soleymani, Z Hoseinkhani, M Shahlaie, ... **R Khodarahmi**
International Journal of Biological Macromolecules 103, 275-285

88. [Differential \$\alpha\$ -amylase/ \$\alpha\$ -glucosidase inhibitory activities of plant-derived phenolic compounds: a virtual screening perspective for the treatment of obesity and diabetes](#)

H Rasouli, SMB Hosseini-Ghazvini, H Adibi, **R Khodarahmi**
Food & Function 8 (5), 1942-1954

87. [Are Pro8/Pro18 really critical for functional dynamic behavior of human endostatin N-terminal peptide? A comparative molecular dynamics study](#)

H Rasouli, M Mehrabi, SS Arab, **R Khodarahmi**
Journal of the Iranian Chemical Society, 1-17

86. [Captopril/enalapril inhibit promiscuous esterase activity of carbonic anhydrase at micromolar concentrations: An in vitro study](#), S Esmaeili, MR Ashrafi-Kooshk, H Adibi, **R Khodarahmi**, Chemico-Biological Interactions, DOI:10.1016/j.cbi.2017.01.014.

85. [Diethylalkylsulfonamido \(4-methoxyphenyl\) methyl\] phosphonate/phosphonic acid derivatives act as acid phosphatase inhibitors: synthesis accompanied by experimental and molecular modeling assessments](#)

N Alimoradi, MR Ashrafi-Kooshk, M Shahlaei, S Maghsoudi, Hadi Adibi, Ross P McGeary, **Reza Khodarahmi**, Journal of Enzyme Inhibition and Medicinal Chemistry, <http://dx.doi.org/10.1080/14756366.2016.1230109>

- 84.** [A Spectrophotometric Method for the Determination of Aldehyde Oxidase Activity Using 3-Methyl-2- Benzothiazolinone Hydrazine: A Preliminary Study](#), [Maryam Siah](#) · [Mohammad Hosein Farzaei](#), [Mohammad Reza Ashrafi](#), [Hadi Adibi](#), [Reza Khodarahmi](#), 2017, 6(1), 23-33.
- 83.** Appraisal of role of the polyanionic inducer length on amyloid formation by 412-residue 1N4R Tau protein: A comparative study, A Jangholi, MR Ashrafi-Kooshk, SS Arab, G Riazi, F Mokhtari, ... R. **Khodarahmi**, Archives of Biochemistry and Biophysics 609, 1-19, 2016. (Q1)
- 82.** [Is there correlation between A \$\beta\$ -heme peroxidase activity and the peptide aggregation state? A literature review combined with hypothesis](#)
R Khodarahmi, MR Ashrafi-Kooshk
International journal of biological macromolecules 100, 18-36
- 81.** Degradation products of the artificial azo dye, Allura red, inhibit esterase activity of carbonic anhydrase II: A basic in vitro study on the food safety of the colorant in terms of enzyme inhibition, S Esmaeili, MR Ashrafi-Kooshk, K Khaledian, H Adibi, S Rouhani, ... R. **Khodarahmi**, Food Chemistry 213, 494-504, 2016. (Q1)
- 80.** Heme-coordinated histidine residues form non-specific functional "ferritin-heme" peroxidase system: Possible and partial mechanistic relevance to oxidative stress-mediated pathology in neurodegenerative diseases, S Esmaeili, MRA Kooshk, SM Asghari, R **Khodarahmi**, International journal of biological macromolecules 91, 368-380, 2016.
- 79.** Peptides NAP and SAL attenuate human tau granular-shaped oligomers in vitro and in SH-SY5Y cells, F Mokhtari, G Riazi, S Balalaie, R **Khodarahmi**, S Karima, A Hemati, ..., Neuropeptides 59, 21-31, 2016.
- 78.** Plant Cell Cancer: May Natural Phenolic Compounds Prevent Onset and Development of Plant Cell Malignancy? A Literature Review, H Rasouli, MH Farzaei, K Mansouri, S Mohammadzadeh, R **Khodarahmi**, Molecules 21 (9), 1104, 2016.
- 77.** Critical Effects on Binding of Epidermal Growth Factor Produced by Amino Acid Substitutions, M Mehrabi, R **Khodarahmi**, M Shahlaei, Journal of Biomolecular Structure and Dynamics, 1-60, 2016
- 76.** Synthesis, Characterization, Molecular Modeling, and DNA Interaction Studies of Copper Complex Containing Food Additive Carmoisine Dye, N Shahabadi, A Akbari, M Jamshidbeigi, R **Khodarahmi**, Nucleosides, Nucleotides and Nucleic Acids, 1-19, 2016.
- 75.** Functionalization of γ -Fe₂O₃@ SiO₂ nanoparticles using the antiviral drug zidovudine: synthesis, characterization, in vitro cytotoxicity and DNA interaction

