

CURRICULUM VITAE



Personal information

First name / Surname

Asta JUDŽENTIENĖ

Address(es)

Home: K. Kalinausko 9/7-6, LT-03107, Vilnius, Lithuania
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Education

Dates **1993-1998**

Title of qualification awarded Doctor diploma, Physical Sciences (Chemistry), 1998-12-16.

Principal subjects/occupational skills Thesis: "Separation and determination of inorganic anions and cations by ion-pair chromatography using complexation reactions" (superv. Prof. A. Padarauskas)

Name and type of organisation Post-graduate studies: Vilnius University and Institute of Chemistry

Dates **1985-1990**

Title of qualification awarded Diploma in Chemistry

Principal subjects/occupational skills Analytical chemistry specialization

Name and type of organisation Faculty of Chemistry, Vilnius University

Work experience

Dates **2008 to date**

Occupation or position held Senior research fellow,
Head of Laboratory of Organic Analysis, Center for Physical Sciences and Technology, Organic Chemistry Department

Main activities and responsibilities Investigation of bioactive compounds in aromatical and medical plants (by GC, GC/MS and HPLC/MS techniques, bioactivity tests (toxicity, antioxidant and antimicrobial activities))

Type of business or sector Organic Chemistry Department, Laboratory of Organic Analysis

Dates **1999-2008**

Occupation or position held Research fellow, Institute of Chemistry

Main activities and responsibilities Analysis of inorganic compounds and contaminants (HPLC, IR/UV spectroscopy)

Investigation of volatile organic compounds (essential oils) in aromatical and medical plants (by GC and GC/MS techniques)

Analysis of pesticides (GC/MS, FTIR spectroscopy)

Type of business or sector	Department of Electrochemical Kinetics, Organic Chemistry Department
Dates	1993-1998
Occupation or position held	Chemist-engineer, Institute of Chemistry
Main activities and responsibilities	Research in electrochemistry
Type of business or sector	Department of Electrochemical Kinetics
Dates	1990-1993
Occupation or position held	Research assistant, Vilnius University
Main activities and responsibilities	Analytical chemistry
Type of business or sector	Faculty of Chemistry, Inorganic and Analytical Chemistry Department
Projects and Grands	During period 2010-2020
Dates	2019-2024
Title	Horizon 2020 , European Joint Programme on Radioactive Waste Management EURAD CORI
Responsibilities	Responsible for Task 2
Dates	2014
Title	Leonardo da Vinci internship programme "Marco Polo" No. 2013-1-IT1-LEO02-03942,
Responsibilities	Supervisor
Date	2012-2014
Title	„Developing secure chemical industry and promoting the scientists and other researchers in R&D activities“ No. VP1-3.1-ŠMM-08-K-01-014,1200-SF23
Responsibilities	Participant (Coordinator Dr. S. Asadauskas)
Funding Agency	European Social Fund Agency, Lithuanian: Ministry of Education and Science
Date	2013
Title	Programme „APR 2013 du Réseau des Observatoires Hommes-Milieux (APR OHM 2013)“ "Ethnobotanique des sites pollués en zone littorale méditerranéenne: potentiel de valorisation" (ESPoLi - Med) France (Georgia, Lithuania)
Responsibilities	Participant (Supervision: Dr. B. Baghdikian, France)
Funding Agency	OHM Littoral Méditerranéen (France)
Date	2012
	Grant EGIDE (France), No. 744531H (UMR-MD3 Aix-Marseilles II University, Faculté de Pharmacie, Pharmacognosie-Ethnopharmacologie)
Research interests	Secondary metabolites of medical and aromatical plants
Research techniques	Chromatography (GC, HPLC), spectrometry, spectroscopy, bio-activity tests
Scores	Scopus: h=16, citations 670, documents 48 Research Gate: h=18, citations 1056, RG Score 26.42, documents 65
Mother tongue(s)	Lithuanian

Other language(s) Russian, English, French, Spanish

Self-assessment
European level (*)

Russian
English
French
Spanish

Understanding		Speaking		Writing			
Listening		Reading		Spoken interaction		Spoken production	
	C2		C2		C2		C1
	C1		C2		C1		C2
	B1		B2		B1		B1
	A2		A2		A2		A2

(*) Common European Framework of Reference for Languages

Publications

Chapters of Books

1. **A. Judžentienė**. Hyssop (*Hyssopus officinalis*) oils. Essential Oils in Food Preservation, Flavor and Safety. (Ed.: V. R. Preedy) Part II, Chapter 53, (2016), p. 471-479.
2. **A. Judžentienė**. Wormwood (*Artemisia absinthium* L.) oils. Essential Oils in Food Preservation, Flavor and Safety. Ed.: V. R. Preedy. Part II, Chapter 97, (2016), p. 849-856.

