

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Curriculum Vitae

Azadeh Ebrahim-Habibi

Present position and professional address:

Professor

Molecular Modeling Group

Endocrinology and Metabolism Research Institute

Tehran University of Medical Sciences (TUMS)

Tehran , 1411413137,Iran

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Education:

1990 : Diploma in Experimental (Natural) Sciences

Tehran, Iran

1997: Doctor of Pharmacy (Pharm.D.)

School of Pharmacy of the Azad University , Tehran, Iran

G.P.A. of 16.81/20

Thesis title: Isolation of L-asparaginase from *Erwinia carotovora* , supervisor: Dr. Nasrin Moazami , accepted with “Excellent” grade.

2004: Doctor of Philosophy (Ph.D. in biochemistry)

Institute of Biochemistry and Biophysics (IBB), University of Tehran

G.P.A. of 17.41/20

Thesis title: Chemical modification and its effect on enzymes from the alpha-amylase family, supervisor: Prof. Mohsen Nemat-Gorgani, accepted with “Excellent” grade.

2006-2007 : Post-doctoral project

Molecular modeling (homology modeling of a glucosidase enzyme), with Professor Hans-Dieter Hoeltje, Institut für Pharmazeutische und Medizinische Chemie, Pharmacy School of the Heinrich-Heine University, Duesseldorf, Germany.

Honors and Awards:

- Ranked second between fellow students of the Pharm.D. program (1992 class)
- Ranked first Biochemistry Ph.D. candidate of IBB in 2004

Languages:

- Persian (native)
- French (close to native)
- English (written, read, spoken)
- German [Zertifikat Deutsch, grade: 1 (very good)]

Participation in workshops and trainings:

- Research Methodology and Research in Pharmaceutical Sciences Workshops, Endocrinology and Metabolism Research Center, Shaheed Beheshti University of Medical Sciences, Tehran, Iran, January 30-February 5, 1999
- Drug Discovery Technology Europe- IBC Life Sciences , London, UK, March 15-16, 2005.
- GMP and Quality Assurance (1) : presented by WHO expert, SOHA2 Pharmaceutical Factory, MPO (Red Crescent Society), Iran, , April 25-May 2, 2005
- GMP and Quality Assurance (2) : presented by WHO expert, SOHA2 Pharmaceutical Factory, MPO (Red Crescent Society), Iran,), December 17-22, 2005
- Application of nanotechnology in drug delivery, Science School of Geneva University and Iran Polymer & Petrochemical Institute, Iran, September 11-12, 2005
- Summer School on Drug Design , Department of Medicinal Chemistry, University of Vienna , Austria, September 16-21, 2007
- IPM-NUS workshop on analysis and application of protein interactions networks, IPM (Institute for Research in Fundamental Sciences), Tehran, Iran, November 17-18, 2008
- Chemical Computing Group MOE workshop, University of Strasbourg, France, April 27-29, 2009
- Applied statistics in Medical Research and the usage of SPSS software, Endocrinology and Metabolism Research Center, TUMS, Tehran, Iran, June 3rd&11, 2009
- Chemometrics principles and applications in pharmaceuticals analysis, Pharmacy School of Tehran University of Medical Sciences, Tehran, Iran, May5-July23 (60 hours), 2009
- Electronic Learning in Medical Education, Tehran University of Medical Sciences, Tehran, Iran, May 9, 2012
- 3rd Strasbourg Summer School on Chemoinformatics- Strasbourg, France, 25-29 June 2012
- SVL (programming language) workshop, part of UGM & Conference 2013 Europe, Amsterdam, The Netherlands, April 10 - 11, 2013
- Atomistic Monte Carlo Simulations of Bio-molecular Systems , Jülich Research Center, Germany , September 15-19, 2014

- **Teaching Experience:**
 - "Introduction to Molecular Modeling" Workshops; May-June 2016 (80 hours)
 - Proposal, preparation, and teaching of a course entitled: "Basics of Molecular Modeling (Structural Bioinformatics) and its application in biochemistry and pharmacy, theory and practice (for Ph.D. candidates) (Second semester of academic year 2014-2015) , Tehran University of Medical Sciences
 - Advanced Molecular Biology course (Ph.D. course) for the Ph.D. candidates of Medical Biotechnology, School of Pharmacy, Tehran University of Medical Sciences (2013-2014, and 2012-2013)
 - Enzymology, Enzymes Mechanism of Action, Introduction to Medicinal Chemistry, Special Topics in Biochemistry as courses for the M.Sc. and Ph.D. of Biochemistry programs of the Science and Research Branch of the Azad University (2007-2009).

