

Name:

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Languages:

Persian (native)

English (fluent)

French (basic)

Japanese (elementary)

German (elementary)

Arabic (basic)

Education:

- Ph.D., Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Canada in 1998, a GPA of 8.6 out of 9 with awards.

- Pharm.D., Tehran University of Medical Sciences, Tehran in 1992 with a GPA of “A” or 17.7 out of 20.

Administrative:

- ✓ 2023-2024 Industry Liaison Officer, Pasteur Institute, Tehran
- ✓ 2019-2020 Systems Biology Association Board
- ✓ 2019-present Head of Biotechnology Research Center (BRC), Pasteur Institute, Tehran
- ✓ 2005-Present Director of the Eastern Mediterranean Health Genomics and Biotechnology Network,

Work (Full Professor):

- ✓ 2003-present Full Professor-Research, Pasteur Institute, Tehran

Ranking (2024):

According to: <https://scholargps.com/>

- ✓ **Drug design: top 0.94% world scientists**
- ✓ **Productivity (all fields): top 0.7% world scientists**

Teaching:

2004-present: Protein engineering course.

2015-present: Protein databases and protein bioinformatics.

2015-Present: Teaching Advanced analytical methods in quality control labs for food drug and biotechnology products.

2014-Present: Teaching Paper writing, GLP, GMP workshops.

2014-Present: Teaching Cheminformatics.

2011-present: Ph.D. courses in Ph.D. by Research, Pasteur Institute, (Genetic Engineering and Biotechnology, Bioinformatics and etc).

2004-present: Ph.D. courses in Pharmaceutical Biotechnology (Bioinformatics, Protein Formulation, Protein Chemistry, and Microbial Metabolites)

2017-present: Pharmacogenomics course, Pasteur Institute.

Research:

- ✓ Structural design, feature selection and property prediction of molecules using artificial intelligence system
- ✓ Protein engineering and modeling to reach new structures with new and/or improved profile
- ✓ Modeling interactions of cellular and molecular targets with candidate compounds and drugs
- ✓ Studying and simulating metabolomics pathways in prokaryotic and eukaryotic cells
- ✓ New algorithms in drug discovery/design process
- ✓ Bioinformatics and Cheminformatics Application in anticancer and antimicrobial drug design discovery: database formation, lead identification based on database mining and protein engineering by modification, peptidomimetics design, protein-protein and ligand-protein docking, large molecule delivery design and interaction study
- ✓ Synthesis organic and inorganic drug-like molecules and compounds
- ✓ Extraction and purification of natural products of novel anti-microbial and anti-cancer compounds/peptides with *in vitro* and *in vivo* tests
- ✓ Evaluation bioactivity and toxicity of novel drug like-compounds and natural products
- ✓ Nanostructure and Protein 3D structure elucidation-impact, drug interaction effect by circular dichroism spectropolarimetric measurements enhanced
- ✓ Genetically Modified Organisms (GMOs), metabolic profiling,
- ✓ Bioinformatics and Cheminformatics applications in molecular modeling and drug discovery

Patents:

- ✓ ShokrGozar, M.A., Sardari, S., Mortazavi, M., et al., Improving erythropoietin production by chemical inducers in CHO cells. International Patent System C12P/21/100;C12N 15/09;C07K 14/505;C12N 15/09, (2019).
- ✓ **Sardari, S.**, Khalaj, V., Mahboubi, M., Azerang, P. The process of synthesis and mechanism of action of new compounds inhibiting the production of aliphatic amino acids in fungi by reversal assay, USPTO, Application #: US 20130008300 A1, (2013).
- ✓ **Sardari, S.**, Ghavami, Gh. Method for selection of novel anti-cancer herbs using cheminformatics tools, USPTO, Application #: US 20120009277A1, (2012).
- ✓ Mahboudi, F., Davami, F., **Sardari, S.** Chimeric truncated and mutant variant of tissue plasminogen activator (t-pa) resistant to plasminogen activator inhibitor-1, USPTO, Application #: US 20120058537A1, (2012).
- ✓ **Sardari, S.**, Dianat, Sh. Learning method for chemical compound nomenclature, USPTO, Application #: US 20110081638A1, (2011).
- ✓ Faham, N., **Sardai, S.**, Ghahremani, Mohammad., Cell growth inhibitor derived from p16INK4a and method of synthesizing the same, Iran Patent System and filed in USPTO, Application #: 13/237,116 (2011).
- ✓ **Sardari, S.**, Moradi, D. The process of developing drug-like compounds with desired properties, Iran Patent System # 65167, 1389 (2010).
- ✓ **Sardari, S.**, Ghavami, Gh. Method in processing of 5 Iranian plants with enhancement of antitumor drugs activity, Iran Patent Sytem # 60443, 1388 (2009).
- ✓ **Sardari, S.**, Ghavami, Gh. Method in processing of 9 Iranian plants with anticancer, Iran Patent System # 60446, 1388 (2009).
- ✓ **Sardari, S.**, Ghavami, Gh. The scientific process for non-random selection of plants with a desired biological activity, Iran Patent System # 60444, 1388 (2009).
- ✓ **Sardari, S.** A Neural Network based system to determine 3D structure of proteins using CD spectropolarimeter, Iran Patent system # 43461, 1387 (2008).
- ✓ **Sardari, S.**, Dianat, Sh. A new tool in teaching chemistry, Iran Patent system # 49432, 1387 (2008).
- ✓ **Sardari, S.**, Soltani, S. Silicon nano-vehicle design for drugs, Iran Patent system # 43455, 1386 (2007).
- ✓ Patent Agent: Gauthier & Connors, LLP - Boston, MA, US (2006) Patent Inventors: Keykavous Parang, **Soroush Sardari**, Nguyen Hai Nam, Application #: 20060142361 Class: 514383000 (USPTO).

Books:

- ✓ **Sardari, S.**, Nazeri, S., Sadeghi, S., Farokhifard, A., Azerang, P., Saadat, F., Ghavami, GH. "Biothechnology Methods from Laboratory to Industry" (2018), Babazadeh Publication and Eshragh Pu blication.

- ✓ Gholami, M., Fattohllahi, M., Bourbour, S., Etemadifar, Z., **Sardari, S.** “Comprehensive training bioinformatics applications” (2016), Babazadeh Publication and Eshragh Publication.
- ✓ Mehravar, M. **Sardari, S.**, Mahboubi, M., Olya, P. Microorganisms in industry and environment. From scientific and industrial research to consumer products, Chapture of “Isolation and screening of soil microorganisms for membrane active antimicrobial metabolites” (2010), World Scientific Pub Co.
- ✓ Mahboubi, M., **Sardari, S.**, Khalaj, V., Mehravar, M.. Microorganisms in industry and environment. From scientific and industrial research to consumer products, Chapture of “Determination of mode of action for synthetic antifungal agents using revrsal assay method” (2010), World Scientific Pub Co.
- ✓ Rabiei, **Sardari, S.**, Encyclopedia of toxicology, Chapture of “Genetically modified food/organism” (2010), World Scientific Pub Co.
- ✓ Soltani, S., **Sardari, S.**, Sheikhpour, M., Mousavi, S. (2009) Artificial Neural Network, Nas Publisher, Tehran. ISBN: 978-964-410-269-1
- ✓ Eslamifar, A., Aghakhani, A., **Sardari, S.**, Eslami-Tabar, Sh. (2009) Nanotechnology and Medicine, Hayan Publisher, Tehran. ISBN: 978-964-460-920-6
- ✓ Malboubi, M.A, Hooshmand, M., Omid, M., Mirzai, A., Tavalai, M., Hashemi, H., Shahbaz-zadeh, D., **Sardari, S.**, Mousavi, A., EsmailZadeh, N. (2005) An investigation on the release of resistant transgenic Molai rice, Genetic Society of Iran, Tehran.
- ✓ **Sardari, S.**, Nishibe, S., Daneshtalab, M. (2000) Coumarins, the Bioactive Structures with Antifungal Property. in Studies in Natural Product Chemistry. Vol. 23, Atta-ur-Rahman, Ed. Elsevier, Amsterdam, pp 335-393.

Papers:

Published 132 indexed papers only in Pubmed, out of which the papers in the last 5 years are listed below:

[The role of descriptors extracted from ligand-target interaction to improve conventional QSAR model performance in the realm of angiogenesis receptor modulation to fight cancer.](#)

Torabi M, **Sardari S**, Pérez-Sánchez H, Ghasemi F. Future Med Chem. 2025 Aug;17(15):1815-1826. doi: 10.1080/17568919.2025.2545166. Epub 2025 Aug 19. PMID: 40827389

[Exploiting the potential of preparative multimodal chromatography resins for increasing selectivity in an orthogonal purification step.](#)

Goodarzi MM, **Sardari S**, Kheirkhah O. J Chromatogr A. 2025 Aug 30;1757:466134. doi: 10.1016/j.chroma.2025.466134. Epub 2025 Jun 10. PMID: 40543404 Review.

[Drug repurposing to identify potential FDA-approved drugs targeting three main angiogenesis receptors through a deep learning framework.](#)

Torabi M, **Sardari S**, Rodríguez-Martínez A, Arabi N, Pérez-Sánchez H, Ghasemi F. Mol Divers. 2025 Aug;29(4):3637-3659. doi: 10.1007/s11030-025-11214-6. Epub 2025 May 26. PMID: 40418485

[Determining the effect of a new truncated CecropinA-Magenin2 \(CE-MA\) hybrid peptide on the expression of multidrug-resistant \(MDR\) Mycobacterium tuberculosis efflux genes.](#)

Raigani M, **Sardari S**, Vaziri F, Ghajavand H, Kargarpour Kamakoli M, Majidian M, Mazhari M, Madanchi H. Arch Microbiol. 2025 Apr 3;207(5):111. doi: 10.1007/s00203-025-04314-2. PMID: 40178610

[Theoretical investigation of the effects of diverse hydrogen-bonding characteristics on the ¹⁷O chemical shielding and electric field gradient tensors within the active sites of Mray_{AA} bound to nucleoside antibiotics capuramycin, carbacaprazamycin, 3'-Hydroxymureidomycin A, and muraymycin D2.](#)

Astani EK, Iravani H, **Sardari S**. Solid State Nucl Magn Reson. 2024 Oct;133:101960. doi: 10.1016/j.ssnmr.2024.101960. Epub 2024 Aug 22. PMID: 39208660

[Corrigendum: N-unsubstituted Imidazoles: Design, Synthesis, and Antimicrobial Evaluation.](#)

Davood A, EbrahimiNassimi Y, **Sardari S**, Farahani YF. Curr Pharm Des. 2024;30(15):1209. doi: 10.2174/138161283015240420013314. PMID: 38934466 Review.

