



## Sadegh Hasannia Ph.D. Associate Professor

Department of Biochemistry, Faculty of Biological Sciences, Tarbiat Modares University)

Tel: (+98)21-82884744, Fax: (+98)21-82884717

[hasannia@modares.ac.ir](mailto:hasannia@modares.ac.ir) , [hasannia1967@gmail.com](mailto:hasannia1967@gmail.com)

2001-2006: Ph.D student, Clinical Biochemistry, Tarbiat Modarres University, Tehran, Iran.

1993-1996: Received M.Sc. in Medical Biochemistry, Tehran University of Medical Sciences, Tehran, Iran

1989-1993: Received B.Sc. in Biology, Faculty of Sciences, Ferdowsi University, Mashhad, Iran

**M.Sc. Project:** Assessment of PGI and ALD Activity and its Isoenzymes Pattern in Mucosal Tissues of Esophagus in Cancerous (SCC) and Healthy Subjects.

**Ph.D. Project:** Assessment of Yeast Intron Insertion on mRNA Level and Expression Rate of Human Alpha 1-Antitrypsin in *Pichia pastoris*.

### Publication:

1	A conformation-based phage-display panning to screen neutralizing anti-VEGF VHHs with VEGFR2 mimicry behavior. S. S. Shahangian · R. H Sajedi · <b>S. Hasannia</b> · S. Jalili · . Mohammadi · M. Taghdir · A. Shali · K. Mansouri · R. Sariri., International Journal of Biological Macromolecules 03/2015
	Optimization of Phage Display-Selected Nanobodies' Structure Against NTR-DR5 Domain Through Docking Shirin Jalili, S. Shahriar Arab, <b>Sadegh Hasannia</b> , Samira Poulakchi Saber, Ammar Mohseni. Journal of Police Medicine,; Vol. 3, No. 4: 221-230, Winter 2015
2	Irisin: A Novel Myokine., B. Farzad, H. Rajabi, <b>S. Hasannia*</b> , R. Gharakhanlou and M. R. Dekhoda, RJMS., Vol. 21, No. 1256, Nov-Dec 2014
3	Purification and Characterization of 50 kDa Extracellular Metalloprotease from <i>Serratia</i> sp. ZF03., N. Salarizadeh, , <b>S. Hasannia*</b> , , K. Akbari Noghabi, and , R. H. Sajedi,
4	The investigation of epsilon toxin effects on different cancerous cell lines and its synergism effect with methotrexate. A. Gholami Sh., <b>S. Hasannia*</b> , N. Pirooznia, and F. Ataiee., Journal of Cancer Research and Therapeutics – 2014, January-March, Volume 10 - Issue 1, 15-20
5	A PLGA-encapsulated protein protects against adherence and toxicity enterotoxigenic <i>Escherichia Coli</i> , S. Nazarian, S. L. Mousavi Gargari, I. Rasooli, . <b>Hasannia</b> , <i>Microbiological Research</i> , ,2014, 169, 205–212
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8	Encapsulation of Alpha-1 antitrypsin in PLGA nanoparticles: In Vitro characterization as pharmaceutical aerosol formulation in pulmonary diseases. N. Pirooznia, <b>S. Hasannia*</b> , A. S. Lotfi and M. Ghanei. <i>Journal of Nanobiotechnology</i> , 2012, <b>10</b> :20 doi:10.1186/1477-3155-10-20
9	Construction of an engineered alpha 1-antitrypsin with inhibitory activity based on theoretical studies. Elham Dasi Sangachini, <b>Sadegh Hasannia*</b> , Majid Taghdir, Nazanin Pirooznia and Kamran Khalili Ghadicholaei. (Accepted in Electronic Journal of biotechnology) 2012
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11	A unique EF-hand in mnemiopsin photoprotein from <i>Menemiopsis Leidyi</i> . Vahab Jafarian, Reyhaneh Sariri, Saman Hoseinkhani, Mahmoud R. Aghamaali, Reza H. Sajedi, Majid Taghdir and <b>Sadegh Hasannia</b> . <i>Biochem. Biophys. Res. Commun.</i> 2011, 413 (2): pp. 164-170
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