Supervision and advisory works for MS.c. and Ph.D. thesis :

Supervision

1. Ph.D.

1. Investigation of the effect of several natural compounds on the activity of alpha amylase and level of blood sugar in diabetic rats. **Biochemistry, Ph.D. Thesis.(co-supervisor)**2010
2. Immobilization of glucose oxidase on bovine serum albumin amyloid nanofibrils. **Biochemistry, Ph.D. Thesis.(co-supervisor)**2012
3. Molecular modeling study on the interaction of non peptidic inhibitors of alpha-amylase
a. with this enzyme. **Biochemistry, Ph.D. Thesis.(co-supervisor)**2012
4. Investigation of the structure and function of modified insulin in NMRI mice. **Biochemistry, Ph.D. Thesis.(co-supervisor)**2013
5. A study on the combined effects of artificial sweeteners (fructose and inulin) and green tea on obese NMRI mice and expression of alpha-amylase gene. **Physiology, Ph.D. Thesis.(co-supervisor)**2015
6. Effect of natural compounds (thymol, acarbose, chalcone), and thioflavin T on biochemical and histological parameters of obese NMRI mice. **Physiology, Ph.D. Thesis.(co-supervisor)**2015
7. Site-directed mutagenesis on lipase gene of *Serratia marcescens* isolated from the Caspian sea, in order to investigate thermal stability of the enzyme. **Medical Biotechnology, Ph.D. Thesis.(co-supervisor)**2016
8. Study on the effects of *Trans*-chalcone and thymol on atheroma plaque and expression of adiponectin in male NMRI mice fed with high-cholesterol diet. **Physiology, Ph.D. Thesis.(co-supervisor)**2016
9. Developing Sweet Taste Receptor Model and Investigating the Interactions of the Receptor with Specific Ligands by Molecular Modeling Methods. **PhD by research, Molecular Medicine Thesis** (2019)

2. M.Sc.

1. Study on the inhibitory effect of polyphenolic compounds on alpha-amylase enzymes from *Aspergillus oryzae*, *Sus scrofa* and *human saliva*. **Biochemistry, M.Sc. Thesis.** 2008
2. Molecular modeling studies on bacterial acetate kinase: studying the active site and design of inhibitors. **Biochemistry, M.Sc. Thesis.** 2009
3. Chemical modification of the lysine residue of bovine insulin and studying modified protein structure and aggregation *in vitro*. **Biochemistry, M.Sc. Thesis.** 2009
4. Study on the effect of natural compounds on amyloid formation of insulin. **Biotechnology, M.Sc. Thesis. (co-supervisor).** 2010
5. Structural studies on amyloid formation of polygalacturonase and human albumin. **Biochemistry, M.Sc. Thesis** 2010
6. Comparative study of organic solvents effect on insulin aggregation. **Biochemistry, M.Sc. Thesis.** 2010
7. Study on the effects of some phenol and purine compounds on alpha-amylase activity using a direct kinetic assay. **Biochemistry, M.Sc. Thesis.**2011
8. Molecular modeling and *in vitro* study on proposed lipase inhibitors. **Biochemistry, M.Sc. Thesis.**2011
9. Molecular modeling and *in vitro* studies on proposed inhibitors of bacterial alpha-amylase. **Biochemistry, M.Sc. Thesis.**2012

