


## PERSONAL INFORMATION

## Zahida Ademovic

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Sex F | Date of birth May 17, 1969 | Nationality Bosnian

## POSITION

Associate professor at University of Tuzla

## WORK EXPERIENCE

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- 02/2016-present** Associate professor at University of Tuzla
- 02/2011-01/2016** Assistant professor at University of Tuzla;  
Undergraduate and postgraduate teaching in Organic chemistry (basic organic chemistry, macromolecules, polymers, biopolymers, chemistry of natural products), raising and managing funding from national and international funding agencies and industry, publishing research articles, supervising postgraduate students, performing assigned departmental duties of an administrative nature.
- 10/2011-10/2015** Vice-dean for student affairs at Faculty of Pharmacy, University Tuzla  
Coordinated the assessment and developed academic programs within the faculty, ensured quality assurance and management of courses, discussed, reviewed and approved student's examinations and assessment tools, responsible for organizing of courses and examinations plan, interaction with academic staff and students, curriculum development
- 09/2005-01/2011** Development manager, Farmacija d.o.o. Tuzla, Bosnia and Herzegovina;  
Responsible for development of novel drug with immunomodulatory and anti-inflammatory activities (production, quality control, DMF development, regulatory issues, budget planning).
- 08/2003-08/2005** Post-Doc, Risø National Laboratory, Roskilde, Denmark;  
Designing of material-tissue interface to modulate biological response and improve biocompatibility of medical devices. Development of analytical techniques for characterization of interfaces (IR-, Raman and UV spectroscopy, XPS, HPLC, MALDI-TOF-MS, TOF-SIMS, AFM).
- 09/2002-08/2003** Research scientist at the Institute for Technical Chemistry and Macromolecular Chemistry, RWTH Aachen University, Germany;  
Managing interdisciplinary research collaborative projects in biomaterials field, teaching assistant in biomaterials courses
- 05/1999-09/2002** Research assistant at the Institute for Technical Chemistry and Macromolecular Chemistry, RWTH Aachen University, Germany;  
Developing of materials for biomedical applications, developing analytical techniques and bionalaytical assays for characterization of interfaces and biocompatibility of materials.



**Publications Citations: >300**

- 1) **Ademovic Z**, Salber J, Klee D, Interaction of insulin and polymer surface investigated by surface-MALDI-TOF-mass spectrometry, *Cro Chem Acta*, **88**, 2015, 213-219
- 2) **Ademovic Z**, Kerleta-Tuzovic V, Osmancevic I, Saric-Kundalic B, Immunoliposomes – Properties and *in-vivo* Transport, *Pharmacia*, **1**, 2015, 5-14
- 3) Pilipovic S, Pilipovic B, Uzunovic A, Elezovic A, Boric A, **Ademovic Z**, HPLC fingerprint of *Potentilla reptans* L. (Rosaceae), *Planta Med*, **80**, 2014, P2036
- 4) Pilipovic S, Pilipovic B, Uzunovic A, Elezovic A, Boric A, **Ademovic Z**, Content of total phenolics and antioxidant capacity of plant species *Aremonia agrimonoides* (L.) DC (Rosaceae), *Planta Med*, **80**, 2014, LP3
- 5) **Ademovic Z**, Maric S, Kingshott P, Ilickovic Z, Hydrogels from polyacrylic acid for reduction of bioadhesion on silicone contact lenses, *Contemporary Materials*, **5**, 2014, 95-100
- 6) **Ademovic Z**, Klee D, Surface modification of poly(vinylidene fluoride) to minimise protein adsorption, *Technologica Acta*, **5**, 2012, 21-27
- 7) **Ademovic Z**, Gonera A, Mischnick P, Klee D, Biocompatible surface preparation using amino-functionalized amylase, *Biomacromolecules*, **5**, 2006, 1429-1432.
- 8) **Ademovic Z**, Holst B, Kahn RA, Joerring I, Brevig T, Wei J, Hou X, Winter-Jensen B, Kingshott P, The method of surface PEGylation influences leukocyte adhesion and activation, *J Mater. Sci. – Mater. Med.*, **17**, 2006, 203-211.
- 9) Bremmell KE, Kingshott P, **Ademovic Z**, Winther-Jensen B, Griesser HJ, Colloid-Probe AFM Investigation of Interactions between Fibrinogen and PEG-Like Plasma Polymer Surfaces, *Langmuir*, **22**, 2006, 313-318.
- 10) Groll J, **Ademovic Z**, Ameringer T, Klee D, Moeller M, A comparison of star PEG derived coatings and grafted linear PEG for biological and medical applications. *Biomacromolecules*, **6**, 2005, 956-962.
- 11) **Ademovic Z**, Holst B, Hou X, Leukocyte adhesion and activation on PEGylated polymer surfaces. *J Biotechnol*, **118**, 2005, 37
- 12) **Ademovic Z**, Wei J, Winther-Jensen B, Hou X, Kingshott P: Surface modification of PET films using pulsed AC plasma polymerisation aimed at preventing protein adsorption. *Plasma Processes and Polymers*, **2**, 2005, 53-63.
- 13) Brevig T, Holst B, **Ademovic Z**, Rozlesnik N, Roehrmann JH, Larsen NB, Hansen OC, Kingshott P: The recognition of adsorbed and denaturated proteins of different topographies by  $\beta_2$  integrins and effect on leukocyte adhesion and activation. *Biomaterials*, **26**, 2005, 3039-3053.
- 14) Klee D, **Ademovic Z**, Hoecker H, Bosserhoff AK, Maziolisc G, Erli HJ: Surface modification of polyvinylidene fluoride to improve the cell adhesion. *Biomaterials*, **24**, 2003, 3663-3670.
- 15) Steuer S, Kunz D, **Ademovic Z**, Salber J, Obolenski B, Klee D: Release of gentamicin from surface modified PVDF mesh materials for infection prophylaxis. *Int J Artif Org.*, **26(7)**, 2003, 637.
- 16) **Ademovic Z**, Klee D, Kingshott P, Hoecker H: Minimization of protein adsorption on polyvinylidene fluoride. *Biomolecular Engineering*, **19**, 2002, 177-182.
- 17) Schrade P, Klein H, Egry I, **Ademovic Z**, Klee D: Hydrophobic volume effect in albumin solutions. *J. Coll. Interf. Sci.*, **234**, 2001, 445-447.

**BOOKS**

- 1) Milicevic D, Orucevic-Zuljevic S, **Ademovic Z**: Od kakao zrna do čokolade, (From cacao beans to chocolate), Off-set Tuzla, 2015
- 2) **Ademovic Z**, Kingshott P: Micro- and Nanoscale Surface Patterning Techniques for Localising Biomolecules and Cells: The Essence of Nanobiotechnology. In: *Surfaces and Interfaces for Biomaterials*, 150-171, (P. Vadgama, Ed.) Woodhead Publishing Ltd., London