MOHSEN AADELI (MALE)

Date of birth:	June 30, 1972
Nationality:	Iranian
Address:	Freie Universität Berlin, Takustr 3, 14195 Berlin, Germany
Phone:	+49 0(30) 838 58083
Email:	m.aadeli@fu-berlin.de
Homepage:	http://www.chemie.fu-berlin.de/cgibin/personen_en?Prof.+Dr.+Mohsen+Adeli
Position:	Professor of Organic Chemistry
Family	Two children (8 years old)

EDUCATION

2007 - 2008	Postdoctoral Researcher Institute for Nanoscience and Nanotechnology of Sharif University of Technology
1999 - 2004	PhD. Faculty of Chemistry, Tabriz University

PROFESSIONAL BACKGROUND

Since 2014	Guest professor, Freie Universität Berlin
Since 2013	Full professor, Lorestan University
2010-2013	Associate professor, Lorestan University
2008-2009	Guest professor, Sharif Univeristy of Technology
2005-2007	Assistant professor, Lorestan University

RESEARCH INTERESTS AND SCIENTIFIC FOCUS

Synthesis of dendrimers and hyperbranched polymers and their biomedical applications. Functionalization of carbon based nanomaterials including carbon nanotubes, graphene and fullerene by different types of polymers and by covalent and noncovalent approaches, biomedical applications of carbon based nanomaterial-polymer conjugates, synthesis of complex hybrid systems consisting of carbon based nanomaterials, metal nanomaterials and polymers or copolymers, nondestructive functionalization of graphene and carbon nanotubes, synthesis of heparin-mimetic carbon based nanomaterials.

FURTHER PROFESSIONAL QUALIFICATIONS

2015, 2016, 2017	Iranian Academic Excellence Federation
2017	Lorestan University
2013	Iranian Nanotechnology Initiative Council for the most developed professors
2012	Razi Festival award from Ministry of Health and Medical Education, Iran

SCIENTIFIC OUTPUT

106 peer reviewed publications and 20 supervised doctoral theses, H index 25, total citations 2089.

SELECTED PUBLICATIONS

1. M. Adeli, F. Abedi, A. Kakanejadi Fard, B. Khodadadi, F. Bani. “Thermo- and pH-sensitive dendrosomes as bi-phase drug delivery systems”. Nanomedicine: NBM **2013**, *9*, 1203.

2. M. Adeli, A. Kakanejadifard, M. Khani, F. Bani, R. Kabiri. “A polyglycerol-polycaprolactone-polycitric acid copolymer and its self-assembly to produce medium-responsive nanoparticles”. *J. Mater. Chem. B*, **2014**, *2*, 3589.

3. R. Soleyman, **M. Adeli**. “Impact of dendritic polymers on nanomaterials”. *Polym. Chem*. **2015**, *6*, 10.

4. I. Donskyi, K. Achazi, V. Wycisk, C. Böttcher, **M. Adeli**. “Synthesis, self-assembly, and photocrosslinking of fullerene-polyglycerol amphiphiles as nanocarriers with controlled transport properties”, *Chem. Commun.,* **2016**, 52, 4373.

5. Z. Tu, K. Achazi, A. Schulz, R. Mülhaupt, S. Thierbach, E. Rühl, **M. Adeli**, R. Haag. “Combination of Surface Charge and Size Controls the Cellular Uptake of Functionalized Graphene Sheets”. *Adv. Funct. Mater.* **2017**, 1701837.

6. M. Fardin Gholami, D. Lauster, K. Ludwig, J. Storm, B. Ziem, N. Severin, C. Böttcher, J. P. Rabe, A. Herrmann, **M. Adeli**, R. Haag. “Functionalized Graphene as Extracellular Matrix Mimics: Toward Well-Defined 2D Nanomaterials for Multivalent Virus Interactions”, *Adv. Funct. Mater.* **2017**, 1606477.

7. A. Faghani, I. Donskyi, M. Fardin Gholami, B. Ziem, A. Lippitz, W. E. S. Unger, C. Böttcher, J. P. Rabe, R. Haag, **M. Adeli**. “Controlled Covalent Functionalization of Thermally Reduced Graphene Oxide under Mild Conditions – Towards Well-Defined Bifunctional 2D Nanomaterials”, *Angew. Chem. Int. Ed.* **2017**, 56, 2675.

8. A. Setaro, **M. Adeli**, M. Glaeske, D. Przyrembel, T. Bisswanger, G. Gordeev, F. Maschietto, A. Faghani, B. Paulus, M. Weinelt, R. Arenal, R. Haag, S. Reich. “Preserving p-conjugation in covalently functionalized carbon nanotubes for optoelectronic applications”, *Nature Communications*, **2017**, 8, 14281, DOI: 10.1038/ncomms14281.

9. Z. Tu, H. Qiao, Y. Yan, G. Guday, W. Chen, M. Adeli, R. Haag. “Directed Graphene-Based Nanoplatforms for Hyperthermia-Overcoming Multiple Drug Resistance“, *Angew. Chem. Int. Ed.* **2018**, 57, 11198.

10. I. S. Donskyi, M. Drüke, K. Silberreis, D. Lauster, K. Ludwig, C. Kühne, C. Böttcher, A. Herrmann, J. Dernedde, M. Adeli, R. Haag. “Interactions of Fullerene-Polyglycerol Sulfates at Biointerfaces“, *Small*, **2018**, *14*, 1800189.

PATENTS

1. F.Atyabi, **M. Adeli**, Z. Sobhani, R. Dinarvand, M. H. Ghahremai. Poly(citric acid) functionalized carbon nanotube drug delivery system, publication no. USPTO-2010-0324315-A1. Publication date. December 23, **2010**.

2. M. Adeli, M. Kalantari, M. Sagvand. Hybrid nanomaterials consisiting of pseudorotaxanes, pseudopolyrotaxanes, rotaxanes, polyrotaxanes, nanoparticles, and quantum dots, publication no. USPTO 13-028,396. February 16, **2011**.

3. M. Adeli, F. Saadatmehr, M. Kalantari, B. Rasoolian. Hyperbranched polyesters and a method of synthesizing a hyperbranched polyester (dendritic poly(citric acid-co-glycerol) copolymers). Publication no. USPTO13/044,053. Publication date. March 9, **2011**.

4. M. Adeli, M. Bavadi, M. Ashiri, M. Hamid, S. Beyranvand. Preparation of vesicle-type carbon nanotubes. Publication no. USPTO13/067,546. Publication date. February **2012**.

5. R. Haag, **M. Adeli**, B. Ziem. Controlled functionalization of carbon based nanomaterials. WO 2016050351 A1. **2014**.

6. R. Haag, **M. Adeli**, E. Mohamadifar, F.Zabihi, M. Ferraro. Synthesis of biodegradable polyglycerolsulfates as extracellular matrix mimic. 2018, EU patent. Filling.