10. Effect of precursors of melatonin hormone on the Alloxan induced diabetic rats. **Physiology, M.Sc. Thesis.** 2012 (co-supervisor)
11. Effect of some indole derivatives in polycystic ovary syndrome induced in Wistar rats.
 - a. **Physiology, M.Sc. Thesis.** 2012 (co-supervisor)
12. Study on the effect of indole, trans-chalcone and iodipamide on an Alzheimer's model of Wistar rats. **Physiology, M.Sc. Thesis.** 2012 (co-supervisor)
13. Study on the expression of alpha-amylase gene with Real-time PCR in the hepatic tissue of normal and obese mice **Physiology, M.Sc. Thesis.** 2012 (co-supervisor)
14. Molecular dynamics simulation of native and glycosylated forms of myoglobin and study of the glycation reaction of some amino acids by DFT method. **Physical Chemistry, M.Sc. thesis.** 2013 (co-supervisor)
15. Study on the aggregation of porcine pancreatic lipase in the presence of citral, thymol and proline. **Biochemistry, M.Sc. Thesis.** 2013 (co-supervisor)
16. Study on aromatic compounds effects on the activity of alpha-amylase in bovine serum. **Biochemistry, M.Sc. Thesis.** 2013
17. Caffeine effect on gene expression of alpha-amylase in hepatic tissue of NMRI mice. **Physiology, M.Sc. Thesis.** 2013
18. A molecular modeling study on the effects of V255M, E127W, and E276Q mutations on the structure of HNF4 alpha. **Biophysics, M.Sc. Thesis.** 2013 (co-supervisor)
19. Effect of thymol and ThT in the treatment of PCOS in female Wistar rats. **Physiology, M.Sc. Thesis.** 2014 (co-supervisor)
20. Effect of acetophenone derivatives on obesity in obese male Wistar rats. **Physiology, M.Sc. Thesis.** 2014 (co-supervisor)
21. Design and synthesis of benzilidene-benzofuranone derivatives as analogs of flavones and flavonols. **Pharm.D.** 2014 (co-supervisor)
22. Comparison of sequence and structure of neuropeptide Y in a number of mammals with the use of structural bioinformatics methods. **Physiology, M.Sc. Thesis.** 2014
23. Study on the effects of 2,6-diisopropyl phenol, chlorpropamide and cumyl phenol on the formation of Alzheimer's disease amyloid plaques, with the use of histological methods in male Wistar rats. **Physiology, M.Sc. Thesis.** 2014 (co-supervisor)
24. Study on the effects of hydro-alcoholic extract of green tea on the expression of hepatic alpha-amylase gene in obese mice. **Molecular and Cellular Sciences, M.Sc. Thesis.** 2014 (co-supervisor)
25. Study on the protective and treating effects of cymene and metformine in NMRI male rats fed with a high-fat diet. **Physiology, M.Sc. Thesis.** 2014 (co-supervisor)
26. Thioflavin T effect on memory and PAL in Wistar rats. **Physiology, M.Sc. Thesis.** 2015 (co-supervisor)
27. Tryptophan and tryptamin effect on atheroma plaque formation in male rabbits. **Physiology, M.Sc. Thesis.** 2015 (co-supervisor)
28. Thymol effect on breast cancer induced in Wistar rats. **Physiology, M.Sc. Thesis.** 2015 (co-supervisor)
29. Thioflavin T effect on leptin and adiponectin and hepatic histological parameters in male NMRI mice fed with a high-fat diet. **Physiology, M.Sc. Thesis.** 2015 (co-supervisor)
30. Glycyrrhizic acid and Bisphenol A effect on biochemical and histological parameters of ovaries in Wistar rats with PCOS **Physiology, M.Sc. Thesis.** 2015 (co-supervisor)
31. Study on the effects of methocarbamol and carbamazepine on the formation of Alzheimer's disease amyloid plaques, with the use of histological methods in male Wistar rats. **Physiology, M.Sc. Thesis.** 2015 (co-supervisor)

32. Eugenol effects on the formation of amyloid plaques in male Wistar rats. **Physiology, M.Sc. Thesis.** 2015 (co-supervisor)
33. Study on surface or secondary binding sites in glycoside hydrolases. **Biophysics, M.Sc. Thesis.** 2016(co-supervisor)

