









Curriculum vitae



Jäntschi Lorentz

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Managing experience

Research Grants principal investigator	
B52/6113/MCT/ANSTI, "L"/2000	Crystals structure. X-ray technics
B25/6113/MCT/ANSTI, "T"/2000	Prediction of mechanical properties by use of mathematical descriptors
48(1217)/34970/MEC/CNCSIS, "A"/2001	Software developing for modeling of properties based on materials structure
468/MEC/CNCSIS, "A"/2002	
A17/420/33532/MEC/CNCSIS, "A"/2003	
2576/34970/MEC/ANSTI, "C"/2001	Functional analysis of graphs class over a set
281/MEC/CNCSIS, "A"/2002	
ET/36/MEC/UEFISCSU/3150, 2005-2007	Integrated structural investigations on biological active compounds
ET/46/MEC/UEFISCSU/1513, 2006-2008	Binomial distribution: Statistical modelling, numerical optimization, with bioinformatics and biochemistry applications
ET/108/MEC/UEFISCSU/5892, 2006-2008	Processes at phases interface: Mathematical modelling, numerical optimization, web implementation, with applications for separation and characterization of biological active compounds series
ID 1051/UEFISCSU/202, 2007-2010	From mathematical chemistry to quantum chemistry, to medicinal chemistry

Reviewer

Journal of Molecular Modeling - from 2007	Archives of Medical Sciences - from 2008
Naturwissenschaften - from 2008	Statistical Analysis and Data Mining - from 2009
Applied Soft Computing - from 2010	International Journal of Environmental Research - from 2011
International Journal of Educational Development - from 2011	Current Computer-Aided Drug Design - from 2011
Mini-Reviews in Medicinal Chemistry - from 2011	Advances in Engineering Software - from 2011
Measurement - from 2012	Industrial Crops and Products - from 2012
SAR and QSAR in Environmental Research - from 2012	Computers & Mathematics with Applications - from 2012
Applied Mathematics Letters - from 2013	Energy Economics - from 2013
Mathematical and Computer Modelling - from 2013	Applied Mathematical Modelling - from 2014
Advances in Mechanical Engineering - from 2015	Journal of Environmental Informatics - from 2015
Journal of Drug Targeting - from 2015	Flavour and Fragrance Journal - from 2018
Symmetry - from 2018	Information - from 2018
Mathematics - from 2019	Fractal and Fractional - from 2020
Axioms - from 2020	Vibrations - from 2021
Entropy - from 2021	Applied Sciences - from 2021

Editor

Leonardo Journal of Sciences - 2002 - 2018 - Editor-in-chief
Leonardo Electronic Journal of Practices and Technologies - 2002 - 2018 - Editor-in-chief (SCOPUS)
Notulae Botanicae Horti Agrobotanici Cluj-Napoca - 2010 - to date - Production editor (WOS-SCIE)
Notulae Scientia Biologicae - 2010 - to date - Production editor (SCOPUS)
Open Agriculture - 2019 - to date - Editorial board member (WOS-ESCI)
Symmetry - 2019 - to date Editorial board member, Section board member, Guest editor (WOS-SCIE)
Mathematics - 2020 - to date - Collection editor, Guest editor (WOS-SCIE)
Foundations - 2021 - 2023 - Editorial board member, Section board member
International Journal of Topology - 2023 - to date - Editorial board member
Energies - 2023 - to date - Guest editor (WOS-SCIE)
Frontiers in Applied Mathematics and Statistics - 2023 - to date - Associate editor (WOS-ESCI)
Discovery Molecules - 2024 - to date Guest editor (Springer)

Professional experience

University Profesor - Univ. Tehnică Cluj-Napoca
Dep. Physics & chemistry 2013 - To date: Professor; 2008 - 2013: Reader; 2000 - 2008: Asist. Prof.; 1999 - 2000: Teaching Assist.