[Prioritization of Kidney Cell Types Highlights Myofibroblast Cells in Regulating Human Blood Pressure.](#)

Ganji-Arjenaki M, Kamali Z; International Consortium of Blood Pressure; **Sardari S**, de Borst M, Snieder H, Vaez A. Kidney Int Rep. 2024 Mar 13;9(6):1849-1859. doi: 10.1016/j.ekir.2024.03.001. eCollection 2024 Jun. PMID: 38899223

[Purification, and characterization of a new pro-coagulant protein from Iranian *Echis carinatus* venom.](#)

Khodadadi S, Rabiei H, **Sardari S**, Mahboudi H, Bayatzadeh MA, Vazifeh Shiran N, Sardabi M, Akbari Eidgahi MR, Madanchi H, Mohammadpour N. Biochem Biophys Rep. 2024 Apr 4;38:101701. doi: 10.1016/j.bbrep.2024.101701. eCollection 2024 Jul. PMID: 38601750 **Free PMC article.**

[Critical Aggregation Concentration Can be a Predictor of Doxorubicin Delivery Performance of Self-Assembling Amphiphilic Peptides with Different Hydrophobic Tails.](#)

Zanganeh S, Firoozpour L, Salavatipour MS, **Sardari S**, Cohan RA, Mohajel N. J Pharm Sci. 2024 Aug;113(8):2188-2197. doi: 10.1016/j.xphs.2024.02.022. Epub 2024 Feb 28. PMID: 38417791

[Two Birds with One Stone: Drug Regime Targets Viral Pathogenesis Phases and COVID-19 ARDS at the Same Time.](#)

Ghavami G, **Sardari S**. Infect Disord Drug Targets. 2024 Jan 29. doi: 10.2174/0118715265270637240107153121. Online ahead of print. PMID: 38288808

[Bromelain-loaded nanocomposites decrease inflammatory and cytotoxicity effects of gliadin on Caco-2 cells and peripheral blood mononuclear cells of celiac patients.](#)

Mousavi Maleki MS, Ebrahimi Kiasari R, Seyed Mousavi SJ, Hashemi-Moghaddam H, Shabani AA, Madanchi H, **Sardari S**. Sci Rep. 2023 Dec 1;13(1):21180. doi: 10.1038/s41598-023-48460-3. PMID: 38040898

[Identification of new potential candidates to inhibit EGF via machine learning algorithm.](#)

Torabi M, Yasami-Khiabani S, **Sardari S**, Golkar M, Pérez-Sánchez H, Ghasemi F. *Eur J Pharmacol.* 2024 Jan 15;963:176176. doi: 10.1016/j.ejphar.2023.176176. Epub 2023 Nov 23. PMID: 38000720

[Bromelain and ficin proteolytic effects on gliadin cytotoxicity and expression of genes involved in cell-tight junctions in Caco-2 cells.](#)

Mousavi Maleki MS, Aghamirza Moghim Ali Abadi H, Vaziri B, Shabani AA, Ghavami G, Madanchi H, **Sardari S**. *Amino Acids.* 2023 Nov;55(11):1601-1619. doi: 10.1007/s00726-023-03333-x. Epub 2023 Oct 6. PMID: 37803248

[Pathogenic CANVAS-causing but not nonpathogenic RFC1 DNA/RNA repeat motifs form quadruplex or triplex structures.](#)

Abdi MH, Zamiri B, Pazuki G, **Sardari S**, Pearson CE. *J Biol Chem.* 2023 Oct;299(10):105202. doi: 10.1016/j.jbc.2023.105202. Epub 2023 Sep 1. PMID: 37660923

[N-unsubstituted Imidazoles: Design, Synthesis, and Antimicrobial Evaluation.](#)

Davood A, EbrahimiNassimi Y, **Sardari S**, Farahani YF. *Curr Pharm Des.* 2023 Aug 7. doi: 10.2174/1381612829666230807120704. Online ahead of print. PMID: 37550905

[Combined in silico strategy for repurposing DrugBank entries towards introducing potential anti-SARS-CoV-2 drugs.](#)

Ghavami G, Adibzadeh S, Amiri S, **Sardari S**. *Can J Physiol Pharmacol.* 2023 Jun 1;101(6):268-285. doi: 10.1139/cjpp-2022-0309. Epub 2023 Feb 27. PMID: 3684864

[Effect of metformin alone and in combination with etoposide and epirubicin on proliferation, apoptosis, necrosis, and migration of B-CPAP and SW cells as thyroid cancer cell lines.](#)

Ghavami G, Kiasari RE, Pakzad F, **Sardari S**. *Res Pharm Sci.* 2023 Jan 19;18(2):185-201. doi: 10.4103/1735-5362.367797. eCollection 2023 Apr. PMID: 36873273

[Trastuzumab Charge Variants: a Study on Physicochemical and Pharmacokinetic Properties.](#)

Torkashvand F, Mehranfar M, Rashidi Gero M, Jafarian P, Mirabzadeh E, Azarian B, **Sardari S**, Vaziri B. *Iran Biomed J.* 2023 Mar 1;27(2 & 3):108-16. doi: 10.52547/ibj.3837. PMID: 37070702

[Bacterial production and biophysical characterization of a hard-to-fold scFv against myeloid leukemia cell surface marker, IL-1RAP.](#)

Farokhi-Fard A, Bayat E, Beig Parikhani A, Komijani S, Aghamirza Moghim Aliabadi H, **Sardari S**, Gharib B, Barkhordari F, Azadmanesh K, Karimipoor M, Bakhshandeh H, Davami F. *Mol Biol Rep.* 2023 Feb;50(2):1191-1202. doi: 10.1007/s11033-022-07972-3. Epub 2022 Nov 26. PMID: 36435922

[Recent Patents and FDA-Approved Drugs Based on Antiviral Peptides and Other Peptide-Related Antivirals.](#)

Mousavi Maleki MS, **Sardari S**, Ghandehari Alavijeh A, Madanchi H. *Int J Pept Res Ther.* 2023;29(1):5. doi: 10.1007/s10989-022-10477-z. Epub 2022 Nov 25. PMID: 36466430

[Bacterial production and biophysical characterization of a hard-to-fold scFv against myeloid leukemia cell surface marker, IL-1RAP.](#)

Farokhi-Fard A, Bayat E, Beig Parikhani A, Komijani S, Aghamirza Moghim Aliabadi H, **Sardari S**, Gharib B, Barkhordari F, Azadmanesh K, Karimipoor M, Bakhshandeh H, Davami F. *Mol Biol Rep.* 2023 Feb;50(2):1191-1202. doi: 10.1007/s11033-022-07972-3. Epub 2022 Nov 26. PMID: 36435922

Gefitinib-loaded polydopamine-coated hollow mesoporous silica nanoparticle for gastric cancer application.

Jadidi A, Shokrgozar MA, **Sardari S**, Maadani AM. *Int J Pharm*. 2022 Dec 15;629:122342. doi: 10.1016/j.ijpharm.2022.122342. Epub 2022 Oct 28. PMID: 36374799

In Silico Design and In Vitro Evaluation of Some Novel AMPs Derived From Human LL-37 as Potential Antimicrobial Agents for Keratitis.

Pashapour A, **Sardari S**, Ehsani P. *Iran J Pharm Res*. 2022 May 23;21(1):e124017. doi: 10.5812/ijpr-124017. eCollection 2022 Dec. PMID: 36710989

Determination of antifungal activity and action mechanism of the modified Aurein 1.2 peptide derivatives.

Madanchi H, Rahmati S, Doaei Y, **Sardari S**, Mousavi Maleki MS, Rostamian M, Ebrahimi Kiasari R, Seyed Mousavi SJ, Ghods E, Ardekanian M. *Microb Pathog*. 2022 Dec;173(Pt A):105866. doi: 10.1016/j.micpath.2022.105866. Epub 2022 Nov 3. PMID: 36336133

Intermolecular Interactions of Nucleoside Antibiotic Tunicamycin with On-Target MraY_{CB} -TUN and Off-Target DPAGT1-TUN in the Active Sites Delineated by Quantum Mechanics/Molecular Mechanics Calculations.

Astani EK, Malek Zadeh S, Hsu NS, Lin KH, **Sardari S**, Li TL. *ACS Omega*. 2022 Sep 6;7(37):32970-32987. doi: 10.1021/acsomega.2c02213. eCollection 2022 Sep 20. PMID: 36157785

Design and development of a self-assembling protein nanoparticle displaying PfHAP2 antigenic determinants recognized by natural acquired antibodies.

Zahedi F, Abouie Mehrizi A, **Sardari S**, Alemzadeh I. *PLoS One*. 2022 Sep 12;17(9):e0274275. doi: 10.1371/journal.pone.0274275. eCollection 2022. PMID: 36094917

Extension of human GCSF serum half-life by the fusion of albumin binding domain.

Nikravesh FY, Shirkhani S, Bayat E, Talebkhan Y, Mirabzadeh E, Sabzalinejad M, Aliabadi HAM, Nematollahi L, Ardakani YH, **Sardari S**. *Sci Rep*. 2022 Jan 13;12(1):667. doi: 10.1038/s41598-021-04560-6. PMID: 35027593

Pasteurella multocida PlpE Protein Polytope as a Potential Subunit Vaccine Candidate.

Mostaan S, Ghasemzadeh A, Asadi Karam MR, Ehsani P, **Sardari S**, Shokrgozar MA, Abolhassani M, Nikbakht Brujeni G. *Vector Borne Zoonotic Dis*. 2021 Nov;21(11):870-874. doi: 10.1089/vbz.2020.2758. PMID: 34788150

Identification and characterization of the type II toxin-antitoxin systems in the carbapenem-resistant *Acinetobacter baumannii*.

Japoni-Nejad A, Mood EH, Ehsani P, **Sardari S**, Heravi FS, Bouzari S, Shahrokhi N. *Microb Pathog*. 2021 Sep;158:105052. doi: 10.1016/j.micpath.2021.105052. Epub 2021 Jun 17. PMID: 34147586

Synthesis, antimycobacterial and anticancer activity of novel indole-based thiosemicarbazones.

Mashayekhi V, Haj Mohammad Ebrahim Tehrani K, Azerang P, **Sardari S**, Kobarfard F. *Arch Pharm Res*. 2021 Aug;44(8):1-13. doi: 10.1007/s12272-013-0242-z. Epub 2013 Sep 24. PMID: 24062081

Novel Descriptors Derived from the Aggregation Propensity of Di- and Tripeptides Can Predict the Critical Aggregation Concentration of Longer Peptides.