Advisor of Ph.D. thesis:

- Induction of amyloid aggregation of bovine alpha-chymotrypsin and biochemical and biophysical characterization of its intermediate structures. **Biochemistry, Ph.D. Thesis.** 2007
- Induction and characterization of intermediate structures in glutamate dehydrogenase leading to its aggregation. **Biochemistry, Ph.D. Thesis.** 2008
- A comparative study on amyloid fibril formation in apo and holo bovine carbonic anhydrase II. **Biochemistry, Ph.D. Thesis.**2012
- Molecular mechanic simulation and immobilization of herceptin as therapeutic antibody on carbon nanotubes.**Biochemistry, Ph.D. Thesis.**2012
- A study on the effects of nanostructures of abeta peptide (35-35 segment) on brain mitochondria in the presence and absence of polyphenol and indole molecules. **Biochemistry, Ph.D. Thesis.**2014
- Comparison of stability of the solute and liposomal forms of azithromycin in aqueous environment. **Biophysics, Ph.D. Thesis.**2014
- Design of new mutants of Hirudin III variants to attenuate antigenicity: construction and expression of mutants in *E.Coli*. **Biochemistry, Ph.D. Thesis.**2015

Advisor to 26 M.Sc. theses (Biochemistry, Biophysics, Physiology) between 2008-2015.

Membership in societies:

- Iran Society of Biophysical Chemistry (From 2014, member of the board of directors)
- Iran Bioinformatics Society
- Iran Endocrine Society

Editorial Membership:

- Section Editor in the Journal of Diabetes and Metabolic Disorders (JDMD)

Work and academic experiences:

- Researcher at the R&D section of MPO (Medical Procurement Organization of the Iranian Red Crescent Society) 1998-2006
- Research Associate at the Institute of Biochemistry and Biophysics, University of Tehran, Iran. 2004-2008

- Assistant Professor (Biochemistry) at the Science and Research Branch of Azad University. 2006-2008
- Assistant Professor and in charge of the Molecular Modeling Group of the Endocrinology and Metabolism Research Institute of the Tehran University of Medical Sciences. 2008-2012.
- Associate Professor and in charge of the Molecular Modeling Group of the Endocrinology and Metabolism Research Institute of the Tehran University of Medical Sciences. 2012-2016
- Professor and in charge of the Molecular Modeling Group of the Endocrinology and Metabolism Research Institute of the Tehran University of Medical Sciences. 2016-
- International Affairs head of the Endocrinology and Metabolism Research Institute of the Tehran University of Medical Sciences (2015-present)

Scientometrics (Google Scholar)

All

Citations: 1217; h-index: 18 ; i10-index: 37

Since 2014

Citations: 849; h-index: 15 ; i10-index: 28

Publications

90. Monocyclic phenolic compounds stabilize human insulin and suppress its amorphous aggregation: In vitro and in vivo study. **S Haghighi-Poodeh, L Navidpour, P Yaghmaei, A Ebrahim-Habibi.** Biochemical and biophysical research communications (2019) 518 (2), 362-367

89. Virtual Screening of Henna Compounds Library for Discovery of New Leads against Human Thymidine Phosphorylase, an Overexpressed Factor of Hand-Foot Syndrome. **D Khodabakhshi-Javinani, A Ebrahim-Habibi, M Afshar, L Navidpour.** Letters in Drug Design & Discovery (2019) 16 (6), 625-636

88. Inhibition of amyloid fibrillation of apo-carbonic anhydrase by flavonoid compounds. **A Es-haghi, A Ebrahim-Habibi.** Journal of biosciences (2019) 44 (2), 46

87. Introducing a New Model of Sweet Taste Receptor, a Class C G-protein Coupled Receptor (C GPCR). **E Kashani-Amin, A Sakhteman, B Larijani, A Ebrahim-Habibi.** Cell biochemistry and biophysics, (2019) 1-17

86. Amino Acids as Additives against Amorphous Aggregation: In Vitro and In Silico Study on Human Lysozyme. **N Saadati-Eskandari, L Navidpour, P Yaghmaei, A Ebrahim-Habibi.** Applied biochemistry and biotechnology, (2019) 1-13

