

Professor of Pharmaceutics

Education:

Visiting Professor: Department of Pharmaceutical Sciences, Faculty of Pharmacy, University of Toronto, Canada, 2010 – 2012. (Study of physico-chemical properties of nucleic acids and thermodynamics of ligand- DNA).

Post Doc: Department of Pharmaceutical Sciences, Faculty of Pharmacy, University of Toronto, Canada, 2000-2002. (Study of physico-chemical properties of proteins, and thermodynamics of ligand-protein and protein-protein association).

Ph.D.: School of Pharmacy, Mashhad University of Medical Sciences, Mashhad, Iran

Pharm.D. School of Pharmacy, Mashhad University of Medical Sciences, Mashhad, Iran

Publications

Book

Chemical and Natural Surfactants, summer 2007, Vajheganekharad, Mashhad, Iran. (In Farsi)

Papers

1- Beitollahi H., Dehghannoudeh G.R, Mahmoudi Moghaddamm H., Forootanfar H., 2017. A Sensitive Electrochemical DNA Biosensor for Anticancer Drug Topotecan Based on Graphene Carbon Paste Electrode. Journal of The Electrochemical Society, 164 (12): H1-H6.

2- Ohadi M., Dehghannoudeh G.R., Shakibaie M., Banat Ibrahim M, Pournamdari M., Forootanfar H., 2017. Isolation, characterization, and optimization of biosurfactant production by an oil-degrading *Acinetobacter junii* B6 isolated from an Iranian oil excavation site. Biocatalysis and Agricultural Biotechnology 12: 1–9.

3- Mahmoudi Moghaddamm H., Beitollahi H., Dehghannoudeh G.R., and Forootanfard H., 2017. A Label-Free Electrochemical Biosensor Based on Carbon Paste Electrode Modified with Graphene and ds-DNA for the Determination of the Anti-Cancer Drug Tamoxifen. Journal of The Electrochemical Society, 164 (7): B372-B376.

4- Mahmoudi MoghaddamH., Dehghan Noudeh G.R., Basir M. 2016. Evaluation the thermodynamic behavior of nonionic polyoxyethylene surfactants against temperature changes. Pak. J. Pharm. Sci., 29(2): 521-527.

5- SharififarF., Dehghan Noudeh G.R., Moshafi M.H., Ohadi M., Basir M., Yazdanpanah E., Yusefian S., 2015. Antimutagenic activity of major fractions of *Zataria multiflora* Boiss by Ames method. Asian journal of Pharmaceutics. 9(3): 195-199.

6 – Moghaddam H.M., Hadi Beitollahi H., Taji S., Karimi H., Dehghan Noudeh G.R., 2015. Simultaneous determination of norepinephrine, acetaminophen and tryptophan using a modified graphene nanosheets paste electrode. Res Chem Intermed. 41: 6885-6896.

7- Mahmoudi MoghaddamH., Etminan F., Basir M., Mohajeri E., Dehghan Noudeh G.R., 2015. Evaluation of Insulin Stability in the presence of nonionic surface active agents (polysorbate groups) by circular dichroism and fluorescence spectroscopy. Asian J. Biochem. 10(1): 17-30.

8 – Ohadi M., AmirHeidari B., Moshaf M.H.i, Mirparizi A., Basir M., and Dehghan Noudeh G.R., 2014 . Encapsulation of Biosurfactan Producing *Bacillus licheniformis* (PTCC 1320) in Alginate Beads. *Biotechnology*. 13(5): 239-244.

9- Shek Y.L., Dehghan Noudeh G. R., Nazari M., Heerklotz H., Abu-Ghazalah R.M., Dubins D. N., Chalikian T. V., 2014. Folding Thermodynamics of the Hybrid-1 Type Intramolecular Human Telomeric G-Quadruplex. *Biopolymers*. 101(3): 216 – 227.