Zanganeh S, Firoozpour L, **Sardari S**, Afgar A, Cohan RA, Mohajel N. *ACS Omega*. 2021 May 12;6(20):13331-13340. doi: 10.1021/acsomega.1c01293. eCollection 2021 May 25. PMID: 34056481

Discovery of a New Analgesic Peptide, Leptucin, from the Iranian Scorpion, *Hemiscorpius lepturus*. Bagheri-Ziari S, Shahbazzadeh D, **Sardari S**, Sabatier JM, Pooshang Bagheri K. *Molecules*. 2021 Apr 28;26(9):2580. doi: 10.3390/molecules26092580. PMID: 33925223

Characterization of a novel mCH3 conjugated anti-PcrV scFv molecule. Komijani S, Bayat E, Rismani E, Hosseini S, Moazzami R, Nematollahi L, **Sardari S**, Talebkhan Y, Davami F, Barkhordari F, Hosseini F, Jahandar H. *Sci Rep*. 2021 Mar 30;11(1):7154. doi: 10.1038/s41598-021-86491-w. PMID: 33785781

Molecularly Imprinted Polymer (MIP) Applications in Natural Product Studies Based on Medicinal Plant and Secondary Metabolite Analysis. Karimi Baker Z, **Sardari S**. *Iran Biomed J*. 2021 Mar 1;25(2):68-77. doi: 10.29252/ibj.25.2.68. PMID: 33461288

Analytical methods in fatty acid analysis for microbial applications: the recent trends. Homayoonfar M, Roosta Azad R, **Sardari S**. *Prep Biochem Biotechnol*. 2021;51(10):937-952. doi: 10.1080/10826068.2021.1881910. Epub 2021 Sep 10. PMID: 34506247

In silico Analysis of *Pasteurella multocida* PlpE Protein Epitopes As Novel Subunit Vaccine Candidates. Mostaan S, Ghasemzadeh A, Ehsani P, **Sardari S**, Shokrgozar MA, Abolhassani M, Nikbakht Brujeni G. *Iran Biomed J*. 2021 Jan;25(1):41-6. doi: 10.29252/ibj.25.1.41. Epub 2020 Jan 4. PMID: 33129238

Design and Synthesis of New Antifungals Based on N-Un-substituted Azoles as 14 α Demethylase Inhibitor. Davood A, Rahimi A, Iman M, Azerang P, **Sardari S**, Mahboubi A. *Curr Comput Aided Drug Des*. 2021;17(2):235-243. doi: 10.2174/1573409916666200217090855. PMID: 32065093

Design and Synthesis of Lipopolysaccharide-Binding Antimicrobial Peptides Based on Truncated Rabbit and Human CAP18 Peptides and Evaluation of Their Action Mechanism. Madanchi H, Ebrahimi Kiasari R, Seyed Mousavi SJ, Johari B, Shabani AA, **Sardari S**. *Probiotics Antimicrob Proteins*. 2020 Dec;12(4):1582-1593. doi: 10.1007/s12602-020-09648-5. PMID: 32445120

Improvement of Certolizumab Fab' properties by PASylation technology. Mazaheri S, Talebkhan Y, Mahboudi F, Nematollahi L, Cohan RA, Mirabzadeh Ardakani E, Bayat E, Sabzalinejad M, **Sardari S**, Torkashvand F. *Sci Rep*. 2020 Oct 28;10(1):18464. doi: 10.1038/s41598-020-74549-0. PMID: 33116155

Measuring of IgG2c isotype instead of IgG2a in immunized C57BL/6 mice with *Plasmodium vivax* TRAP as a subunit vaccine candidate in order to correct interpretation of Th1 versus Th2 immune response. Nazeri S, Zakeri S, Mehrizi AA, **Sardari S**, Djadid ND. *Exp Parasitol*. 2020 Sep;216:107944. doi: 10.1016/j.exppara.2020.107944. Epub 2020 Jun 30. PMID: 32619431

PlpE Epitopes of *Pasteurella multocida* Fusion Protein as Novel Subunit Vaccine Candidates. Mostaan S, Ghasemzadeh A, Ehsani P, **Sardari S**, Shokrgozar MA, Abolhassani M, Brujeni GN. *Adv Biomed Res*. 2020 Aug 28;9:43. doi: 10.4103/abr.abr_245_19. eCollection 2020. PMID: 33072655

Design of new truncated derivatives based on direct and reverse mirror repeats of first six residues of Caerin 4 antimicrobial peptide and evaluation of their activity and cytotoxicity.

Madanchi H, **Sardari S**, Shajiee H, Taherian S, Ashkar M, Johari B, Shabani AA, Sharafi S. *Chem Biol Drug Des.* 2020 Aug;96(2):801-811. doi: 10.1111/cbdd.13689. Epub 2020 Apr 19. PMID: 32259385

Discovery of novel isatin-based thiosemicarbazones: synthesis, antibacterial, antifungal, and antimycobacterial screening.

Hassan M, Ghaffari R, **Sardari S**, Farahani YF, Mohebbi S. *Res Pharm Sci.* 2020 Jul 3;15(3):281-290. doi: 10.4103/1735-5362.288435. eCollection 2020 Jun. PMID: 33088328

Pasteurella multocida Vaccine Candidates: A Systematic Review.

Mostaan S, Ghasemzadeh A, **Sardari S**, Shokrgozar MA, Nikbakht Brujeni G, Abolhassani M, Ehsani P, Asadi Karam MR. *Avicenna J Med Biotechnol.* 2020 Jul-Sep;12(3):140-147. PMID: 32695276

Bioactivity Screening of Mulberry Leaf Extracts and two Related Flavonoids in Combination with Cisplatin on Human Gastric Adenocarcinoma Cells.

Ghavami G, Muhammadnejad S, Amanpour S, **Sardari S**. *Iran J Pharm Res.* 2020 Spring;19(2):371-382. doi: 10.22037/ijpr.2020.1101087. PMID: 33224244

Design of Anti-Angiogenic Peptidomimetics and Evaluation their Biological Activity by *In Vitro* Assays.

Ghadam M, **Sardari S**, Shokrgozar MA, Mahdavi MS. *Avicenna J Med Biotechnol.* 2020 Apr-Jun;12(2):91-98. PMID: 32431793

In Vivo Evaluation of Carvedilol Cardiac Protection Against Trastuzumab Cardiotoxicity.

Beiranvand E, Ostad SN, Ardakani EM, Torkashvand F, **Sardari S**, Vaziri B. *Drug Res (Stuttg).* 2020 Apr;70(4):165-169. doi: 10.1055/a-1110-7034. Epub 2020 Feb 19. PMID: 32074649

Synergistic Effect of Vitamin C with Cisplatin for Inhibiting Proliferation of Gastric Cancer Cells.

Ghavami G, **Sardari S**. *Iran Biomed J.* 2020 Mar;24(2):119-27. doi: 10.29252/ibj.24.2.119. Epub 2019 Oct 29. PMID: 31677606

Proteomics Analysis of Trastuzumab Toxicity in the H9c2 Cardiomyoblast Cell Line and its Inhibition by Carvedilol.

Beiranvand E, Torkashvand F, Ostad SN, Mirzaie M, Ardakani EM, Zandi F, **Sardari S**, Salekdeh GH, Shokrgozar MA, Vaziri B. *Curr Pharm Biotechnol.* 2020;21(13):1377-1385. doi: 10.2174/1389201021666200515135548. PMID: 32410562

An amperometric biosensor for specific detection of glycated hemoglobin based on recombinant engineered fructosyl peptide oxidase.

Shahbazmohammadi H, **Sardari S**, Omidinia E. *Int J Biol Macromol.* 2020 Jan 1;142:855-865. doi: 10.1016/j.ijbiomac.2019.10.025. Epub 2019 Oct 14. PMID: 31622711

Physicochemical Characterization of Altebrel™, a Proposed Etanercept Biosimilar.

Fazel R, Mahboudi F, Seyedjafari E, **Sardari S**, Vaziri B. *Iran J Biotechnol.* 2019 Dec 1;17(4):e2470. doi: 10.30498/IJB.2019.99581. eCollection 2019 Dec. PMID: 32671128

AurH1: a new heptapeptide derived from Aurein1.2 antimicrobial peptide with specific and exclusive fungicidal activity.

Madanchi H, Khalaj V, Jang S, Shabani AA, Ebrahimi Kiasari R, Seyed Mousavi SJ, Kazemi Sealani S, **Sardari S.J** Pept Sci. 2019 Jul;25(7):e3175. doi: 10.1002/psc.3175. Epub 2019 Jul 1. PMID: 31264322

Molecular Characterization of a Fungus Producing Membrane Active Metabolite and Analysis of the Produced Secondary Metabolite.

Azerang P, Khalaj V, Kobarfard F, Owlia P, **Sardari S**, Shahidi S. Iran Biomed J. 2019 Mar;23(2):121-8. doi: 10.29252/23.2.121. Epub 2018 Sep 16. PMID: 30218995

Engineering an efficient mutant of *Eupenicillium terrenum* fructosyl peptide oxidase for the specific determination of hemoglobin A1c.

Shahbazmohammadi H, **Sardari S**, Lari A, Omidinia E. Appl Microbiol Biotechnol. 2019 Feb;103(4):1725-1735. doi: 10.1007/s00253-018-9529-9. Epub 2019 Jan 3. PMID: 30607487

Alignment-based design and synthesis of new antimicrobial Aurein-derived peptides with improved activity against Gram-negative bacteria and evaluation of their toxicity on human cells.

Madanchi H, Akbari S, Shabani AA, **Sardari S**, Farmahini Farahani Y, Ghavami G, Ebrahimi Kiasari R. Drug Dev Res. 2019 Feb;80(1):162-170. doi: 10.1002/ddr.21503. Epub 2018 Dec 28. PMID: 30593676

Using chemical chaperones to increase recombinant human erythropoietin secretion in CHO cell line.

Mortazavi M, Shokrgozar MA, **Sardari S**, Azadmanesh K, Mahdian R, Kaghazian H, Hosseini SN, Hedayati MH. Prep Biochem Biotechnol. 2019;49(6):535-544. doi: 10.1080/10826068.2018.1479865. Epub 2019 Apr 16. PMID: 30990119

Innovative protein translation into music and color image applicable for assessing protein alignment based on bio-mimicking human perception system.

