

Bibliography

Personal Information

Name: Ebrahim Vasheghani-Farahani **Date of Birth:** 23/08/1954
Marital Status: Married **Place of Birth:** Farahan
P.O.Box: 14115-114 Tehran, Iran **Tel:** (+98)21-82883338
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Education

| <u>Degree</u> | <u>Institution</u> | <u>Field</u> | <u>Date</u> |
|---------------|----------------------------------|----------------------|-------------|
| BSc | Iran University of Sci. Technol. | Chemical Engineering | 1982 |
| MSc | McGill University (Canada) | Chemical Engineering | 1986 |
| PhD | McGill University (Canada) | Chemical Engineering | 1990 |

Awards

Outstanding Professor in TMU, (top among nearly 500 in all disciplines), 1995 and 2006

Academic Positions

Assistant Professor, Tarbiat Modares University, Tehran, Iran, (1990-2002)

Associate Professor, Tarbiat Modares University, Tehran, Iran, (2002-2006)

Professor, Tarbiat Modares University, Tehran, Iran, (Since 2006)

Research Interest

1. Hydrogels
2. Cell Therapy and Tissue Engineering
3. Drug Delivery Systems
4. Education in Chemical/Biomedical Engineering

Academic Administration

1. Director General, Office of Academic Planning, Tarbiat Modares University (1991-1997)
2. Director General, Office of Universities' Boards of Trustees, Ministry of Sci. Res. Technol. (1998-2001)
3. Consultant to the Minister and Director-General, Ministerial Office, Ministry of Sci. Res. Technol. (2001-2005)
4. Head of Chemical Engineering Department, Tarbiat Modares University (2006-2008)
- 5- Vice President for Research and Technology, Islamic Azad University
(October 2013- May 2017)

Selected Journal Publications (out of 147)

1. Kazemi-Aghdam, F., Jahed, V., Dehghan-Niri, M., Ganji, F., **Vasheghani-Farahani, E.** (2021), Injectable chitosan hydrogel embedding modified halloysite nanotubes for bone tissue engineering, *Carbohydrate Polymers*, 269, 118311.
2. Dehghan-Niri M., **Vasheghani-Farahani E.**, Baghaban Esliminejad M., Tavakol M. and Bagheri F. (2020), Physicomechanical, rheological and in vitro cytocompatibility properties of the electron beam irradiated blend hydrogels of tyramine conjugated gum tragacanth and poly (vinyl alcohol), *Materials Science & Engineering C*, 114, 111073.
3. Jahed V., **Vasheghani-Farahani E.**, Bagheri F., Zarrabi A., Jensen H.H., and Larsen K.L. (2020), Quantum dots- β -cyclodextrin-histidine labeled human adipose stem cells laden chitosan hydrogel for bone tissue engineering, *Nanomedicine: Nanotechnology, Biology and Medicine*, 27, 102217.

4. Jahed V., **Vasheghani-Farahani E.**, Bagheri F., Zarrabi A., Fink T. and Larsen K.L. (2019), Enhanced cellular uptake of phenamil through inclusion complex with histidine functionalized β -cyclodextrin as penetrative osteoinductive agent, *International Journal of Nanomedicine*, 14, 8221–8234.
5. Jafarzadeh-Holagh, S., Hashemi-Najafabadi, S., Shaki, H., **Vasheghani-Farahani E.**, (2018), Self-assembled and pH-sensitive mixed micelles as an intracellular doxorubicin delivery system, *Journal of Colloid and Interface Science*, 523, 179–190.
6. Tarvirdipour S., **Vasheghani-Farahani E.**, Soleimani, M., Bardania, H. (2016), Functionalized magnetic dextran-spermine nanocarriers for targeted delivery of doxorubicin to breast cancer cells, *International Journal of Pharmaceutics*, 501 (1-2), 331-341.
7. Doustgani, A.; **Vasheghani-Farahani, E.**; Soleimani, M.; Hashemi-Najafabadi, S. (2012), Optimizing the mechanical properties of electrospun polycaprolactone and nanohydroxyapatite composite nanofibers, *Composite Part B: Engineering*, 43(4), 1830-1836.
8. Kheradmandnia S., **Vasheghani-Farahani, E.**, Nosrati, M., Atyabi, F. (2010), Preparation and characterization of ketoprofen-loaded solid lipid nanoparticles made from beeswax and carnauba wax, *Nanomedicine: Nanotechnology, Biology, and Medicine*, 6(6), 753-759.
9. Tavakol M., **Vasheghani-Farahani E.**, Dolatabadi-Farahani T. and HashemiNajafabadi S. (2009), Sulfasalazine release from alginate-N, Ocarboxymethyl chitosan gel beads coated by chitosan, *Carbohydrate Polymers*, 77, 326-330.
10. Mokhtari-Hosseini Z.B., **Vasheghani-Farahani E.**, Heidarzadeh-Vazifekhoran A., Shojaosadati S. A., Karimzadeh R. and Khosravi Darani K., (2009), Statistical media optimization for growth and PHB production from methanol by a methylotrophic bacterium, *Bioresource Technology*, 100, 2436–2443.
11. Ganji F., Vasheghani-Farahani S. and **Vasheghani-Farahani E.** (2010), Theoretical description of hydrogel swelling: A review, *Iranian Polymer Journal*, 19 (5), 375-398.

Books:

- N. Naderpour, **E.Vasheghani Farahani**, A. Nejad Salim and S. Eydivand , *Encyclopedia of Polymer Science and Technology*, Vols. 1-3, SBS Publishers & Distributors PVT. LTD, India, 2009.

Patents:

Hejazi P., Shojaosadati S.A., Hamidi Z. and **Vasheghani-Farahani E.**, Solid State Fermentation In Modified Zymotis Packed Bed Bioreactor, Pub.No.: US 2010/0203626 A1, 2010.

Aalaie J., **Vasheghani-Farahani E.** and Rahmatpour A., Modified Polyacrylamide Hydrogel, Pub.No.: US 2012/0101229 A1, 2012.

Nasrollahzadeh Abyazani M., Ganji F., Taghizadeh S. M. and **Vasheghani Farahani E.**, Transdermal patches of the drug-in-adhesive type, i.e. comprising drug in the skin-adhesive layer, Pub. No.: US 20180289629A1, (2018).