CURRUCULUM VITAE

Farhad Bani

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Gender: Male
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Languages:
Farsi — fluent
English — fluent

Education:

Assistant Professor in Medical Nanotechnology (Nanomedicine)
- o   2010-2015. PhD in Nanobiotechnology, Tarbiat Modares University
- o   2000- 2002. MSc in Polymer Chemistry, Amirkabir University of Technology
- o   1996-2000. BSc in Chemistry, University of Tabriz

Title of PhD Thesis:

Design and Synthesis of Graphene Family Materials for Chemotherapy and Photothermal Cancer Therapy

Research Papers

1. One-pot exfoliation, functionalization, and size manipulation of graphene sheets: efficient system for biomedical applications, *Farhad Bani, Ali Bodaghi, Abbas Dadkhah, Soodabeh Movahedi, Narges Bodaghabadi, Majid Sadeghizadeh, Mohsen Adeli,* **Lasers in medical science, 2018**, 33 (4), 795-802

2. Graphene-Polyglycerol-Curcumin Hybrid as a Near-Infrared (NIR) Laser Stimuli-Responsive System for Chemo-Photothermal Cancer Therapy, *Farhad Bani, Mohsen Adeli, Soodabeh Movahedi and Majid Sadeghizadeh,* **RSC Advances, 2016 , 6 (66), 61141-61149**

3. Anticancer Drug Delivery Systems based on Specific Interactions between Proteins and Protein-Resistant Polymers, *Zahra Beiranvand, Farhad Bani, Ali Kakanejadifard, Erik Laurini, Maurizio Fermeglia, Sabrina Pricl and Mohsen Adeli*. **RSC Advances, 2016 , 6 (14), 11266-11277**

4. Preparation and investigation of anticancer effect of nano drug delivery systems for curcumin based on graphene oxide-polyglycerol and reduced graphene oxide**,** *Farhad Bani, Mohsen Adeli and Majid Sadeghizadeh,* **Biotechnology, 2016, 7(20), 50-60**

5. A polyglycerol–polycaprolactone–polycitric acid copolymer and its self-assembly to produce medium-responsive nanoparticles, *Mohsen Adeli, Ali Kakanejadifard, Mehdi Khani, Farhad Bani, Roya Kabiric and Majid Sadeghizad*. **J. Mater. Chem. B, 2014, 2 (23), 3589-3596**

6. Thermo- and pH-sensitive dendrosomes as bi-phase drug delivery systems, *Mohsen Adel, Ali Kakanejadi Fard, Fatemeh Abedi, Beheshteh Khodadadi, Farhad Bani*. **Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9 (8), 1203-1213**

7. Edge-functionalization of graphene by polyglycerol; A way to change its flat Topology, *Soodabeh Movahedi, Mohsen Adeli, Ali Kakanejadi Fard, Mahin Maleki, Majid Sadeghizadeh Farhad Bani.* **Polymer, 2013, 54 (12), 2917-2925**

8. Enzymatic functionalization of nanomaterials: A strategy for engineering their surfaces, *Mahin Maleki, Mohsen Adeli, Ali Kakanejadifard, Soodabeh Movahedi, Farhad Bani.* **Polymer, 2013, 54 (18), 4802-4806**

9. A lanthanide nanoparticle-based luminescent probe for folic acid, *Forugh Gudarzy, Abdolmajid Bayandori Moghaddam,…, Farhad Bani.* **Microchim Acta, 2013, 180 (13-14), 1257-1262**

10. Optimization conditions for determination of cosmetic preservatives using Ion-Exclusion Chromatography, *Sid Kalal, H., Rafiei, J., Bani, F., Khanchi, A.R., Hoveidi, H.* **International Journal of Environmental Research, 2010, 4 (2), 289-296**

11. Evaluation of the factors affecting the phosphine residue in the fumigation-aeration process of stored wheat using orthogonal array design, *Khanchi, A.R., Moein, M., ..., Bani, F., Mahani, M.K.* **Food Analytical Methods, 2010, 3 (3), 169-174**

12. Simultaneous spectrophotometric determination of caffeine and theobromine in Iranian tea by artificial neural networks and its comparison with PLS**,** *Khanchi, A.R., Khayatzadeh Mahani, M., Hajihosseini, M., (…), Chaloosi, M., Bani, F.* **Food Chemistry, 2007, 103 (3), 1062-1068**

13. Polystyrene grafted to ABS backbone by "living" radical polymerization with TEMPO, *Bani, F., Abbasian, M., Taromi, F.A., Entezami, A.A. ,* **Iranian Polymer Journal, 2004, 13 (6), 511-518**

Research Interests:

Cancer Nanotechnology

Nano-Biosensor, Point of Care device

Technical Skills

Software and Web Based Knowledge including

1. All standard of Microsoft office software

2. SPSS

3. Scientific and General Database Search

4. Operating systems: Microsoft windows

5. Endnote software

Laboratory Knowledge including

1. Cell Cultures
2. Flow Cytometry
3. MTT and viability test
4. Synthesis of different types of nanoparticles for biomedical applications
5. Fluorescent and Confocal microscopy
6. Electron Microscopy and SPM
7. UV, Fluorescence, CD spectroscopy
8. NMR, FTIR, Raman spectroscopy