

LIDIJA ČURKOVIĆ, Scientific Personal Identification Number: 189524

Date and place of birth: May 3, 1966, Tomislavgrad (Bosnia and Herzegovina)

Affiliation: University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Croatia

Status: Full Professor

Research fields: Materials science and characterization (synthesis and characterization of photocatalytic nanostructured sol-gel TiO₂ based films).

Academic background:

- PhD in Chemistry, University of Zagreb Faculty of Chemical Engineering and Technology, (1999)
- MSc in Chemistry, University of Zagreb, Faculty of Chemical Engineering and Technology, (1995)
- Degree in Chemical Technology, University of Zagreb, Faculty of Chemical Engineering and Technology, (1990)

Professional experience:

- Full Professor (2012-present), Faculty of Mechanical Engineering and Naval Architecture
- Associate Professor (2008-2012), Faculty of Mechanical Engineering and Naval Architecture
- Assistant Professor (2003-2008), Faculty of Mechanical Engineering and Naval Architecture
- Senior Assistant (2000-2003), Faculty of Mechanical Engineering and Naval Architecture
- Young researcher (1991-2000), Faculty of Chemical Engineering and Technology

Projects:

National projects:

- 2015-2019 Fate of pharmaceuticals in the environment and during advanced wastewater treatment (PharmaFate), project participant
- 2007-2014 Structure and properties of engineering ceramics and ceramic coatings, project leader
- 2012-2013 Development of slip casting process of ceramic composites, project leader
- 2002-2006 Disposal of the ferrous metallurgy waste and investigation of possibilities for using it, participant
- 2002-2006 Tribological coatings, participant
- 2001-2006 Managing the friction and abrasion processes by application of the tribological materials, participant
- 1998-2000 Natural zeolites in purification of the wastewaters of chemical industry, project leader
- 1996-2000 Ionic exchangers in preservation of the waters of chemical industry, participant

International projects:

- 2007-2009 Characterization of composition and mechanical properties of PVD ceramic coatings, Croatia-Slovenia bilateral project, Croatian project leader

Publications:

HIRSCH INDEX: 11 (July 2015, Scopus)

Times cited: 563 (July 2015, Scopus)

SCI papers: 60 (45 in CC journals)

Book chapters: 5

3 the most important publications in respectable peer reviewed scientific journals:

1. S. Šegota, L. Čurković, D. Ljubas, V. Svetličić, I. Fiamengo Houra, N. Tomašić, Synthesis, characterization and photocatalytic properties of sol-gel TiO₂ films, *Ceramics International* **37**(2011)1153-1160. IF=1.686, Q1, Times cited=21.
2. M. Rožić, Đ. Ivanec Šipušić, L. Sekovanić, S. Miljanić, L. Čurković, J. Hrenović, Sorption phenomena of modification of clinoptilolite tuffs by surfactant cations, *Journal of Colloid and Interface Science* **331**(2009)295-301. IF=3.019, Q1, Times cited=29.
3. I. Rezić, L. Čurković, M. Ujević, Simple methods for characterization of metals in historical textile threads, *Talanta* **82**(2010)237-244. IF=3.257, Q1, Times cited=5.