PhD Advisor - Univ. Babeş - Bolyai	
Fac. of Chemistry and Chemical Engineering	2013 - 2023: Associate; 1998 - 2000: PhD Student, Research assistant, Researcher
Professor, associate - Univ. din Oradea	
Fac. of Sciences	2013 - 2016: Associate at Master Program
Professor, associate - Univ. de Ştiinţe Agricole şi Medicină Veterinară Cluj-Napoca	
Fac. of Horticulture	2010 - 2013: Associate at Master Program; 2010 - 2013: Postdoctorate; 2007 - 2010: PhD student
Researcher - Univ. de Medicină şi Farmacie "Iuliu Haţieganu" Cluj-Napoca	
Faculty of Medicine	2007 - 2010: Associate at Departamentul de Informatică Medicală şi Biostatistică
Teacher, debuting - Cluj Scholar Inspectorate	
"Nicolae Bălcescu" Theoretical Highschool	1999 - 2001: Associate at Undergraduate School of Informatics
"George Bariţiu" Cluj-Napoca National College	1995 - 1999: Holder at the Chair of Informatics

Studies

Habilitation (PhD Advisor) in chemistry - din 2012 - CNATDCU Bucureşti & UBB Cluj-Napoca	
Thesis: Structure vs. Property - Algorithms & Models	Committee: Prof. Mircea V. Diudea (president) Prof. Adrian Petruşel (member), Prof. Ioan Neda (member) Dr. Dusanka Janezic (member), Dr. Lehel Csato (member)
Postdoctorate in horticulture (Post-doc equivalent) - from 2013 - USAMVB Timişoara & USAMV Cluj-Napoca	
Theme: Methaheuristic algorithms in evaluation of floral composition	Advisor: Prof. Radu E. Sestraş
Doctor in horticulture (PhD equivalent) - from 2010 - USAMV Cluj-Napoca	
Thesis: Genetic algorithms and their applications	Advisor: Prof. Radu E. Sestraş
Master in agriculture (MSc equivalent) - from 2002 - USAMV Cluj-Napoca	
Specialization: Plant breeding and seeds and seedling material quality assessment	Dissertation: Agro-sanitary Studies Advisor: Prof. Iusitin Ghizdavu
Doctor in chemistry (PhD equivalent) - from 2000 - UBB Cluj-Napoca	
Thesis: Prediction of physical, chemical and biological properties using mathematical descriptors	Advisor: Prof. Mircea V. Diudea
Licence in physics and chemistry (BSc + MSc equivalent) - from 1997 - UBB Cluj-Napoca	
Thesis: Mobile phase optimization at three solvents mixtures	Advisor: Prof. Teodor Hodişan
Licence in informatics (BSc + MSc equivalent) - from 1995 - UBB Cluj-Napoca	
Thesis: Time series. Prognosis	Advisor: Prof. Militon Frenţiu

Other activities

President committee of bachelor examination	
Scholar Inspectorate Bihor	Beiuş, 2004 (session I)
Scholar Inspectorate Braşov	Braşov, 2004 (session II)
Scholar Inspectorates Mureş, Hunedoara, Cluj and Sibiu	2005 - 2008 (session I)
Lecturer at Postgraduate Academic School of Applied Informatics and Programming	
Course and Laboratory activities (2000-2008) at Cluj-Napoca, Alba Iulia, Satu Mare, Baia Mare, Negreşti Oaş, Ocna Mureş, Târnăveni, Sighişoara, Oradea centres teaching Computers use, Computers programming, Databases, and Creation and use of multimedia applications disciplines.	
Research projects evaluator	
Projects evaluation for CNMP Bucuresti, ANSTI Bucuresti, Bulgarian National Science Fund Sofia during 2008-2010 timeframe.	
Projects evaluation for GNAC ARUT (Romanian Alliance of Technical Universities), 2023 (for PU Bucharest and TU Iaşi).	
Diploma of excellence in research	
Excellence diploma proposed by Faculty of Materials Science & Engineering; granted by the Senate of the Technical University of Cluj-Napoca for young scientists at 31 January 2008, "for exceptional achievements in research and promoting of the prestige of the University".	
Prize for excellence in research granted by the Rector of Babeş-Bolyai University on February 6, 2023 for my research output of 2021.	

Cluj-Napoca
18 Jun 2024 (last update)