Articles in the WoS journals

Ten the most important (selected from 62):

1. **A. Judzentiene**, J. Budiene, J. Svediene, R. Garjonyte. Toxic, radical scavenging, and antifungal activity of *Rhododendron tomentosum* H. essential oils. *Molecules* (2020) 25, 1676 (1-17) doi:10.3390/molecules25071676.
2. **A. Judžentienė**, T. Charkova, A. Misiūnas. Chemical composition of the essential oils from *Helichrysum arenarium* (L.) plants growing in Lithuanian forests. *J. Essential Oil Research* (2019) 31(4) 305-311.
3. **A. Judzentiene**, J. Budiene. Chemical polymorphism of essential oils of *Artemisia vulgaris* growing wild in Lithuania. *Chemistry & Biodiversity* (2017) 15(2) (1-13) doi: 10.1002/cbdv.201700257.
4. **A. Judzentiene**, J. Budiene. Variability of *Artemisia campestris* L. essential oils from Lithuania. *J. Essential Oil Research* (2014) 26(5) 328-333.
5. **A. Judzentiene**, R. Butkiene, J. Budiene, F. Tomi, J. Casanova. Composition of seed essential oils of *Rhododendron tomentosum*. *Natural Product Communications* (2012) 7(2) 227-230.
6. **A. Judzentiene**, J. Budiene, R. Butkiene, E. Kupcinskiene, I. Laffont-Schwob, V. Masotti. Caryophyllene oxide-rich essential oils of Lithuanian *Artemisia campestris* ssp. *campestris* and their toxicity. *Natural Product Communications* (2010) 5(12) 1981-1984.
7. E. Kupcinskiene, A. Stikliene, **A. Judzentiene**. The essential oil qualitative and quantitative composition in the needles of *Pinus sylvestris* L. growing along industrial transects. *Environmental Pollution* (2008) 155, 481-491.
8. A. Jagminas, G. Niaura, **A. Judzentiene**, R. Juskenas. Spectroscopic evidence of a novel array ac fabrication within the alumina template pores from acidic Cu (II)-thiourea solution. *Applied Surface Science* (2004) 239(1) 72-78.
9. D. Mockute, **A. Judzentiene**. Variability of the essential oil composition of *Achillea millefolium* ssp. *millefolium* growing wild in Lithuania. *Biochemical Systematics and Ecology J.* (2003) 31, 1033-1045.
10. D. Mockute, G. Bernotiene, **A. Judzentiene**. The essential oils of *Origanum vulgare* L. ssp. *vulgare* growing wild in Vilnius district (Lithuania). *Phytochemistry* (2001) 57, 65-69.

International Conferences | **The most important (in the last 3 years):**

1. **A. Judžentienė**, J. Būdienė, R. Mačiūnaitė. Atypical chemical profiles of Lithuanian mugwort (*Artemisia vulgaris* L.) essential oils. 50th International Symposium of Essential Oils (ISEO 2019). Book of Abstracts (2019) Vienna, Austria, p. 85.
2. J. Būdienė, R. Garjonytė, A. Linkevičiūtė, **A. Judžentienė**. Investigation of bioactive secondary metabolites in industrial (fibertype) hems (*Cannabis sativa* L.) cultivated in Lithuania. 6th World Congress on Medicinal and Aromatic Plants (WOCMAP VI). Book of Abstracts (2019) Famagusta, N. Cyprus, p. 18.
3. **A. Judžentienė**, J. Būdienė. Volatile organic compounds in hydrosols obtained from some wild growing plants in Lithuania. 50th International Symposium of Essential Oils (ISEO2019), Book of Abstracts (2019) Vienna, Austria, p.194.
4. J. Budiene, A. Lingyte, **A. Judzentiene**, A. Linkeviciute, R. Garjonyte. Volatile and non-volatile components of *Aesculus hippocastanum* L. blossoms from Lithuania. International Conference on Raw Material to Processed Foods. Book of Abstracts (2018) Antalya, Turkey, p. 27.