PERSONAL INFORMATION

Tünde Alapi

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Sex Female | Date of birth 10/09/1974 | Nationality Hungarian

WORK EXPERIENCE

from 2015 assistant professor
2007-2015 assistant lecturer

University of Szeged, Department of Inorganic and Analytical Chemistry, Hungary, Szeged, H-6720, Dom ter 7.
Type of business or sector: Basic and applied research, Chemistry, University

Main activities and responsibilities:
Studies of the degradation processes of emerging pollutants (mainly aromatic compounds and pesticides, pharmaceuticals) by Advanced Oxidation Processes (UV, VUV photolysis, ozonation, heterogeneous photocatalysis), determination of the degradation product using HPLC-MS and GC-MS and their toxicity by ecotoxicology standard tests, synthesize and characterization of the photocatalysts, immobilization of TiO_2 photocatalyst

Supervision of PhD, BSc and MSc students.

Education:
Teacher of the analytical laboratory training and lecturer of the Chemistry of Ozone, Advanced Oxidation Processes, Insurance Quality courses and Analytical Chemistry course for MSc and BSc students

Participation in different scientific projects related to the application of various Advanced Oxidation Processes.
Preparation of new research proposals submitted to national and EU programs.

2002-2005

Replace with EQF (or other) level if relevant

PhD in Environmental Chemistry
principal subjects covered/skills: Environmental Chemistry and Analytical Chemistry
University of Szeged, Faculty of Science
Doctoral School of Environmental Sciences
Level in national or international classification: PhD *(summa cum laude)*
supervisor: Prof Dr. Dombi András
Title of PhD thesis work:
Application of low-pressure mercury vapor lamps for elimination of organic pollutants in air and water

1996 – 2002

Chemist
principal subjects covered/skills: Chemistry
University of Szeged, Faculty of Science
Level in national or international classification: MS

1993 - 1999

Teacher of chemist and physics
principal subjects covered/skills: Chemistry and physics
University of Attila József, Faculty of Science
Level in national or international classification: MS

Mother tongue(s): Hungarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1 PROFICIENT USER	C1 PROFICENT USER	C1 PROFICENT USER	C1 PROFICENT USER	C1 PROFICENT USER
	Lighthouse Language Learning School, Hungary				
French	B2 Basic user	B1 Basic user	B2 Basic user	B1 Basic user	B1 Basic user
	Centre for Advanced Language Learning, Hungary.				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

EDUCATION AND TRAINING

PERSONAL SKILLS

Communication skills: Good communication skills gained through my experience as teacher of the laboratory training and lecturer of various courses at the University of Szeged and speaker at several national and international conferences

Organisational / managerial skills

- organiser of the education of the Doctoral School of Environmental Sciences at the University of Szeged from 2007 as administrator of the Doctoral School and ETR referent
- organiser of the 21st and 22nd International Symposium on Analytical and Environmental Problems in 2015 and 2016 (http://www2.sci.u-szeged.hu/isaep/index.htm)
- organisation of publicity and workshop within the framework of "*Optimization of Cost Effective and Environmentally Friendly Procedures for Treatment of Regional Water Resources*" project (Hungary-Serbia IPA Cross-border Co-operation Program (2010-2011))

Job-related skills

- writing and coordination of the scientific projects
- able to work as part of a team and on own initiative
- commitment to continuing personal development
- good technical skills and competences (The following instruments are used during my work: HPLC-MS, GC-MS, UV-Vis spectrophotometer and fluorimeter, AOX, TOC analyser))

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
BASIC USER	BASIC USER	BASIC USER	BASIC USER	BASIC USER

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

X

Microsoft Office Word, Excel, PowerPoint; Data bases of Web of Science, Science Direct; Corel Draw, Adobe Reader, EndNote and other instrument software are used. My work includes everyday using of these software's.