Ghavami S, Toozandehjani H, Ghavami G, **Sardari S**. Int J Biol Macromol. 2018 Nov;119:896-901. doi: 10.1016/j.ijbiomac.2018.07.185. Epub 2018 Aug 1. PMID: 30076932

Evaluation of Antimycobacterial and Synergistic Activity of Plants Selected Based on Cheminformatic Parameters.

Rahgozar N, Bakhshi Khaniki G, **Sardari S**. Iran Biomed J. 2018 Nov;22(6):401-7. doi: 10.29252/22.6.401. Epub 2018 Mar 7. PMID: 29510602

Development of a novel nano-sized anti-VEGFA nanobody with enhanced physicochemical and pharmacokinetic properties.

Khodabakhsh F, Norouzian D, Vaziri B, Ahangari Cohan R, **Sardari S**, Mahboudi F, Behdani M, Mansouri K, Mehdizadeh A. Artif Cells Nanomed Biotechnol. 2018 Nov;46(7):1402-1414. doi: 10.1080/21691401.2017.1369426. Epub 2017 Aug 25. PMID: 28841807

Synthesis and Antimicrobial Evaluation of 4H-Pyrans and Schiff Bases Fused 4H-Pyran Derivatives as Inhibitors of *Mycobacterium bovis* (BCG).

Mahdavi SM, Habibi A, Dolati H, Shahcheragh SM, **Sardari S**, Azerang P. Iran J Pharm Res. 2018 Fall;17(4):1229-1239. PMID: 30568683

Effect of amino acids on the stability of spray freeze-dried immunoglobulin G in sugar-based matrices.

Emami F, Vatanara A, Najafabadi AR, Kim Y, Park EJ, **Sardari S**, Na DH. Eur J Pharm Sci. 2018 Jul 1;119:39-48. doi: 10.1016/j.ejps.2018.04.013. Epub 2018 Apr 9. PMID: 29649570

Physicochemical screening for chemical stabilizer of erythropoietin to prevent its aggregation.

Mortazavi M, Shokrgozar MA, **Sardari S**, Azadmanesh K, Mahdian R, Kaghazian H, Hosseini SN, Shams E. Prep Biochem Biotechnol. 2018 Feb 7;48(2):121-127. doi: 10.1080/10826068.2017.1405270. Epub 2018 Feb 26. PMID: 29313412

The intrinsic genetic and epigenetic regulator factors as therapeutic targets, and the effect on fetal globin gene expression.

Adelvand P, Hamid M, **Sardari S**. Expert Rev Hematol. 2018 Jan;11(1):71-81. doi: 10.1080/17474086.2018.1406795. Epub 2017 Dec 4. PMID: 29149573

Cheminformatics-Based Anticoagulant Study of Traditionally Used Medicinal Plants.

Alikhani Pour M, **Sardari S**, Eslamifar A, Azhar A, Rezvani M, Nazari M. Iran Biomed J. 2017 Nov;21(6):400-5. doi: 10.18869/acadpub.ijb.21.6.400. Epub 2017 Apr 29. PMID: 28454485

Synthesis and Biological Evaluation of Thiosemicarbazide Derivatives Endowed with High Activity toward *Mycobacterium Bovis*.

Sardari S, Feizi S, Rezayan AH, Azerang P, Shahcheragh SM, Ghavami G, Habibi A. Iran J Pharm Res. 2017 Summer;16(3):1128-1140. PMID: 29201099

Other papers in various indexing sources:

- ✓ G Ghavami, R Jafari, A Mohammadi, S Sardari... (2025) Introducing novel screening method for natural anticancer compounds through in silico investigation of cancer cell targets, healthbiotechpharm.org
- ✓ M Torabi, S Sardari, H Pérez-Sánchez S Sadari... (2025) The role of descriptors extracted from ligand-target interaction to improve conventional QSAR model performance in the realm of angiogenesis receptor modulation to ...- Future Medicinal ..., - Taylor & Francis, brieflands.com
- ✓ RE Kiasari, G Ghavami, S Sardari (2025) In-vitro Assessment of the Proliferation and Apoptosis of Thyroid Cancer Cells Using Valproic Acid and Retinoic Acid Alone and in Combination with Etoposide and - IJ Pharmaceutical Research, - brieflands.com
- ✓ MM Goodarzi, S Sardari, O Kheirkhah (2025) Exploiting the potential of preparative multimodal chromatography resins for increasing selectivity in orthogonal purification step - Journal of Chromatography A, - Elsevier
- ✓ S Zareian, S Sardari, (2024) From Molecules to Medicine: Navigating the Challenges of Network Science in Precision Medicine, Journal of Molecular and Clinical Medicine, imrpess.com
- ✓ EK Astani, S Malek Zadeh, **S Sardari**..., (2023) DFT QM/MM MD Calculations to Identify Intermolecular Interactions within the Active Sites of MraYAA Bound to Antibiotics Capuramycin, Carbaprazamycin, and 3'-Hydroxymureidomycin A. 8(46) <https://doi.org/10.1002/slct.202302657>
- ✓ M Soltani, **S Sardari**, H Sabzyan, F Ghasemi (2023) Towards Screening and Repurposing of Approved Drugs for the Treatment of COVID-19 Using Molecular Docking Physical Chemistry Research 11 (4), 707-723.

- ✓ S Beyramy, **S Sardari** (2023) Revealing metabolic performance of Chinese hamster ovary cell capable of producing erythropoietin by in silico analysis, *Health Biotechnology and Biopharma*, 7(1), 90-114. 10.22034/HBB.2023.13. healthbiotechpharm.org.
- ✓ SM Shahcheragh, A Habibi, M Shirzad, Y Farahani, **S Sardari** (2023) One pot, green synthesis and biological evaluation of some isatin-based thiocarbohydrazones derivatives, *Health Biotechnology and Biopharma* 6 (4), 81-97.
- ✓ S Ghavami, G Ghavami, H. Toozandehjani, **S. Sardari** (2023) Introducing an innovative algorithm based on the abilities of the human perception system towards profiling similarity search of drugs and drug-like compounds such as fluoxetine, *Health Biotechnology and Biopharma*, 7(3), 62-76.
- ✓ Hosseini, S. M., Haddad, R., **Sardari, S.** (2022) Biotransformation of atropine, 4-hydroxy coumarin, 8-hydroxy quinoline, indole and penicillin G by the natural microflora, *Health Biotechnology and Biopharma*, 6(1), 13-25.
- ✓ Fahham, N., Zandi, F., Ghahremani, M.H., Shahraeini, S.S., **Sardari, S.** (2022) Unraveling Potential Candidate Targets Associated with Expression of p16INK4a or p16 Truncated Fragment by Comparative Proteomics Analysis, *Current Proteomics*, 19(2), pp. 171-181.
- ✓ Kangarshahi, Z.T., Lak, S., Ghadam, M., **Sardari, S.**, Rahimi, S. The proteins of sars-cov-2 and their functions (2021), *Military Medical Science Letters (Vojenske Zdravotnicke Listy)*, 90(4), pp. 172-190.
- ✓ Afzal, M., **Sardari, S.**, Sikandar, S., Afzal, I. (2021) Drug repurposing against COVID-19 by GWAS, *Health Biotechnology and Biopharma*, 4(1), pp. 1-6.
- ✓ Kheirali, E., Sardari, S., Shahraeini, S.S. (2021) Strategies in design of antibodies for cancer treatment, *Health Biotechnology and Biopharma*, 5(3), pp. 72-96.
- ✓ Hakiminasab, S., Habibi, A., Shahcheragh, S.M., **Sardari, S.**, Mahdavi, S.M., Habibi, M. (2021) Efficient pyran derivatives synthesis in DES medium and their antimicrobial evaluation as inhibitors of mycobacterium bovis (BCG), *Journal of the Iranian Chemical Society*, 18(10), pp. 2575-2582.
- ✓ S Shahidi, SS Shahraeini, YF Farahani, **S Sardari** (2021) Thiamine pyrophosphate riboswitch regulation: a new possible mechanism involved in the action of nalidixic acid *Turkish Journal of Biochemistry* 1 (ahead-of-print).
- ✓ Sadeghi, S., Ehsani, P., Cohan, R.A., **Sardari, S.**, Bakhshandeh, H., Norouzian, D., (2020) Design and Physicochemical Characterization of Lysozyme Loaded Niosomal Formulations as a New Controlled Delivery System, *Pharmaceutical Chemistry Journal*, 53(10), pp. 921-930.
- ✓ S Sadeghi, P Ehsani, RA Cohan, S Sardari, I Akbarzadeh, ...(2020) Design and Physicochemical Characterization of Lysozyme Loaded Niosomal Formulations as a New Controlled Delivery System, *Pharmaceutical Chemistry Journal* 53 (10), 921-930.
- ✓ F Motevalli, MR Amiran, M Etemadzadeh, G Bahramali, **S Sardari**, ...(2020) Purification of Functional HEV-ORF2 Protein from Inclusion Bodies for Vaccine and Diagnostic Applications, *Vaccine Research* 7 (1), 44-49.