85. Effects of Eugenol on Alzheimer's Disease-like Manifestations in Insulin-and A β -Induced Rat Models. **P Taheri, P Yaghmaei, HS Tehrani, A Ebrahim-Habibi**. *Neurophysiology* (2019) 51 (2), 114-119
84. Aurones as New Porcine Pancreatic α -Amylase Inhibitors. **K Roshanzamir, E Kashani-Amin, A Ebrahim-Habibi, L Navidpour**. *Letters in Drug Design & Discovery* (2019) 16 (3), 333-340
83. Influence of dendrimer surface chemistry and pH on the binding and release pattern of chalcone studied by molecular dynamics simulations. **F Badalkhani-Khamseh, A Ebrahim-Habibi, NL Hadipour**. *Journal of Molecular Recognition* (2019) 32 (1), e2757
82. The Effects of Betanin of Beetroot in Polycystic Ovary Syndrome Induced Rat. **H Montazeri, M Safavi, A Ebrahim-Habibi, P Yaghmaei**. *Journal of Medicinal Plants* (2018) 4 (68), 74-81
81. Role of Cymene in the attenuation of fatty liver and UCP2 gene expression. **H Bagheri, P Yaghmaei, M Modaresi, A Ebrahim-Habibi, M Sabbaghian**. *Medical Science* (2018) 22 (90), 232-242
80. Effects of thymol on amyloid- β -induced impairments in hippocampal synaptic plasticity in rats fed a high-fat diet. **M Asadbegi, A Komaki, I Salehi, P Yaghmaei, A Ebrahim-Habibi, ...** *Brain research bulletin* (2018) 137, 338-350
79. A systematic review on popularity, application and characteristics of protein secondary structure prediction tools. **E Kashani-Amin, O Tabatabaei-Malazy, A Sakhteman, B Larijani, A Ebrahim-Habibi**. *Current drug discovery technologies* (2018)
78. Acetylation of lysine residues in apomyoglobin: Structural changes, amyloid fibrillation, and role of surface charge. **M Azami-Movahed, AA Meratan, A Ghasemi, A Ebrahim-Habibi, ...** *International journal of biological macromolecules* (2018) 107, 626-634
77. Citral effect in male NMRI mice nonalcoholic steatosis model: assessing biochemical and histological parameters and PPAR α gene expression. **M Vaezi, P Yaghmaei, N Hayati-Roodbari, S Irani, A Ebrahim-Habibi**. *Brazilian Journal of Pharmaceutical Sciences* (2018) 54 (3)
76. Astaxanthin effectiveness in preventing multiple sclerosis in animal model. **S Bidaran, AR Ahmadi, P Yaghmaei, MH Sanati, A Ebrahim-Habibi**. *Bratislavske lekarske listy* (2018) 119 (3), 160-166
75. Silver nano particles ameliorate learning and spatial memory of male Wistar rats by prevention of amyloid fibril-induced neurotoxicity. **H Ramshini, AS Moghaddasi, LS Aldaghi, N Mollania, A Ebrahim-Habibi**. *Arch. Ital. Biol* (2017) 155, 131-141
74. Atomistic computer simulations on multi-loaded PAMAM dendrimers: A comparison of amine- and hydroxyl-terminated dendrimers. **F Badalkhani-Khamseh, A Ebrahim-Habibi, NL Hadipour**. *Journal of computer-aided molecular design* (2017) 31 (12), 1097-1111