10- Fariba Sharififar, Gholamreza Dehghan-Nudeh, Zeinab Raeiat, Bagher Amirheidari, Mandan Mosharefi, Amin Purhemati. 2013. Tyrosinase Inhibitory Activity of Major Fractions *Quercus Infectoria* Galls. *Pharmacognosy Communications*. 3(1): 21 – 26.

11- Dehghan Noudeh, G. R., Sharififar F., Dehghan Noodeh, A., Moshafi, M.H., Behravan E., Dehghan Noodeh, A., Rezaeei – Gharaeei R., 2013. Antimutagenicity Activity of Different Fractions of *Zataria multiflora*, *Achillea wilhelmsii* and *Camellia sinensis* using Ames Test. *J. Med. Sci*. 13(6): 459-464.

12- Mohajeri E., and Dehghan Noudeh G.R., 2012. Effect of temperature on the critical micelle concentration and micellization thermodynamic of nonionic surfactants: Polyoxyethylene Sorbitan Fatty Acid Esters. *E-Journal of Chemistry*. 9(4): 2268-2274.

13- Dehghan Noudeh G.R., Moshafi M.H., Dehghan-Noodeh A. and Rezapour M., 2012. Evaluation of the anti-bacterial and anti-tumour activity of two Chroman -4- one derivatives. *Afr. J. of Microbiol. Res*. 6(34): 6319-6324.

14- Naghibi B., Sheibani V., Bagherinia M., Dehghan-Nudeh G.R., Sharififar F., 2011. Anti Anxiety Effect of Ghavoot: A Traditional Nutrient Preparation. *International Journal of Biological chemistry*. 5(5): 322-326.

15 – Dehghan Noudeh G.R., Sharififar F., Khazaeli P., Mohajeri E. and Jahanbakhsh J., 2011. Formulation of herbal conditioner shampoo by using extract of fenugreek seeds and evaluation of its physicochemical parameters *Afri. J of Pharmacy and Pharmacology*. 5(22): 2420-2427.

16- Dehghan Noudeh, G. R., Sharififar F., Behravan E., Mohajeri E., and Alinia V., 2011. Medicinal plants as surface activity modifiers. *J. Med. Plants Res*. 5(22): 5378-5383.

17- Dehghan Noudeh, G. R., Khazaeli P., Behravan E., Ahmadi Afzadi M., Dehghan-Noudeh A., and Hassani M., 2011. Evaluating the toxicity of permeability enhancers of polyethylene glycol Brij ethers surfactants group on cellular membranes and some of their physicochemical properties. *Afr. J. Biotechnol*. 10(48): 9931-9938.

18- Moshafi M.H., Forootanfar H., Ameri A., Shakibaie M., Dehghan Noudeh, G. R., and Razavi M., 2011. Antimicrobial Activity of *Bacillus* Sp. Strain FAS1 isolated from soil. *Pak. J. Pharm. Sci*. 24(3): 269-275.

19- Sharififar F., Derakhshanfar A., Dehghan Noudeh, G. R., Abbasi N., Abbasi R., Rezaei – Gharaei R., and Koohpayeh A., 2011. In vivo Antioxidant Activity of *Zataria Multiflora* Bioss Essential Oil. *Pak. J. Pharm. Sci*. 24(3): 221-225.