- ✓ Mousavi SJ, **Sardari S**, Kiasari RE, Niabati S, Madanchi H. Design and synthesis of short antimicrobial peptide derivatives based on human cathelicidin. *Health Biotechnology and Biopharma* (2020), 3(4): 21-34.
- ✓ Sadeghi S, Ehsani P, Cohan RA, **Sardari S**, Akbarzadeh I, Bakhshandeh H, Norouzian D. Design and Physicochemical Characterization of Lysozyme Loaded Niosomal Formulations as a New Controlled Delivery System. *Pharmaceutical Chemistry Journal*. 2020 Jan 16:1-0.
- ✓ Alinaghi M, Beyramysoltan S, **Sardari S**. Importance of the catalytic site neighbouring residues on the functionality of the enzymes. *Health Biotechnology and Biopharma* (2019), 3(3): 50-58.
- ✓ H Madanchi, M Shoushtari, HH Kashani, S **Sardari** (2020) Antimicrobial peptides of the vaginal innate immunity and their role in the fight against sexually transmitted diseases, *New Microbes and New Infections* 34, 100627.
- ✓ A Davood, A Rahimi, M Iman, P Azerang, S Sardari, A Mahboubi (2020) Design and synthesis of new antifungals based on N-un-substituted azoles as 14 α demethylase inhibitor. *Current computer-aided drug design*.
- ✓ Shahbazzmohammadi H, **Sardari S**, Omidinia E. Optimization of aqueous two-phase partitioning for purification of recombinant Eupenicillium terrenum fructosyl peptide oxidase. *Biocatalysis and Agricultural Biotechnology*. (2019) Sep 1;21:101344.
- ✓ Madanchi H, Khalaj V, Jang S, Shabani AA, Ebrahimi Kiasari R, Seyed Mousavi SJ, Kazemi Sealani S, **Sardari S**. AurH1: a new heptapeptide derived from Aurein1. 2 antimicrobial peptide with specific and exclusive fungicidal activity. *Journal of Peptide Science*. (2019) Jul;25(7):e3175.
- ✓ Ghavami GH, Muhammadnejad S, Amanpour S, **Sardari S**. (2019) Bioactivity Screening of Mulberry Leaf Extracts and two Flavonoids in Combination with Cisplatin on Human Gastric Adenocarcinoma Cells. *Iranian Journal of Pharmaceutical Research*. A head of print.
- ✓ Faezi S, Bahrmand AR, **Sardari S**, Nikokar I, Khanaki K, Siadat SD, Goudarzi GH, Elmi A, Mahdavi M. (2019) Epitope-based immunoinformatics study of a novel PilQ₃₈₀₋₇₀₆-PilA fusion protein from *Pseudomonas aeruginosa*. *Gene Reports*. 15: 100385.
- ✓ Panahi AR, **Sardari S**. (2019) Study on DNA conformational transition affected by extremely low frequency magnetic field. *Health Biotechnology and Biopharma*. 2(4): 22-31.
- ✓ M Afzal, S **Sardari**, S Sikandar, I Afzal (2019) A novel approach for analysis of shared genetic architecture of drug response based on summary statistics from genome-wide association studies, *Health Biotechnology and Biopharma*, 3(3), 12-49.
- ✓ Sedighi V, Shirzad M, Hariri S, Adelvand P, **Sardari S**. (2018) Relation between Minimum Inhibitory Concentration and Chemical Structure of Heterocyclic Organic Compounds against Mycobacterium. *Novel Approaches in Drug Designing & Development*. 4(2): 1-9.

- ✓ Shirzad M, **Sardari S.** (2018) Synthesis and Characterization of Alkyne Derivatives as Antifungal Agents. *Organic and Medicinal Chemistry*. 7(4). 1-2.
- ✓ Azerang P, Owlia P, Khalaj V, Kobarfard F, **Sardari S.** (2018), Isolation and Characterisation of a Soil Microbial *Streptomyces* Strain that Produces Membrane-Active Antimicrobial Metabolites. *Journal of Pharmaceutical Research International*, 21(6), 1-12.
- ✓ Maslehat S, **Sardari S**, Soheilzad M, Nikchi P. (2018) Application of SMILES strings to identification of functional groups responsible for biological activity in medicinal compounds. *Enero-Febrero*. 7(12): 245-254.
- ✓ Keyvani A, Atyabi S.M, **Sardari S**, Norouzian D, Madanchi H. (2017), Effects of cold atmospheric plasma jet on collagen structure in different treatment times. *Basic Research Journal of Medicine and Clinical Sciences*, 6(8); 84-90.
- ✓ Azerang P, **Sardari S.** (2017), Bioactive Compound Produced from Actinomycetes-Streptomyces. *Nov Appro Drug Des Dev*. 1(3); 1-3.
- ✓ Rezayan AH, Hariri S, Azerang P, Ghavami G, Portugal I, **Sardari S.** (2017), Synthesis of Novel Fluorene Bisamide Derivatives via Ugi Reaction and Evaluation their Biological Activity against *Mycobacterium species*. *Iran J Pharm Res*. 16(;745-755.
- ✓ Faezi S, Bahrmand AR, Mahdavi M, Siadat SD, Nikokar I, **Sardari S.** (2017), Development of a Novel Anti-Adhesive Vaccine Against *Pseudomonasaeruginosa* Targeting the C-terminal Disulfide Loop of the Pilin Protein. *Int J Mol Cell Med*. 6(2); 96-108.
- ✓ Faezi S, Bahrmand AR, Siadat SD, Nikokar I, **Sardari S**, Mahdavi M. (2017), Construction, expression, purification and characterization of secretin domain of PilQ and triple PilA-related disulfide loop peptides fusion protein from *Pseudomonas aeruginosa*. *Iran J Basic Med Sci*. 20(5); 458-466.
- ✓ Dolatkahh Z, Javanshir S, Sadr AS, Hosseini J, **Sardari S.** (2017), Synthesis, Molecular Docking, Molecular Dynamics Studies, and Biological Evaluation of 4H-Chromone-1,2,3,4-tetrahydropyrimidine-5-carboxylate Derivatives as Potential Antileukemic Agents. *J Chem Inf Model*. 57(6); 1246-1257.
- ✓ Faezi S, Bahrmand AR, Mahdavi M, Siadat SD, **Sardari S**, Nikokar I, Khanaki K, Mirzajani E, Goudarzi G. (2017), Preparation of *Pseudomonas aeruginosa* alginate-flagellin immunoconjugate. *Biologicals*. 47:11-17.
- ✓ Aalikhani Pour M, **Sardari S**, Eslamifar A, Rezvani M, Azhar A, Nazari M. (2017), Cheminformatics-based anticoagulant study traditionally used medicinal plants. *Iran Biomed J*. 21(6):400-5.
- ✓ Mobarak Qamsari E, Kasra Kermanshahi R, Erfan M, Ghadam P, **Sardari S**, Eslami N. (2017), Characteristics of surface layer proteins from two new and native strains of *Lactobacillus brevis*, *Int J Biol Macromol*, 95:1004-1010.
- ✓ Mazinani Z, Zamani M, **Sardari S.** (2017), Isolation and Identification of Phyllospheric Bacteria Possessing Antimicrobial Activity from *Astragalus Obtusifolius*, *Prosopis juliflora*, *Xanthium Strumarium* and *Hippocrepis Unisiliqousa*, *AJMB*, 9(1):31-37.
- ✓ Hedayati MH, Norouzian D, Aminian M, Teimourian S, Ahangari Cohan R, **Sardari S**, Khorramizadeh MR. (2017), Molecular Design, Expression and

- Evaluation of PASylated Human Recombinant Erythropoietin with Enhanced Functional Properties, *Protein J.*, 36(1):36-48.
- ✓ **Sardari S.** (2017), Number Crunching towards Molecular Barcoding, *Iran Biomed J.*, 21(2): 67-68.
 - ✓ Malekzadeh S, **Sardari S**, Azerang P, Khorasanizadeh D, Agha Amiri S, Azizi M, Mohajerani N, Khalaj V. (2017), Identification and Evaluation of Novel Drug Targets against the Human Fungal Pathogen *Aspergillus fumigatus* with Elaboration on the Possible Role of RNA-Binding Protein, *Iran Biomed J.*, 21(2):84-93.
 - ✓ Gharibi Loron A, **Sardari S**, Narenjkar J, Sayyah M. (2017), In silico Screening and Evaluation of the Anticonvulsant Activity of Docosahexaenoic Acid-Like Molecules in Experimental Models of Seizures, *Iran Biomed J.*, 21(1):32-39.
 - ✓ Mafakheri M, **Sardari S.** (2017), Similarity in the amino acid sequences of *Mycobacterium tuberculosis* protein targets involved in binding sites of docking with thiacetazone. *Pharm Anal Acta*, 7(509).
 - ✓ Farmahini Farahani Y, Amin GH, **Sardari S**, Ostad N. (2016), Effect of *Echballium elaterium* fruit on *Candida albicans*, *Aspergillus fumigatus* and *Escherichia coli*, *Int. J. Biol. Res.*, 4(1): 44-45.
 - ✓ Farmahini Farahani Y, **Sardari S.** (2016), STRATEGIES IN DRUG DISCOVERY. *Int. J. Biol. Res.*, 4(1): 1-8.
 - ✓ Iman M , Davood A, Lotfinia M, Dehqani G, **Sardari S**, Azerang P, Amini M. (2016), Design, Synthesis and Anti-Tubercular Activity of Novel 1, 4-Dihydropyridine-3, 5-Dicarboxamide Containing 4(5)-Chloro-2-Ethyl-5(4)-Imidazolyl Moiety , *IJPR*, 15(4): 791-799.
 - ✓ Faezi S, Bahrmad AR, Mahdavi M, Siadat SD, Nikokar I, **Sardari S**, Holder IA. (2016), High Yield Overexpression, Refolding, Purification and Characterization of *Pseudomonas aeruginosa* Type B-Flagellin: An Improved Method without Sonication, *Int J Mol Cell Med.*, 5(1):37-48.
 - ✓ Babanejad M, Tehrani M S, Mafakheri M, **Sardari S.** (2016), Potentiometric Determination of Clonazepam Using Carbon Paste Electrode Based on Molecular Imprinted Polymer (MIP) in Solution and in a Biological Fluid Model, *Pharm Anal Acta*, 7(7): 1-8.
 - ✓ Lotfinia M, Kadivar M, Piryaee A, Pournasr B, **Sardari S**, Sodeifi N, Sayahpour F, Baharvand H. (2016), Effect of Secreted Molecules of Human Embryonic Stem Cell-Derived Mesenchymal Stem Cells on Acute Hepatic Failure Model, *Stem Cells Dev*, 25(24): 1898-1908.
 - ✓ Haddadi M, **Sardari S.** (2016), Study of biochemical medicine dose-response effect on treatment of breast cancer. *Cancer Biology*, 6(2).
 - ✓ Iman M, Peroomian T, Davood A, Amini M, **Sardari S**, Azerang P. (2016), Design, Synthesis and Evaluation of New Azoles as Antifungal Agents: A Molecular Hybridization Approach, *Pharmaceutical Chemistry Journal*, 49(10).
 - ✓ Aalikhani Pour M, **Sardari S**, Eslamifar A, Rezvani M, Azhar A, Nazari M. (2016), Evaluating the anticoagulant effect of medicinal plants *in vitro* by cheminformatics methods. *Journal of Herbal Medicine*, 6(3): 128–136.