73. Effect of Organic Solvents on Porcine Pancreatic Lipase Thermal Aggregation. **M Vaezzadeh, M Sabbaghian, P Yaghmaei, A Ebrahim-Habibi**. Protein and peptide letters (2017) 24 (10), 955-961
72. Complexation of nicotinic acid with first generation poly (amidoamine) dendrimers: A microscopic view from density functional theory. **F Badalkhani-Khamseh, A Bahrami, A Ebrahim-Habibi, NL Hadipour**. Chemical Physics Letters (2017) 684, 103-112
71. Indole-based derivatives effect on rats with polycystic ovary syndrome. **P Yaghmaei, B Dehestani, S Ghorbani, F Abbasi, A Ebrahim-Habibi**. Journal of Pharmaceutical Investigation (2017) 47 (5), 439-444
70. Characterization of surface binding sites in glycoside hydrolases: A computational study. **S Samaei-Daryan, B Goliaei, A Ebrahim-Habibi**. Journal of Molecular Recognition (2017) 30 (9), e2624
69. Therapeutic protein deimmunization by T-cell epitope removal: antigenspecific immune responses in vitro and in vivo. **S Asgari, A Ebrahim-Habibi, M Mahdavi, M Choopani, H Mirzahoseini**. Apmis (2017) 125 (6), 544-552
68. Human Serum Albumin Structure in Presence of Different Concentrations of Cortisol and Glucose: An In Vitro Modeling Under Normal and Hyperglycemic Conditions. **P Amini-Geram, F Goshadrou, A Ebrahim-Habibi, P Yaghmaei, ...** Iranian Red Crescent Medical Journal (2017) 19 (3)
67. Investigation of thymol effect on learning and memory impairment induced by intrahippocampal injection of amyloid beta peptide in high fat diet-fed rats. **M Asadbegi, P Yaghmaei, I Salehi, A Komaki, A Ebrahim-Habibi**. Metabolic brain disease (2017) 32 (3), 827-839
66. Liver alpha-amylase gene expression as an early obesity biomarker. **Mojbafan M, Afsartalaa Z, M. Amoli M, Mahmoudi M, Yaghmaei P, Larijani B, Ebrahim-Habibi A**. Pharmacological Reports (2017) 69 (2), 229-234
65. Structure and function of anhydride-modified forms of human insulin: In silico, in vitro and in vivo studies. **Chinisaz M, Ebrahim-Habibi A, Dehpour AR, Yaghmaei P, Parivar K, Moosavi-Movahedi AA**. Chinisaz M, Ebrahim-Habibi A, Dehpour AR, Yaghmaei P, Parivar K, Moosavi-Movahedi AA. European Journal of Pharmaceutical Sciences (2017: DOI:10.1016/j.ejps.2016.09.030) (corresponding Author)
64. Bis(indolyl)phenylmethane derivatives are effective small molecules for inhibition of amyloid fibril formation by hen lysozyme. **Ramshini H, Mannini B, Khodayari K, Ebrahim-Habibi A, Moghaddasi AS, Tayebae R, Chiti F**. European Journal of Medicinal Chemistry(2016:DOI: 10.1016/j.ejmech.2016.08.056)
63. Amyloid-like aggregates formation by bovine apo-carbonic anhydrase in various alcohols: A comparative study. **Es-Haghi A, Ebrahim-Habibi A, Sabbaghian M, Nemat-Gorgani M**. International Journal of Biological Macromolecules(2016:DOI: 10.1016/j.ijbiomac.2016.07.083)