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74. [Inhibition of guinea pig aldehyde oxidase activity by different flavonoid compounds: An in vitro study](#), M Siah, MH Farzaei, MR Ashrafi-Kooshk, H Adibi, SS Arab, MR Rashidi, **R Khodarahmi**. Bioorganic chemistry 64, 74-84, 2016.

73. [Exploring binding properties of sertraline with human serum albumin: Combination of spectroscopic and molecular modeling studies](#), M Shahlaei, B Rahimi, A Nowroozi, MR Ashrafi-Kooshk, K Sadrjavadi, **R Khodarahmi**. Chemico-biological interactions 242, 235-246, 2015.

72. [Possible peroxidase active site environment in amyloidogenic proteins: Native monomer or misfolded-oligomer; which one is susceptible to the enzymatic activity, with contribution of heme?](#)

R Khodarahmi, MR Ashrafi-Kooshk, S Khodarahmi, SA Ghadami, ...
International Journal of Biological Macromolecules 80, 293-301

71. [Allura Red, the Artificial Azo Dye, Inhibits Esterase Activity of Carbonic Anhydrase II: A Preliminary Study on the Food Safety in Term of Enzyme Inhibition](#), **R Khodarahmi**, MR Ashrafi-Kooshk, K Khaledian, Journal of Reports in Pharmaceutical Sciences (J. Rep. Pharm. Sci.) 4 (1), 43-52

70. [Spectroscopic and molecular modeling studies on binding of dorzolamide to bovine and human carbonic anhydrase II](#), N Bijari, S Ghobadi, H Mahdiuni, **R Khodarahmi**, SA Ghadami, International journal of biological macromolecules 80, 189-199

69. [Comparative studies on drug binding to the purified and pharmaceutical-grade human serum albumins: Bridging between basic research and clinical applications of albumin](#), Mohammad Reza Ashrafi-Kooshk, Farangis Ebrahimi, Samira Ranjbar, Sirous Ghobadi, Nastaran Moradi, **Reza Khodarahmi**, Biologicals

68. [Engineering of a disulfide loop instead of a Zn binding loop restores the anti-proliferative, anti-angiogenic and anti-tumor activities of the N-terminal fragment of endostatin: Mechanistic and therapeutic insights](#)

Reyhane Chamani, S Mohsen Asghari, Ali Mohammad Alizadeh, Sedigheh Eskandari, Kamran Mansouri, **Reza Khodarahmi**, Majid Taghdir, Zahra Heidari, Ali Gorji, Alireza Aliakbar, Bijan Ranjbar, Khosro Khajeh, Vascular pharmacology

67. [Enhancement of thermal reversibility and stability of human carbonic anhydrase II by mesoporous nanoparticles](#)

A Khatibi, L Ma'mani, **R Khodarahmi**, A Shafiee, P Maghami, F Ahmad, ...
International journal of biological macromolecules 75, 67-72

66. Toxicity of Protein Oligomers Is Rationalized by a Function Combining Size and Surface Hydrophobicity

B. Mannini, E. Mulvihill, C. Sgromo, R. Cascella, **R. Khodarahmi**, M. Ramazzotti, C. M. Dobson, C. Cecchi, F. Chiti

ACS Chem. Biol., DOI: 10.1021/cb500505m

65. Spectroscopic Study of drug-binding characteristics of unmodified and pNPA-based acetylated human serum albumin: Does esterase activity affect microenvironment of drug binding sites on the protein?