- ✓ **Sardari S**, Portuga I, ALKafri A, Moradi D, Ghavami Gh. (2016), Fragment-Based *De Novo* Design of Antimycobacterial Agents and In Vitro Potency Evaluation, *Combinatorial Chemistry & High Throughput Screening*, 19(3):238-45.
- ✓ Kazemali MR, Majidzadeh K, **Sardari S**, Saadati AH, Barkhordari F, Adeli A, Mahboudi F, Maghsoudi A. (2016), Enhanced truncated-t-PA (CT-b) expression in high-cell-density fed-batch cultures of *Pichia pastoris* through optimization of a mixed feeding strategy by response surface methodology, *Bioprocess Biosyst Eng*. 39(4):565-73.
- ✓ Iman M, Davood A, Dehqani G, Lotfinia M, **Sardari S**, Azerang P, Amini M. (2015), Design, Synthesis and Evaluation of Antitubercular Activity of Novel Dihydropyridine Containing Imidazolyl Substituent, *Iran J Pharm Res*. 14(4):1067-75.
- ✓ Sebt Y, **Sardari S**, Sadeghi HM, Ghahremani MH, Innamorati G. (2015), Study of V2 vasopressin receptor hormone binding site using in silico methods, *Res Pharm Sci*,10(4):288-94.
- ✓ Sebt Y, Rabbani M, Sadeghi HM, **Sardari S**, Ghahremani MH, Innamorati G. (2015), Effect of mutations in putative hormone binding sites on V2 vasopressin receptor function, *Res Pharm Sci*, 10(3):259-67.
- ✓ Tehrani KH, Mashayekhi V, Azerang P, Minaei S, **Sardari S**, Kobarfard F. (2015), Synthesis and Antimycobacterial Activity of some Triazole Derivatives-New Route to Functionalized Triazolopyridazines, *Iran J Pharm Res*,14(Suppl):59-68.
- ✓ Gavzan H, Sayyah M, **Sardari S**, Babapour V.(2015), Synergistic effect of docosahexaenoic acid on anticonvulsant activity of valproic acid and lamotrigine in animal seizure models, *Naunyn Schmiedebergs Arch Pharmacol*, 388(10):1029-38.
- ✓ Abedinzadeh M, Gaieni M, **Sardari S** (2015), Natural antimicrobial peptides against *Mycobacterium tuberculosis*, *J Antimicrob Chemother*, 70(5):1285-9.
- ✓ Motamedian E, Ghavami Gh, **Sardari S** (2015), Investigation on Metabolism of Cisplatin Resistant Ovarian Cancer Using a Genome Scale Metabolic Model and Microarray Data, *Iranian Journal of Basic Medical Sciences*, 18(3):267-76.
- ✓ Ghahremanpour MM, **Sardari S** (2015), The effect of structural parameters and positive charge distance on the interaction free energy of antimicrobial peptides with membrane surface, *J Biomol Struct Dyn*, 33(3), 502-512.
- ✓ **Sardari S**, Amiri M, Rahimi H, Kamalinejad M, Narenjkar J, Sayyah M (2015), Anticonvulsant Effect of *Cicer arietinum* Seed in Animal Models of Epilepsy: Introduction of an Active Molecule with Novel Chemical Structure., *Iranian Biomedical Journal*, 19(1): 45-50.
- ✓ Khoshkholgh-Sima B, **Sardari S**, Izadi Mobarakeh J, Khavari-Nejad RA (2015), *In-silico* Metabolome Target Analysis Towards PanC-based, Antimycobacterial Agent Discovery, *Iranian Journal of Pharmaceutical Research*, 14(1): 203-14.
- ✓ Zamani M, Mazinani Sh, **Sardari S** (2015), Isolation of the Bacteria Producing Antibiotic from the Phyllosphere of Two Families of Fabaceae and Asteraceae, *Laboratory Journal*, 9(2): 54-61.
- ✓ Ghavami GH, Shahidi S, Mazinani Z, Maslehat S, **Sardrai S**. (2014). Design and in Silico Construction of New Efficient Antibodies Against Gastric Tumor-

- associated Antigens towards Introducing Combined Strategy for Vaccine Tumor Therapy. *Vaccine Research*. 1(2): 7-11.
- ✓ Sedighi V, Azerang P, **Sardari S** (2014), Antimycobacterial evaluation of novel [4,5-dihydro-1H-pyrazole-1-carbonyl]pyridine derivatives synthesized by microwave-mediated Michael addition, *Drug Test Anal*, 7(6):550-4.
 - ✓ Saadatirad A, **Sardari S**, Kazemali M, Zarei N, Davami F, Barkhordari F, Adeli A, Mahboudi F (2014), Expression of a Novel Chimeric-Truncated tPA in *Pichia pastoris* with Improved Biochemical Properties., *Mol Biotechnol*, 56(12): 1143-1150.
 - ✓ Beiranvand E, Abediankenari S, Rezaei MS, Khani S, **Sardari S**, Beiranvand B (2014), Increased Expression of Forkhead Box Protein 3 Gene of Regulatory T Cells in Patients with Active Tuberculosis., *Inflamm Allergy Drug Targets*, 13(5):330-4.
 - ✓ Kazemali M.R., Majidzadeh-A K, **Sardari S**, Saadatirad A, Khalaj V, Zarei N, Barkhordari F, Adeli A, Mahboudi F (2014), Design of a novel chimeric tissue plasminogen activator with favorable Vampire bat plasminogen activator properties Enzyme and Microbial Technology., *Enzyme and Microbial Technology*, 67, 82–86.
 - ✓ Tehrani, KHME, Mashayekhi V, Azerang P, **Sardari S**, Kobarfard F, Rostamizadeh K (2014), Synthesis and Antimycobacterial Activity of Novel Thiadiazolylhydrazones of 1-Substituted Indole-3-carboxaldehydes., *Chemical Biology & Drug Design*, 83(2), 224-236
 - ✓ Eslamparast , Ghahremani M, **Sardari S** (2014), In silico study of fragile histidine triad interaction domains with MDM2 and p53, *Advanced Biomedical Research*, 3(170). 170-175.
 - ✓ Eslamparast A, Ghahremani MH, **Sardari S** (2014), Computational Survey of FHIT, A Putative Human Tumor Suppressor, Truncates Structure, *Avicenna J Med Biotechnol*, 6(2):64-71.
 - ✓ **Sardari S**, Kohanzad H, Ghavami GH (2014), Artificial neural network modeling of antimycobacterial chemical space to introduce efficient descriptors employed for drug design, *Chemometrics and Intelligent Laboratory Systems*, 130(15), 151–158.
 - ✓ Tehrani KH, **Sardari S**, Mashayekhi V, Esfahani Zadeh M, Azerang P, Kobarfard F (2014), Synthesis and Antimycobacterial Activity of Novel Thiadiazolylhydrazones of 1-Substituted Indole-3-carboxaldehydes, *Chemical Biology and Drug Design*, 83(2): 224–236.
 - ✓ Mobarakeh IJ, Fakhraei N, Abedini Sadr Z, Hamidipour A, Mostafavi E, Hosseini HR, **Sardari S** (2013), Effect of aqueous, ethanolic and acetonitrile *Crocus sativus* L. extracts on stress biomarkers in male rats, *Journal of Medicinal Plants Research*, 7(44), 3269-279.
 - ✓ Haj Mohammad Ebrahim Tehrani K, Kobarfard F, Azerang P, Mehravar M, Soleimani Z, Ghavami G, **Sardari S** (2013), Synthesis and Antimycobacterial Activity of Symmetric Thiocarbohydrazone Derivatives against *Mycobacterium bovis* BCG, *Iran J Pharm Res*, 12(2):331-46.
 - ✓ Saadat F, **Sardari S**, Maleki F (2013), Virtual Screening of Anti-Mycobacterial Plant Compounds, *Mol. Inf.*, 32(9-10), 802-810.

- ✓ Ferdosian M, **Sardari S** (2013), A Novel Mechanistic Approach to Identify New Antifungal Lead Compounds Based on Amphotericin B Molecular Architecture, *Tropical Journal of Pharmaceutical Research*, 12(2), 181-188.
- ✓ Mostaan S, **Sardari S** (2013), Designing antifungal analogous of Amphotericin B, based on molecular interaction. *Advance Biomedical Research*, 2(3) *In press*.
- ✓ **Sardari S**, Azadmanesh K, Mahboudi F, Davood A, Vahabpour R, Zabihollahi R, Gomari H (2013), Design of Small Molecules with HIV Fusion Inhibitory Property Based On Gp41 Interaction Assay. *Avicenna Journal of Medical Biotechnology*, 5(2), 78-86.
- ✓ Moradi S, Azerang P, Khalaj V, **Sardari S** (2013), Antifungal Indole and Pyrrolidine-2,4-Dione Derivative Peptidomimetic Lead Design Based on *In Silico* Study of Bioactive Peptide Families. *Avicenna Journal of Medical Biotechnology*, 5(1), 42-53.
- ✓ Tehrani KH, Kobarfard F, Azerang P, Mehravar M, Soleimani Z, Ghavami GH, **Sardari S** (2013), Synthesis and Antimycobacterial Activity of Symmetric Thiocarbohydrazone Derivatives against *Mycobacterium bovis* BCG, *Iranian Journal of Pharmaceutical Research*, 12(2):331-46.
- ✓ Azarang P, Rezayan AH, **Sardari S**, Kobarfard F, Bayat M, Tabib K (2012), Synthesis and biological evaluation of propargyl acetate derivatives as anti-mycobacterial agents. *DARU Journal of Pharmaceutical Sciences*, 20(90), doi:10.1186/2008-2231-20-90.
- ✓ Rezayan AH, Azarang P, **Sardari S**, Sarvary A (2012), Synthesis and Biological Evaluation of Coumarin Derivatives as Inhibitors of *Mycobacterium bovis* (BCG). *Chem Biol Drug Des*. doi: 10.1111/cbdd.12044.
- ✓ Tehrani KH, **Sardari S**, Mashayekhi V, Esfahani Zadeh M, Azerang P, Kobarfard F (2012), One Pot Synthesis and Biological Activity Evaluation of Novel Schiff Bases Derived from 2-Hydrazinyl-1,3,4-thiadiazole. *Chem Pharm Bull (Tokyo)*. 61(2):160-6.
- ✓ Feizi S, Rezayan AH, **Sardari S**, Notash B (2012), (E)-1-(2-Nitro-benzyl-idene)-4-phenyl-thio-semicarbazide. *Acta Crystallogr Sect E Struct Rep Online*. 1;68 (Pt 7):o2154.
- ✓ **Sardari S** (2012) Data Mining Methods for 'OMICS' Applications in Anticancer Drug Design and Discovery. *Drug Design* 1:e102. doi:10.4172/ddo.
- ✓ Dashbolaghi, S. Khatami, **S. Sardari**, B. Vaziri, R. Ahangari Cohan, M. Hedayati, D. Nouri Inanlou, Z. Barghi, D. Norouzian (2012), Enhanced refolding efficacy of interferon alpha 2b in a pilot study using low cost method, *Research in Pharmaceutical Sciences*, 7(5) S439.
- ✓ Mehdi Rahimpour, Mahmoud Rahimpour, Hosna Gomari, Elham Shirvani, Amin Niroumanesh, Kamelia Saremi and **Soroush Sardari** (2012) Public Perceptions of Nanotechnology: A Survey in the Mega Cities of Iran, *NanoEthics*, DOI: 10.1007/s11569-012-0147-1.
- ✓ Parisa Azerang, **Soroush Sardari** (2012) Antifungal activity of enynediesters and acetylenic compounds obtained by synthesis and in silico prediction pattern, *Journal de Mycologie Médicale*, DOI: <http://dx.doi.org/10.1016/j.mycmed.2012.06.001>.