Driving licence

B category

ADDITIONAL INFORMATION

10 most important publications

Comparison of various advanced oxidation processes for the degradation of phenylurea herbicides
Kovacs, Krisztina; Farkas, Janos; Vereb, Gabor; Alapi Tünde et al..
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART B-PESTICIDES FOOD CONTAMINANTS AND AGRICULTURAL WASTES Vol51 Issue: 4 Pages: 205-214 Published: 2016

New insights regarding the impact of radical transfer and scavenger materials on the (OH)-O-center dot-initiated phototransformation of phenol
Kozmer, Zsuzsanna; Arany, Eszter; Alapi, Tünde; et al.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 314 Pages: 125-132 Published: 2016

Vacuum ultraviolet photolysis of diclofenac and the effects of its treated aqueous solutions on the proliferation and migratory responses of Tetrahymena pyriformis
Arany, Eszter; Lang, Julia; Somogyvari, David; Alapi Tünde et al.
SCIENCE OF THE TOTAL ENVIRONMENT Volume: 468 Pages: 996-1006 Published: 2014

Degradation of naproxen by UV, VUV photolysis and their combination
Arany, Eszter; Szabo, Rita Katalin; Apati, Laszlo; Alapi Tuende et al.
JOURNAL OF HAZARDOUS MATERIALS Volume: 262 Pages: 151-157 Published: 2013

Comparison of the UV-Induced Photolysis, Ozonation, and Their Combination at the Same Energy Input Using a Self-Devised Experimental Apparatus
Alapi, Tünde; Berecz, Lajos; Arany, Eszter; et al.
OZONE-SCIENCE & ENGINEERING Volume: 35 Issue: 5 Pages: 350-358 Published: 2013

Degradation of thiamethoxam and metoprolol by UV, O-3 and UV/O-3 hybrid processes: Kinetics, degradation intermediates and toxicity
Sojic, D.; Despotovic, V.; Orcic, D.; Alapi Tünde et al.
JOURNAL OF HYDROLOGY Volume: 472 Pages: 314-327 Published: 2012

Comparison of UV- and UV/VUV-induced photolytic and heterogeneous photocatalytic degradation of phenol, with particular emphasis on the intermediates
By: Alapi, Tünde; Gajda-Schrantz, Krisztina; Ilisz, Istvan; et al.
JOURNAL OF ADVANCED OXIDATION TECHNOLOGIES Volume: 11 Issue: 3 Pages: 519-528 Published: 2008

Synthesis, structure and photocatalytic properties of Fe(III)-doped TiO(2) prepared from TiCl(3)
By: Ambrus, Zoltan; Balazs, Nandor; Alapi, Tünde; et al.
APPLIED CATALYSIS B-ENVIRONMENTAL Volume: 81 Issue: 1-2 Pages: 27-37 Published: 2008

Comparative study of the UV and UV/VUV-induced photolysis of phenol in aqueous solution
Alapi, Tünde; Dombi, Andras
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY Volume: 188 Issue: 2-3 Pages: 409-418 Published: 2007

Synthesis and characterization of titania photocatalysts: The influence of pretreatment on the activity
Alapi, T; Sipos, P; Ilisz, I; et al.
APPLIED CATALYSIS A-GENERAL Volume: 303 Issue: 1 Pages: 1-8 Published: 2006

Complete publication list (link)
Number of independent citations

mtmt register: 10027600 webpage: https://www.mtmt.hu/
389
Impact faktor: 40.43
H-index: 8

Number of conferences (link)
Number of book chapter
Number of book

90
2
1

Honours and awards

2002 Thesis work, Awards of Hungarian Chemical Society
2003 High Quality Thesis work, Awards of Ministry of Environment and Water
2009 II. Awards of Sigma-Aldrich
2013-2014 Magyary Zoltán postdoctoral fellowship (16 months)
2015 Award of National Excellence

Memberships

Doctoral School of Environmental Sciences at the University of Szeged
Doctoral School of Chemistry at the University of Szeged
Hungarian Chemical Society

Projects

Participation in 17 national and international project, most of them related to the environmental chemistry