Nastaran Moradi, Mohammad Reza Ashrafi-Kooshk, Sirous Ghobadi, Mohsen Shahlaei, **Reza Khodarahmi**, [Doi:10.1016/j.jlumin.2014.11.019](https://doi.org/10.1016/j.jlumin.2014.11.019), *Journal of Luminescence*.

64. Appearance and Disappearance of Chronic Myeloid Leukemia (CML) in Patient with Chronic Lymphocytic Leukemia (CLL)

Mehrdad Payandeh, Edris Sadeghi, **Reza Khodarahmi**, Masoud Sadeghi

International Journal of Hematology- Oncology and Stem Cell Research, 1 October 2014. Volume 8, Number 4, 49-53.

63. The efficacy of erlotinib as molecularly targeted maintenance therapy in advanced non-small-cell lung cancer (NSCLC): Case reports in western Iran

Mehrdad Payandeh, **Reza Khodarahmi**, Masoud Sadeghi, Edris Sadeghi

Journal of Solid Tumors, 2014, Vol. 4, No. 3, 38-44

62. Direct Evidence for Nonspecific Peroxidase Activity of "Ferritin-Heme" complex: Possible Role in the Development of Neurodegenerative Diseases.

Morteza Jaafari, Mohammad Reza Ashrafi Kooshk, Seyyed Mohsen Asghari, Ali Akbar Moosavi-Movahedi, Sirous Ghobadi, **Reza Khodarahmi**,

J. Iran. Chem. Society, DOI: 10.1007/s13738-014-0538-z.

61. Probing of possible olanzapine binding site on Human Serum Albumin: Combination of spectroscopic methods and molecular dynamics simulation

Reza Khodarahmi, Mohsen Shahlaei, Behnoosh Rahimi, Mohammad Reza Ashrafi-

Kooshk, Komail Sadrjavadi, *Journal of Luminescence* 158 (2015) 91-98

60. Purification and biochemical characterisation of glucoamylase from a newly isolated *Aspergillus niger*: Relation to starch processing

A. Bagheri, **R. Khodarahmi**, A. Mostafaie

Food chemistry, 2014, 161, 270-278

59. Application of radial basis function neural network and DFT quantum mechanical calculations for the prediction of the activity of 2-biarylethylimidazole derivatives as bombesin receptor subtype-3 (BRS-3) agonists

M. Shahlaei, A. Nowroozi, **R. Khodarahmi**

Medicinal Chemistry Research, 2014, 23, 8, 3681-3693

58. Evidence of human hemoglobin interaction and chorionic gonadotropin hormone: Prospects for the use of hemoglobin as ligand in affinity chromatography for the purification of the hormone

R. Khodarahmi, S. Maghsoodi, H. Rahi, K. Hamzehee, S. Zamaheni, E. Davarpanah

Journal of Paramedical Sciences, 2014, 5 (3)

57. The Role of Anionic Peptide Fragments in 1N4R Human Tau Protein Aggregation

M. Ali Nasiri Khalili, G. Riazi, S. Ahmadian, **R. Khodarahmi**, S. Khodadadi, A. Afrasiabi, O. Karima, F. Mokhtari, E. Hoveizi

Protein and peptide letters, 2014, 21 (6), 511-516

56. Does Long-Term Administration of a Beta-Blocker (Timolol) Induce Fibril-Based Cataract Formation In-vivo?

M.R. Nikbakht, M.R. Ashrafi-Kooshk, M. Ghasemi, **R. Khodarahmi**

Iranian Journal of Pharmaceutical Research, 2014, 13 (2), 599-611

55. A Combined DFT and QSAR Calculations to Study Substituted Biphenyl imidazoles as Bombesin Receptor Subtype-3 Agonists

M. Shahlaei, A. Nowroozi, **R. Khodarahmi**

Letters in Drug Design & Discovery, 2014, 11 (5), 665-676

54. Comparative spectroscopic studies on Curcumin Stabilization by Association to Bovine Serum Albumin and Casein: A perspective on drug-delivery application

M.M. Nadi, M.R. Ashrafi Kooshk, K. Mansouri, S.A. Ghadami, M. Amani, S. Ghobadi,
R. Khodarahmi