- ✓ Ayeh Khodaparast, Mohammad Sayyah, **Soroush Sardari** (2012), Anticonvulsant Activity of Hydroalcoholic Extract and Aqueous Fraction of *Ebnus stellata* in Mice, *Iranian Journal of Basic Sciences*, 15(3), 811-819.
- ✓ Hassan Hadadzadeh, Mona Salimi, Matthias Weil, Zahra Jannesari, Farivash Darabi, Khatereh Abdi, Aliakbar Dehno Khalaji, **Soroush Sardari**, and Reza Ahangari (2012) The piroxicam complex of copper(II), trans-[Cu(Pir)₂(THF)₂], and its interaction with DNA, *Journal of Molecular Structure*, DOI: <http://dx.doi.org/10.1016/j.molstruc.2012.04.094>.
- ✓ **Soroush Sardari** (2011) The data age is on the verge of full bloom, *Iranian Journal of Pharmaceutical Research*, 10(2), 181-182.
- ✓ S. Sayyah, A. Khodaparast, A. Yazdi, **S. Sardari** (2011) Screening of the anticonvulsant activity of some plants from Fabaceae family in experimental seizure models in mice, *DARU*, 19 (4), 301-305.
- ✓ Maryam Mehravar, **Soroush Sardari**, Parviz Owlia (2011) Membrane-active metabolites produced by soil actinomycetes using chromatic phospholipid/polydiacetylene vesicles, *Indian Journal of Experimental Biology*, 49, 946-952.
- ✓ Baharak Khoshkholgh-Sima, **Soroush Sardari**, Jalal Izadi Mobarakeh, Ramezan Ali Khavari-Nejad (2011) An in silico approach for prioritizing drug targets in metabolic pathway of Mycobacterium tuberculosis, *World Academy of Science, Engineering and Technology*, 59, 1027-1030.
- ✓ Ghazaleh Ghavami, **Soroush Sardari** (2011) New chimeric anti-tubercular dendrimers with self-delivering property, *African Journal of Microbiology Research*, 5(18), 2550-2554.
- ✓ Mehdi Rahimpour, Kamelia Saremi, Elham Shirvani, Hosna Gomari, Mahmoud Rahimpour, Amin Niroumanesh, **Soroush Sardari** (2011) A survey on medicine consumption in the mega cities of Iran, *Italian Journal of Public Health (IJPH)* - 8(3), 141-146.
- ✓ Reza Arabi, Farzin Rohvand, Daryoush Norouzian, **Soroush Sardari**, Mohammad Reza Aghasadeghi, Hosein Khan Ahmad, Arash Memarnejadian and Fatemeh Motevalli (2011) A Comparative Study on the Activity and Antigenicity of Truncated and Full-Length forms of Streptokinase, *Polish Journal of Microbiology*, 60(3), 243–251.
- ✓ M. Mehravar, **S. Sardari** (2011) Screening of antimicrobial membrane-active metabolites of soil microfungi by using chromatic phospholipid/polydiacetylene vesicles, *Journal de Mycologie Médicale*, 21, 188-197.
- ✓ Mahmoudi Morteza, Shokrgozar Mohammad A., **Sardari Soroush**, Moghadam Mojgan K, Vali Hojatollah, Laurent Sophie, Stroeve Pieter (2011) Irreversible changes in protein conformation due to interaction with superparamagnetic iron oxide nanoparticles. *Nanoscale*, 3 (3), 1127-1138.
- ✓ Ghavami Ghazaleh, **Sardari Soroush**, Ali Shokrgozar Mohammad (2011) Cheminformatics-based selection and synergism of herbal extracts with anticancer agents on drug resistance tumor cells—ACHN and A2780/CP cell lines, *Computers in Biology and Medicine*, 41, 665-674.

- ✓ Davami F, **Sardari S**, Majidzadeh-A K, Hemayatkar M, Barkhordari F, Enayati S, Adeli A, Mahboudi F. (2011) A novel variant of t-PA resistant to plasminogen activator inhibitor-1; expression in CHO cells based on *in silico* experiments. *BMB Rep. Jan*; 44(1):34-9.
- ✓ Ghazaleh Ghavami, Mohammad R. Kazemali, **Soroush Sardari** (2011) Informatics of drug synergism in naturally occurring anticancer agents, *Recent Patents on Anti-Cancer Drug Discovery*, 6(1), 26-44.
- ✓ Ghazaleh Ghavami, **Soroush Sardari**, Mohammad Ali Shokrgozar (2011) Anticancerous potential of Achillea species against selected cell lines, *Journal of Medicinal Plants Research*, 4(22), 2411-1417.
- ✓ Yazdi, Azadeh; **Sardari, Soroush**; Sayyah, Mohammad; Hassanpour Ezzati, Majid (2011) Evaluation of the Anticonvulsant Activity of the Leaves of Glycyrrhiza glabra var. glandulifera Grown in Iran, as a Possible Renewable Source for Anticonvulsant Compounds, *Iranian Journal of Pharmaceutical Research*, 10(1): 75-81.
- ✓ Say-yed Hesameddin Tafreshi, Saeed Mirdamadi, Dariush Norouzian, Shohreh Khatami, **Soroush Sardari** (2010) Optimization of Non-Nutritional Factors for a Cost-Effective Enhancement of Nisin Production Using Orthogonal Array Method, *Probiotics & Antimicro. Prot.* DOI 10.1007/s12602-010-9051-6.
- ✓ Faham, N., **Sardari, S.**, Ostad, S. N., Vaziri, B., Ghahremani, M. H., (2010). c-terminal domain p16INK4a is adequate in inducing cell cycle arrest, growth inhibition and CDK4/6 interaction similar to the full length protein in HT-1080 fibrosarcoma cells. *J Cellular Biochemistry*, 111: 1598-1606.
- ✓ Say-yed Hesameddin Tafreshi, Saeed Mirdamadi, Dariush Norouzian, Shohreh Khatami, **Soroush Sardari** (2010) Optimization of Non-Nutritional Factors for a Cost-Effective Enhancement of Nisin Production Using Orthogonal Array Method, *Probiotics and Antimicrobial Proteins*, DOI: 10.1007/s12602-010-9051-6.
- ✓ Maryam Mehravar, **Soroush Sardari**, Parviz Owlia, (2010) Screening of membrane active antimicrobial metabolites produced by soil actinomycetes using membrane models, *Journal of Paramedical Sciences (JPS) Autumn*, 1(4), 18-25.
- ✓ Mona Alibolandi, Hasan Mirzahoseini, Farzaneh Moshtaghi Nehi, Golnaz Tabatabaian, Hossein Amini, **Soroush Sardari** (2010) Improving recombinant protein solubility in Escherichia coli: Identification of best chaperone combination which assists folding of human basic fibroblast growth factor, *African Journal of Biotechnology*, 9(47), 8100-8109.
- ✓ Davami Fatemeh; **Sardari Soroush**; Majidzadeh-A Keivan; Hemayatkar Mehdi; Barkhrdari Farzaneh; Omid Maryam; Azami Mehrnaz; Adeli Ahmad; Davoudi Noushin; Mahboudi Fereidoun (2010) Expression of a novel chimeric truncated t-PA in CHO cells based on in silico experiments. *Journal of Biomedicine & Biotechnology*, 1-9. doi:108159.
- ✓ Ramazani A, Zakeri S, **Sardari S**, Khodakarim N, Djadid ND.(2010) In vitro and in vivo anti-malarial activity of *Boerhavia elegans* and *Solanum surattense*. *Malaria Journal*, 12(9), 124.

- ✓ Marziyeh Ferdosiyan, **Soroush Sardari** (2010) *In silico* design and selection of antifungal AmB-polyene-analogue lead molecules by virtual screening method, *Avicenna Journal of Medical Biotechnology*, 2(3), 137-143.
- ✓ Ali Ramezani, **Soroush Sardari**, Sedigheh Zakeri, Behrouz Vaziri (2010) *In vitro* antiplasmodial and phytochemical study of five Artemisia species from Iran and *in vivo* activity of two species, *Parasitology Research*, 107, 593-599.
- ✓ Zahra Arabi, **Soroush Sardari** (2010) An Investigation into the Antifungal Property of Fabaceae using Bioinformatics Tools, *Avicenna Journal of Medical Biotechnology*, 2(2), 93-100.
- ✓ Saeed Soltani, **Soroush Sardari**, Sima Azadi Soror, (2010) Computer simulation of a novel pharmaceutical silicon nanocarrier, *Nanotechnology, Science and Applications*, 3, 149-157.
- ✓ Say-yed Hesameddin Tafreshi, Saeed Mirdamadi, Dariush Norouzian, Shohreh Khatami and **Soroush Sardari** (2010) Effect of non-nutritional factors on nisin production, *African Journal of Biotechnology*, 9(9), 1382-1391.
- ✓ **Soroush Sardari**, Mohammad Ali Shokrgozar b, Ghazaleh Ghavami (2009) Cheminformatics based selection and cytotoxic effects of herbal extracts, *Toxicology in Vitro*, 23(7), 1412-1421.
- ✓ Shoeib Moradi, Saeed Soltani, Alireza M. Ansari and **Soroush Sardari** (2009) Peptidomimetics and their Applications in Antifungal Drug Design, *Anti-Infective Agents in Medicinal Chemistry*, 8(4), 1-18.
- ✓ Saeed Soltani, Shima Dianat, and **Soroush Sardari** (2009) Forward Modeling of the Coumarin Antifungals; SPR/SAR Based Perspective, *Avicenna Journal of Medical Biotechnology*, 1(2), 95-103.
- ✓ Keykhosrow Keymanesh, Mohammad Hassan Darvishi, **Soroush Sardari** (2009) Metabolome Comparison of Transgenic and Non-transgenic Rice by Statistical Analysis of FTIR and NMR Spectra, *Rice Science*, 16(2), 119-123.
- ✓ Keykhosrow Keymanesh, Saeed Soltani, **Soroush Sardari** (2009) Application of antimicrobial peptides in agriculture and food industry, *World J Microbiol Biotechnol*, 25, 933-944.
- ✓ Abbas Doosti, Pooria Ghasemi-Dehkordi, Gholam-Reza Javadi, **Soroush Sardari** and Mohammad Ali ShokrgozarResearch (2009) DNA Vaccine Encoding the Omp31 Gene of *Brucella melitensis* Induces Protective Immunity in BALB/c Mice. *Research Journal of Biological Sciences*, 4(1), 126-131.
- ✓ **Soroush Sardari**, Saeed Soltani (2009) Neural Network Modeling in Dithiothreitol Reduction and Ion Treatment of Recombinant Human Insulin Obtained from the Circular Dichroism (CD) Spectral Information, *The Open Bioinformatics Journal*, 7, 1-7.
- ✓ Keykhosrow Keymanesh, Javad Hamed, Shoeib Moradi, Fatemeh Mohammadi Panah, **Soroush Sardari** (2009) Antibacterial, Antifungal and Toxicity of Rare Iranian Plants *International Journal of Pharmacology*, 5(1), 81-85.
- ✓ Najmeh Fahham, Mohammad Hossein Ghahremani, **Soroush Sardari**, Behrouz Vaziri, and Seyed Nasser Ostad (2009) Simulation of Different Truncated p16INK4a Forms and *In Silico* Study of Interaction with Cdk4, *Cancer Informatics*, 7, 1-11.