- 20- Dehghan Noudeh, G. R., Sharififar F., Dehghan Noodeh, A., Moshafi, M.H., Ahmadi Afzadi, M., Behravan E., Aref M., and Sakhtianchi R., 2010. Antitumor and antibacterial activity of four fractions from *Heracleum persicum* Desf. and *Cinnamomum zeylanicum* Blume. J. Med. Plant. Res. 4(21): 2176-2180.
- 21- Dehghan Noudeh, G. R., Dehghan Noodeh, A., Moshafi, M.H., Ahmadi Afzadi, M., Pardakhti, A., Salandari, M., 2010. Investigating the effects of various additives on surface activity and emulsification index of biosurfactant resulting from broth media of *Bacillus subtilis* PTCC 1023. Afr. J. Microbiol. Res. 4(19): 1981-1990.
- 22- Dehghan Noudeh, G. R., Sharififar F., Basir, M.Z., 2010. Scalp dandruff (symptoms, pathology, and treatment). Razi. 338: 37-42.
- 23- Dehghan Noudeh, G. R., Dehghan Noodeh, A., Moshafi, M.H., Behravan E., Ahmadi Afzadi, M., Sodagar M., 2010. Investigation of cellular hydrophobicity and surface activity effects of biosynthesized biosurfactant from broth media of *Pseudomonas aeruginosa* PTCC 1561. Afr. J. Microbiol. Res. 4(17): 1814-1822.
- 24- Dehghan Noudeh, G. R., Moshafi, M.H., khazaeli, P., Akef, F., 2010. Studies on Bioemulsifier Production by *Bacillus licheniformis* PTCC 1595. Afr. J. Biotechnol. 9(3): 352-356.
- 25- Dehghan-Noudeh, G.R., Sharififar, F. , Khatib, M., Behravan E., Ahmadi Afzadi, M. 2010. Study of hemolytic and surface activities of aqueous extract of three medicinal plant. Afr. J. Biotechnol. 9(1): 110-116.
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- 27- Sharififar F., Moshafi MH., Dehghan GR., Ameri A., Alishahi F., Pourhemati A., 2009. Bioassay screening of the essential oil and various extracts from 4 spices medicinal plants., Pak.J.Sci., 3: 317-322.
- 28- Sharififar F., Moshafi MH., Dehghan GR., Ameri A., Alishahi F., 2009. Evaluation of Cytotoxicity of the Essential Oil and Various Extracts of *Cinnamon* and *Ginger* using Brine Shrimp Lethality Assay (BSL). Journal of Medicinal Plants. 8(30): 110-120.
- 29- Moshafi, M.H., Sharififar F., Dehghan Noudeh, G. R., Ameri, A. 2009. Bioassay Screening of the essential oil and various extracts of fruits of *Heracleum persicum* Desf. And *Rhizomes of Zingiber officinale* Rosc. Using Brine Shrimp Cytotoxicity Assay. IJPR. 8(1): 59-63.
- 30- Sharififar, F. Dehghn-Noudeh, C.R., Mirtajaldini, M., 2009. Major flavonoids with antioxidant activity from *Teucrium polium* L., Food Chemistry, 112: 885-888.
- 31- Dehghan Noudeh, G. R., khazaeli, P., Mirzaei, S., Sharififar F., Nasrollahosaini, S. 2009. Determination of toxicity effect of sorbitan esters surfactants group on biological

membrane. J. Biol. Sci., 9(5): 423-430.

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37- Dehghan Noudeh, G. R., Housaindokht, M.R., Fazly Bazzaz, B.S., 2007. The Effect of temperature on critical micelle concentration and thermodynamic parameters of micellization of some surfactants. J. of Applied Sciences, 7(1): 47-52.

38- Dehghan Noudeh, G.R., Housaindokht, M.R., Fazly Bazzaz, B.S., 2005. Spectroscopic studies on the interaction of human serum albumin (HSA) with surfactin. IJBMS, 8(4), 287-298.

39- Dehghan Noudeh, G.R., Housaindokht, M.R., Fazly Bazzaz, B.S., 2005. Isolation, characterization and investigation of surface and hemolytic activities of a lipopeptide biosurfactant produced by *Bacillus subtilis* ATCC 6633. Korean Journal of Microbiology, 43(3), 272-276.

40- Dehghan Noudeh, G.R., Taulier, N., Chalikian, T.V., 2003. Volumetric Characterization of Homopolymeric Amino Acids. Biopolymers Journal, 70(4), 563-574.

41- Dehghan Noudeh, G.R., Housaindokht, M.R., Fazly Bazzaz, B.S., 2003. Properties and applications of biosurfactants. Journal of Paramedical Sciences, 3, 125-131.

42- Dehghan Noudeh, G.R., Fazly Bazzaz, B.S., Housaindokht, M.R., 2003. Properties and applications of biosurfactants produced by *Bacillus subtilis*. Razi, 164, 670-678.

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