International Journal of Food Properties, 2014

53. [In vitro Anti-angiogenic Activity of Persian Shallot \(*Allium Hirtifolium*\) Extract Is Mediated Through Inhibition of Endothelial Cell Proliferation/Migration and Down-regulation of VEGF and MMP Expression](#)

D. Arshadi, K. Mansouri, **R. Khodarahmi**, P. Seyfi, Y. Shakiba, A. Mostafaie

Journal of Reports in Pharmaceutical Sciences (J. Rep. Pharm. Sci.), 2014, 3 (1), 65-78

52. [Antioxidant status in patients with psoriasis](#)

H. Nemati, **R. Khodarahmi**, M. Sadeghi, A. Ebrahimi, M. Rezaei, A. Vaisi-Raygani

Cell Biochem Funct 2014, 32: 268-273

51. [Proteins expression clustering of Alzheimer disease in rat hippocampus proteome](#)

H. Zali, M.R. Tavirani, F.A. Jalilian, **R. Khodarahmi**

Journal of Paramedical Sciences, 2014, 4 (3)

50. [Protective effects of accompanying proteins on light-and water-mediated degradation of Curcumin](#)

F. Mirzaee, M.R.A. Kooshk, M. Rezaei-Tavirani, **R. Khodarahmi**

Journal of Paramedical Sciences, 2014, 5 (1)

49. [Anovel, efficient, fast and inexpensive DNA extraction protocol from whole blood applicable for studying drug-DNA interaction](#)

M. T. Moradi, K. Yari, **R. Khodarahmi**

Journal of reports in pharmaceutical science, 2014, 3(1), 79-83

48. [Mushroom tyrosinase inhibition by benzaldehyde derivatives](#)

S. Maghsoudi, H. Adibi, M. Hamzeh, M. R. Ashrafi, M. Rezaei-Tavirani, **R.**

Khodarahmi

Journal of reports in pharmaceutical science, 2013, 2(2), 67-75

47. [Spectroscopic study of interaction between osthole and human serum albumin: identification of possible binding site of the compound](#)

N. Bijari, Y. Shokoohinia, M.R. Ashrafi-Kooshk, S. Ranjbar, S. Parvaneh, M. Moieni-Arya, ***R. Khodarahmi***

Journal of Luminescence, 2013, 143, 328-336

46. [Studies of the Interaction between Isoimperatorin and Human Serum Albumin by Multispectroscopic Method: Identification of Possible Binding Site of the Compound Using Esterase Activity of the Protein](#)

S. Ranjbar, Y. Shokoohinia, S. Ghobadi, N. Bijari, S. Gholamzadeh, N. Moradi, M.R. Ashrafi-Kooshk, A. Aghaei, ***R. Khodarahmi***

The Scientific World Journal, 2013

45. [Molecular Chaperones or Amyloid-binding compounds? Perspective on Their Application as Possible Therapeutic Agents in Reduction of Cytotoxicity of Amyloid Oligomers](#)

R. Khodarahmi

Journal of Reports in Pharmaceutical Sciences, 2013, 2 (2), 205-206

44. [Carbonic Anhydrases: Battlefield for Enzyme Inhibitor and Activator Drugs?](#)

R. Khodarahmi

Journal of Paramedical Sciences, 2013, 4 (4)

43. [Methylentetrahydrofolatereductase \(rs1801133\) polymorphism and psoriasis: contribution to oxidative stress, lipid peroxidation and correlation with vascular adhesion protein 1, preliminary report](#)

M. Asefi, A. Vaisi-Raygani, ***R. Khodarahmi***, H. Nemati, Z. Rahimi, H. Vaisi-Raygani, H. Tavailani, T. Pourmotabbed

Journal of the European Academy of Dermatology and Venereology, 2013

42. [In Vitro Anti-Cancer Activity of Native Curcumin and "Protein-Curcumin" Systems: A Perspective on Drug-Delivery Application](#)

M.R. Ashrafi Kooshk, K. Mansouri, M.M. Nadi, S. Khodarahmi, **R. Khodarahmi**

Journal of Reports in Pharmaceutical Sciences, 2013, 2 (1), 66-74

41. [Appraisal of sildenafil binding on the structure and promiscuous esterase activity of native and histidine-modified forms of carbonic anhydrase II](#)

