

DAVOR LJUBAS, Scientific Personal Identification Number: 213585

Date and place of birth: September 28, 1970, Vukovar (Croatia)

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

Status: Associated professor, Head of Laboratory for Water, Fuels and Lubricants

Research fields: Water treatment technologies – advanced oxidation processes (UV/TiO₂, UV/H₂O₂, UV/O₃, H₂O₂/O₃)

Academic background:

- PhD in Technical sciences, University of Zagreb (2004)
- Master of Science in Technical sciences, University of Zagreb (2000)
- Bachelor of science in Mechanical Engineering, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture (1996)

Professional experience:

- Associated professor (2012 - present), Faculty of Mechanical Engineering and Naval Architecture
- Head of Laboratory for Water, Fuels and Lubricants, Faculty of Mechanical Engineering and Naval Architecture
- Assistant professor (2007 – 2012), Faculty of Mechanical Engineering and Naval Architecture
- Scientific novice (1996 – 2007), 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

2012–2013, Environmental acceptability and efficiency of modern water treatment processes (120-1253092-3021), financed by MSES of Croatia, project leader

2007–present, Environmental acceptability and efficiency of modern water treatment processes (120-1253092-3021), financed by MSES of Croatia, project participant

2002–2006, Investigations of water treatment processes (0120026), financed by MSES of Croatia, project participant

1997–2002, Technological processes in water treatment systems (120040), financed by MSES of Croatia, project participant

1996–1997, Degasification and Influence of Dissolved Gases on Water Character, financed by MSES of Croatia, project participant

International projects:

EU Project: "Technical Assistance for Management of Environmental Protection Operational Programme (EPOP)" which is led by international consortium: SOGES S.p.A., SIA ELLE, IDOM, LEGMC and ZIH, contract no. IPA 2007/HR/16/IPO/003-020210, participant as an expert for area Water/Wastewater

Publications:

HIRSCH INDEX: 4 (July 2015, Scopus)

Times cited: 92 (July 2015, Scopus)

SCI papers: 11 (10 in CC journals)

Book chapters: 2

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

1. L. Ćurković, D. Ljubas, S. Šegota, I. Bačić, Photocatalytic degradation of Lissamine Green B dye by using nanostructured sol-gel TiO₂ films, *Journal of alloys and compounds*, **604**(2014)309-316. IF=2.726, Q1, Times cited=0 (SCOPUS)
2. S. Šegota, L. Ćurković, D. Ljubas, V. Svetličić, I. FiamengoHoua, N. Tomašić, Synthesis, characterization and photocatalytic properties of sol-gel TiO₂ films, *Ceramics international*, **37**(2011)1153-1160. IF=1.751, Q1, Times cited=23 (SCOPUS)
3. D. Ljubas, Solar photocatalysis - a possible step in drinking water treatment, *Energy*, **30**(2005)1699-1710. IF=0.685, Q2, Times cited=33 (SCOPUS)