- ✓ Dezfulian M, Shokrgozar MA, **Sardari S**, Parivar K, Javadi G. (2008) Can phages cause Alzheimer's disease? *Med Hypotheses*, 71, 651–656.
- ✓ Saeed Soltani, Keykhosrou Keymanesh, Soroush **Sardari** (2008) Evaluation of structural features of membrane acting antifungal peptides by artificial neural networks, *Journal of Biological Sciences*, 8(5), 834-845.
- ✓ Gouran SavadKoohi, D., Sadeghipour, P., Attarian, H., **Sardari, S.**, Eslamifar, A., Shokrgozar, M.A. (2008) Cytotoxic effect of drugs eluted from polymethylmethacrylate on stromal giant-cell tumour cells, *Journal of Bone Joint Surgery*, 90B(7), 973-979.
- ✓ Amitis Ramezani, Ali Eslamifar, Latif Gachkarr, Zahra Pournasiri, Mohammad Banifazl, Arezoo Aghakhani, Mohammad Rabbani, Mohammad Amin Faghih, **Soroush Sardari**, Ali Akbar Velayati (2008) High Blood Mercury Levels in Iranian Infants: A Cause for Concern, *Iranian Journal of Pathology*, 3(4), 186-190.
- ✓ Saeed Soltani, Keykhosrou Keymanesh, **Soroush Sardari** (2007) *In Silico* analysis of antifungal peptides (AFPs): Determining the lead template sequence of potent antifungal peptides, *Expert Opinion on Drug Discovery*, 2, 837-847.
- ✓ Rahimpour, M., Soheili M., Eslami, N., Fayaz, A., **Sardari, S.**, Vaziri., B. (2007) Carrier ampholyte isoelectric focusing based two-dimentional electrophoresis in preliminary screening of differential proteomics analysis, *Chromatographia*. 66, 133-136.
- ✓ Haratiam, K. Shahrabadi, M. S. **Sardari, S.** (2007) Buthionine Sulfoximine Inhibits Cytopathic Effects and Apoptosis Induced by Infection with AIK-HC Strain of Measles Virus. *Iranian Biomedical Journal*, 11(4), 229-235.
- ✓ **Sardari, S.**, Dezfulian, M. (2007) Cheminformatics in Anti-infective Agents Discovery, *MRMC, Mini Reviews in Medicinal Chemistry*, 7, 181-189.
- ✓ **Sardari, S.** Dezfulian, M.. (2006) The Eastern Mediterranean Health Genomics and Biotechnology Network Critical for the Region, *Genetic Engineering News*, 26 (12)55.
- ✓ Jalilian, A.R., Bineshmarvasti, M., **Sardari, S.** (2006) Application of Radioisotopes in Inflammation, *Current Medicinal Chemistry*, 13, 959-965.
- ✓ **Sardari, S.**, Dezfulian, M. (2005) Evaluation of SAR for Amphotericin B Derivatives by Artificial Neural Network. *Tropical Journal of Pharmaceutical Research*, 4(2), 517-521.
- ✓ Nguyen-Hai Nam, **Soroush Sardari**, Meredith Selecky and Keykavous Parang (2004) Carboxylic acid and phosphate ester derivatives of fluconazole: synthesis and antifungal activities, *Bioorganic & Medicinal Chemistry* 12, 6255–6269.
- ✓ Jalilian, A.R., Sardari, D., **Sardari, S.** (2004) Application of radioisotopes in antifungal research and fungal disease studies, *Current Medicinal Chemistry, Anti-infective Agents*, 3, 325-338.
- ✓ Carballeira, N.M., Ortiz, D., Parang, K., **Sardari, S.** (2004) Total synthesis and *in vitro*-antifungal activity of (+/-)-2-methoxytetradecanoic Acid. *Arch Pharm (Weinheim)*. 337(3):152-5.
- ✓ Nam, N.H., Pitts, R.L., Sun, G., **Sardari, S.**, Tiemo, A., Xie, M., Yan, B., Parang, K. (2004) Design of tetrapeptide ligands as inhibitors of the Src SH2 domain. *Bioorg. Med. Chem.* 12(4):779-87.

- ✓ **Sardari, S.**, Mori, Y., Kurosawa, T., Daneshtalab, M. (2003) Modulatory effect of cAMP on fungal ergosterol level and inhibitory activity of azole drugs. *Can J. Microbiol.* 49, 344–349.
- ✓ Nam, N.H., **Sardari, S.**, & Parang, K. (2003) Reactions of Solid-Supported Reagents and Solid Supports with Alcohols and Phenols through Their Hydroxyl Functional Group. *Journal of Combinatorial Chemistry*, 5 (19131), 479-546.
- ✓ **Sardari, S.**, Pourmorad, F., Tiemo, A., Nam, H. Parang, K. (2003) Protein Kinases and their Modulation in the Central Nervous System, *Current Medicinal Chemistry-Central Nervous System Agents*, 3, 341-364.
- ✓ **Sardari, S.**, Sardari, D. (2002) Applications of Artificial Neural Network in AIDS Research and Therapy, *Current Pharmaceutical Design*, 8(8):659-670.
- ✓ Iqbal, N., McEwen, C-A., **Sardari, S.**, Daneshtalab, M., Knaus, E. (2000) Evaluation of Methylthio-, Methylsulfinyl-, and Methylsulfonyl- Analogs of Alkanes and Alkanoic Acids as Cardiac Inotropic and Antifungal Agents. *Archiv der Pharmazie – Pharmaceutical and Medicinal Chemistry*, 333, 293-298.
- ✓ **Sardari, S.**, Amin, G.H., Sekhon, A., Micetich, R. G., Daneshtalab, M. (2000) Phytochemical and biological studies of *Diplotaenia damavandica*. *Pharmacy and Pharmacology Communications*, 6, 455-458.
- ✓ **Sardari, S.**, Mori, Y., Horita, K., Micetich, R. G., Nishibe, S., Daneshtalab, M. (1999) Synthesis and Antifungal Activity of Coumarins and Angular Furanocoumarins. *Bioorganic and Medicinal Chemistry*, 7, 1933-1940.
- ✓ **Sardari, S.**, Nishibe, S., Horita, K., Nikaido, T., Daneshtalab, M. (1999) Cyclic AMP phosphodiesterase inhibition by coumarins and furanocoumarins. *Pharmazie*. 54(7), 554-556.
- ✓ **Sardari, S.**, Able, M., Micetich, R. G., Daneshtalab, M. (1999) Antifungal activity of 2'-substituted furanocoumarins and related compounds. *Pharmazie*, 54(2), 156-158.
- ✓ Yu, B.G., Okano, T., Kataoka, K., **Sardari, S.**, Kwon, G.S. (1998) In vitro dissociation of antifungal efficacy and toxicity for amphotericin B-loaded poly(ethylene oxide)-block-poly(beta-benzyl-L-aspartate) micelles. *Journal of Controlled Release*. 56(1-3), 285-291.
- ✓ **Sardari, S.**, Amin, Gh., Micetich, R. G., Daneshtalab, M. (1998) Phytopharmaceuticals: Part I. Antifungal activity of selected Iranian and Canadian plants. *Pharmaceutical Biology*, 36(3), 180-186.
- ✓ **Sardari, S.** (1998) Medicinal Plants, a source of pharmaceuticals. *Razi Pharm. J.* 9(6), 54-64.
- ✓ Nishibe, S., **Sardari, S.**, Kodama, A., Horita, K., Kudo, M., Koike, K., Nikaido, T. (1997) Constituents of bark of *Fraxinus americana*. *Natural Medicine*. 51(5), 482-485.
- ✓ **Sardari, S.**, Mojab, F., Nishibe, S., Miyazaki, Y. (1996) Pharmacy in Iran. *Clinical Pharmacy*. 12(46), 75-85.
- ✓ Parang, K., Knaus, E. E., Wiebe, L. I., **Sardari, S.**, Daneshtalab, M., Csizmadia, F. (1996) Synthesis and antifungal activity of myristic acid analogs. *Archiv der Pharmazie*. 329, 475-482.

- ✓ **Sardari, S.** (1994) Iranian graduate students abroad, a statistical understanding. *Razi Pharm. J.* 5(12), 46-61.
- ✓ Karamati, B., **Sardari, S.**, Amin, G. and Kobarfard, F. (1993) Phytochemical investigation and antifungal properties of *Achillea santolina*. *Pharm.D. Thesis*. Faculty of Pharmacy, Shaheed-Beheshti Univ. of Med. Sci. Tehran, Iran.
- ✓ **Sardari, S.** (1993) Doctrine of Razes in the treatment of infections (review). *Razi Pharm. J.* 4(1), 42-49.
- ✓ **Sardari, S.**, Salehi, M. H., Amin, G., Rafii, T. M. and Sadrai, S. (1991) Isolation, purification and quantification of hyperin from *Hypericum scabrum*. *Pharm.D. Thesis*. Faculty of Pharmacy, Tehran Univ. of Med. Sci. Tehran, Iran.