H. Mahdiuni, N. Bijari, M. Varzandian, S.A. Ghadami, M. Khazaei, M.R. Nikbakht, **R. Khodarahmi**

Biophysical chemistry, 2013, 175, 1-16

40. [Synthesis and investigation of antioxidant activities of 2-benzylidene-3-coumaranones](#)

H. Adibi, A. Foroumadi, **R. Khodarahmi**, K. Najafi, M. Rezaei-Tavirani

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38. [Modified \$\beta\$ -casein restores thermal reversibility of human carbonic anhydrase II: The salt bridge mechanism](#)

A. Fallah-Bagheri, A.A. Moosavi-Movahedi, M. Taghizadeh, **R. Khodarahmi**, L. Mamani, N. Bijari, M. Bohlooli, A. Shafiee, N. Sheibani, A.A. Saboury

Biotechnology and applied biochemistry, 2013, 60 (3), 298-304

37. [Synthesis of 4-Aryl-4H-Chromene Derivatives with Boric Acid: Evaluation of Their in vitro Anti-Angiogenesis Effects and Possible Mechanism of Action](#)

H. Adibi, **R. Khodarahmi**, K. Mansouri, M. Khaleghi, S. Maghsoudi

35. [Molecular approaches in obesity studies](#)

M. Zamanian-Azodi, R. Vafaei, T. Azodi, R. Omid, S. Gilanchi, F. Azizi-Jalilian, **R. Khodarahmi**

Gastroenterology and Hepatology from bed to bench, 2013, 6 (Suppl 1), S23

36. [Synthesis and in vitro characterization of some benzothiazole-and benzofuranone- derivatives for quantification of fibrillar aggregates and inhibition of amyloid-mediated peroxidase activity](#)

S.A.Ghadami, Z. Hossein-pour, **R. Khodarahmi**, S. Ghobadi, H. Adibi,

Medicinal Chemistry Research, 2013, Vol 22, page 115-126.

35. [Effect of essential oil of rosa damascena on human colon cancer cell line SW742](#)

M. Rezaie-Tavirani, S. Fayazfar, S. Heydari-Keshel, M.B. Rezaee, M. Zamanian-Azodi, M. Rezaei-Tavirani, **R. Khodarahmi**

Research Institute for Gastroenterology and Liver Diseases, 2013, vol 6, pages 25

34. [Comparative evaluation of amphotericin B binding to the native and modified forms of rice lipid-transfer protein: a possible perspective on improving the drug-binding affinity and specificity](#)

S. Maghsoudi, M.R. Ashrafi-Kooshk, M. Shahlaei, S.A. Ghadami, S. Ghobadi, A. Mostafaie, **R. Khodarahmi**

Journal of the Iranian Chemical Society, 2013, DOI 10.1007/s13738-013-0231-7.

33. [Antibacterial effects of Scrophularia striata seed aqueous extract on staphylococcus aureus](#)

M. Zamanian-Azodi, A. Ardeshty Lajimi, N. Ahmadi, M.B.Rezaee, F. Jalalian, **R.Khodarahmi**

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32. [An in vitro model for spontaneous angiogenesis using rat mesenteric endothelial cells: Possible therapeutic perspective for obesity and related disorders](#)

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31. [Serum lipid profile in psoriatic patients in Kermanshah: a survey on vascular adhesion protein-1](#)

H. Nemati, **R. Khodarahmi**, M. Sadeghi, A. Rahmani, M. Rezaei

ZJRMS, 2013, 15(2), 8-10

30. [Seventeen years of science production among researchers of Kermanshah University of Medical sciences \(1995-2011\) based on Web of Science \(WOS\)](#)

F. Foroughi, K. Hamzehee, A. Foroughinia, F. Najafi, **R. Khodarahmi**, A. Saleki
Journal of Kermanshah University of Medical Sciences, 2012, 16 (7), 549-56

29. [Structural and functional impacts of albumin oxidation by hypochlorite: possible changes in drug binding characteristics upon myeloperoxidase-mediated oxidation in vivo](#)

M.R. Ashrafi Kooshk, **R. Khodarahmi**, S.A. Karimi, M.R. Nikbakht,
Journal of Reports in Pharmaceutical Sciences, 2012, vol 1, pages 80-92.

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