62. Enhancing activity and thermostability of lipase A from *Serratia marcescens* by site-directed mutagenesis. **Mohammadi M, Sepehrizadeh Z, Ebrahim-Habibi A, Shahverdi AR, Faramarzi MA, Setayesh N.** *Enzyme and Microbial Technology*(2016:DOI: 10.1016/j.enzmictec.2016.07.006)
61. Turmeric effect on subcutaneous insulin-induced amyloid mass: an in vivo study. **Kheirbakhsh R, Chinisaz M, Amanpour S, Amini S, Khodayari S, Khodayari H, Dilmaghanian A, Haddadi M, Ebrahim-Habibi A***. *Drug and Chemical Toxicology*(2016:DOI:10.3109/01480545.2016.1163575) (corresponding Author).
60. Effect of trans-chalcone on atheroma plaque formation, liver fibrosis and adiponectin gene expression in cholesterol-fed NMRI mice. **Karkhaneh L, Yaghmaei P,*, Parivar K, Sadeghizadeh M, Ebrahim-Habibi A*** *Pharmacological Reports* 2016. 68(4):720-7 (co-corresponding Author).
59. Effect of inulin supplementation in male mice fed with high fat diet on biochemical profile and α -amylase gene expression **Pouyamanesh Z, Amoli MM, Yaghmaei P and Ebrahim-Habibi A***, *Tropical Journal of Pharmaceutical Research* 2016. 15 (6): 1197-1203
58. Neuroprotective effects of metformin against A β -mediated inhibition of long-term potentiation in rats fed a high-fat diet. **Asadbegi M, Yaghmaei P, Salehi I, Ebrahim-Habibi A, Komaki A.** *Brain Research Bulletin*. 2016. 121 : 178–185
57. Structural and dynamic insight into hirudin epitopes-HLA-DRB1 0101 complexes and their modified peptide ligands: A molecular dynamic simulation study. **Asgari S, Mirzahoseini H, Karimipour M, Ebrahim-Habibi A.** *Tropical Journal of Pharmaceutical Research*. 2015, Dec, 14(12): 2171-2178.
56. Molecular investigation of WFS1 gene exon 8 in Iranian patients with Wolfram syndrome. **Abbasi R, Bitarafan F, Khodaeian M, Ebrahim-Habibi A, Abbasi F, Amoli MM.** *International Journal of Diabetes in Developing Countries*. 2016 (March), 36(1): 75-80
55. Rational design of stable and functional Hirudin III mutants with lower antigenicity. **Asgari S, Mirzahoseini H*, Karimipour M, Rahimi H, Ebrahim-Habibi A***. *Biologicals*. 2015 Nov;43(6):479-91
54. Acarbose and the thermal aggregation of *Bacillus amyloliquefaciens* alpha-amylase (BAA): protective effect of an inhibitor. **Shojaee H, Sabbaghian M*, Ebrahim-Habibi A***. *Journal of Chemical Technology and Biotechnology*. 2016; 91: 1397–1402
53. Bacterial expression and characterization of an active recombinant lipase A from *Serratia marcescens* with truncated C-terminal region. **Mohammadi M, Sepehrizadeh Z, Ebrahim-Habibi A, Shahverdi AR, Faramarzi MA, Setayesh N.** *Journal of Molecular Catalysis B: Enzymatic*. 2015 October; 120: 84–92
52. Inhibition of amyloid fibril formation and cytotoxicity by a chemical analog of curcumin as a stable inhibitor. **Ramshini H., Mmohammad-Zadeh M., Ebrahim-Habibi A.** *International Journal of Biological Macromolecules*. 2015 Jul;78:396-404.

51. UV spectrophotometric determination and validation of hydroquinone in liposome. **Khoshneviszadeh R., Bazzaz BSF., Housaindokht MR, Ebrahim-Habibi A., Rajabi O.** Iranian Journal of Pharmaceutical Research. 2015. 14(2):473-478.
50. Injection of insulin amyloid fibrils in the hippocampus of male Wistar rats : report on memory impairment and formation of amyloid plaques. **Kheirbakhsh R, Chinisaz M, Khodayari S, Amanpour S, Dehpour AR, Muhammadnejad A, Larijani B, Ebrahim-Habibi A***. Neurological Sciences. 2015. Aug;36(8):1411-6. (corresponding Author)
49. Segregation of a novel homozygous 6 nucleotide deletion in GLUT2 gene in a Fanconi-Bickel syndrome family. **Abbasi F, Azizi F, Javaheri M, Mosallanejad A, Ebrahim-Habibi A, Ghafouri-Fard S.** Gene. 2015. 557(1):103-5.
48. Effect of neohesperidin dihydrochalcone on the activity and stability of alpha-amylase: a comparative study on bacterial, fungal, and mammalian enzymes. **Kashani-Amin E, Ebrahim-Habibi A*, Larijani B, Moosavi-Movahedi AA.** Journal of Molecular Recognition. 2015 Oct;28(10):605-13(corresponding Author)
47. Structural stability of myoglobin and glycomyoglobin: A comparative molecular dynamics simulation study. **Alizadeh-Rahrovi J, Shayesteh A*, Ebrahim-Habibi A*** Journal of Biological Physics. 2015; 41:349-366.(co-corresponding Author)
46. Thioflavin T effect in diabetic Wistar rats: Reporting the antihyperglycemic property of an amyloid probing dye. **Najafian, M., Amini, S., Dehestani, B., Parivar, K., Ebrahim-Habibi, A*.** Pharmacological Reports. 2015 ; 67 : 364-369. (corresponding Author).
45. Interaction of A β (25-35) Fibrillation Products with Mitochondria: Effect of Small-Molecule Natural Products. **GhobehM, Ahmadian S, Meratan AA, Ebrahim-HabibiA, Ghasemi A, Shafizadeh M, Nemat-Gorgani M.** Biopolymers: Peptide Science. 2014 Nov;102(6):473-86. doi: 10.1002/bip.22572
44. A novel missense mutation in oncostatin m receptor Beta causing primary localized cutaneous amyloidosis. **Saedi M, Ebrahim-Habibi A, Haghighi A, Zarrabi F, Amoli MM, Robati RM.** Biomed Research International. 2014;2014:653724. doi: 10.1155/2014/653724
43. Applications of molecular modeling in endocrinology (Review article). **Ebrahim-Habibi A., Larijani B.** Iranian Journal of Public Health. 2014, 43 (SUPPL. 1): 83 - 93
42. A new missense mutation in FGF23 gene in a male with hyperostosis-hyperphosphatemia syndrome (HHS). **Abbasi, F., Ghafouri-Fard, S., Javaheri, M., Dideban, A., Ebrahimi, A., Ebrahim-Habibi, A.** Gene. 2014, 542(2): 269 – 271.
41. Generating local amyloidosis in mice by subcutaneous injection of human insulin amyloid. **Chinisaz M, Ebrahim-Habibi A, Yaghmaei P, Parivar K, Dehpour A-R.** Experimental and Therapeutic Medicine. 2014,8(2):405-408
- 40- A molecular modeling study on full length insulin: insight into initial events of amyloid formation. **Chinisaz M, Larijani B, Ebrahim-Habibi A***. Structural Chemistry. 2014, 25(4): 1175-1185. (corresponding Author)

- 39-Silymarin effect on amyloid β plaque accumulation and gene expression of APP in an Alzheimer's disease rat model. **Yaghmaei P. ***, **Azarfar K.**, **Dezfulian M.**, **Ebrahim-Habibi A***. DARU Pharmaceutical Journal. 2014, 22:24. (co-corresponding Author) [**Highly Accessed**]
- 38- Indole and trans-chalcone attenuate amyloid beta plaque accumulation in male Wistar rat: *in vivo* effectiveness of two anti-amyloid scaffolds. **Yaghmaei P.**, **Kheirbakhsh R.**, **Dezfulian M.**, **Haeri-Rohani A.**, **Larijani B.**, **Ebrahim-Habibi A***. Archives Italiennes de Biologie. 2013.151 (3):106-113; (corresponding Author)
- 37-Ectopic Cushing syndrome associated with thymic carcinoid tumor as the first presentation of MEN1 syndrome-report of a family with MEN1 gene mutation. **Hasani-Ranjbar S.**, **Rahmanian M.**, **Ebrahim-Habibi A.**, **Soltani A.**, **Soltanzade A.**, **Mahrampour E.**, **Amoli MM.** Familial Cancer. 2014 13(2):267-72.
- 36-Production of insulin amyloid nanofibrils in organic solvents: a comparative study. **Nemati-Lay M.**, **Nemati-Lay E.**, **Larijani B.**, **Ebrahim-Habibi A.*** Minerva Biotechnologica. 2014. 26(4):257-62 (corresponding Author)
- 35-Amyloid formation and inhibition of an all-beta protein: a study on fungal polygalacturonase. **Chinisaz M.**, **Ghasemi A.**, **Larijani B.**, **Ebrahim-Habibi A***. Journal of Molecular Structure 2014. 1059: 94–100
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