

**PERSONAL
INFORMATION**

Anca Peter



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Sex Female | Date of birth 28/01/1979 | Nationality Romanian

**JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR**

Technical University of Cluj Napoca, Faculty of Sciences, Department of Chemistry and Biology

Professor

Packaging, labelling and design of food products

Principles and methods of food preservation

WORK EXPERIENCE

Dates - Sept 2015 – present - Associate Professor Department of Chemistry and Biology, Technical University of Cluj Napoca, North University Center, Faculty of Sciences

- Febr. 2008 – Sept 2015 - lecturer Department of Chemistry and Biology, Technical University of Cluj Napoca, North University Center, Faculty of Sciences

- Febr. 2005 – Febr. 2008 - assistant Chemistry-Biology Department, North University of Baia Mare, Maramures County, Romania

- Febr. 2002 – Febr. 2005 – preparator Chemistry-Biology Department, North University of Baia Mare, Maramures County, Romania

- Sept. 2001- Febr. 2002 - chemistry teacher “Vasile Lucaciu” Highschool Baia Mare, Maramures County, Romania

Main activities and responsibilities Lectures and laboratory activities

Name and address of employer Technical University of Cluj Napoca, North University Center, Faculty of Sciences, Victor Babes 62, 430092, Baia Mare, Romania

Type of business or sector High education and research

**EDUCATION AND
TRAINING**

[Add separate entries for each course. Start from the most recent.]

Replace with dates (from - to)

1997-2001 – licence degree - Biology-Chemistry Specialization, Faculty of Sciences and Letters, North University of Baia Mare

- 2001-2002 - master degree – Applied Electrochemistry, Faculty of Chemistry and Chemical Engineering, Department of Physical-Chemistry, Babes-Bolyai University, Cluj-Napoca

- 2002-2009 – doctoral studies, Chemistry Domain, Faculty of Chemistry and Chemical Engineering, Department of Physical-Chemistry, Babes-Bolyai University, Cluj-Napoca

PERSONAL SKILLS

[Remove any headings left empty.]

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1/2	B1/2	B1/2	B1/2	B1/2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills ▪ good communication skills gained through my experience as profesor

Organisational / managerial skills ▪ managerial skills based on the experience as research project manager

Job-related skills ▪ Communication, seriousness, punctuality, flexibility and adaptability

Computer skills ▪ Work in Microsoft programmes such as: word, excel, power point, in other programmes such as: Origin, Statistica, Kekule for chemical formulas, Curve expert, internet

Technical skills and competences ▪ In the use of the equipments such as: device for supercritical drying of the gels, AAS spectrometer for metal concentration in solids, liquid samples, FTIR, Carbon Analyzer, UV-vis spectrometer,

Driving licence ▪ B

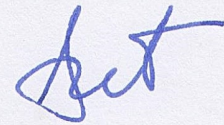
ADDITIONAL
INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honours and awards
Memberships
References

The research and didactic activity is presented in the file: **Research and didactic activity.**

16.05.2022

Assoc.Prof.dr. Peter Anca



WORK EXPERIENCE

Dates	Description
- Sept. 2015 – present -	Associate Professor Department of Chemistry and Biology, Technical University of Cluj Napoca, North University Center, Faculty of Sciences
- Febr. 2008 – Sept. 2015 -	Lecturer Department of Chemistry and Biology, Technical University of Cluj Napoca, North University Center, Faculty of Sciences
- Febr. 2007 – Febr. 2008 -	Assistant Chemistry-Biology Department, North University of Baia Mare, Maramures County, Romania
- Febr. 2002 - Febr. 2003 -	preparator Chemistry-Biology Department, North University of Baia Mare, Maramures County, Romania
- Sept. 2001- Febr. 2002 -	chemistry teacher "Vasile Lucaciu" Highschool Baia Mare, Maramures County, Romania
Main activities and responsibilities	Lectures and laboratory activities
Name and address of employer	Technical University of Cluj Napoca, North University Center, Faculty of Sciences, Victor Babeş 62, 430092, Baia Mare, Romania
Type of business or sector	High education and research

EDUCATION AND TRAINING

[Add separate entries for each course. Start from the most recent.]

Research and teaching activity

Selection of 10 scientific papers

1. Chemical and organoleptic changes of curd cheese stored in new and reused active packaging systems made of Ag-graphene-TiO₂-PLA, *Food Chemistry* (2021)
2. Morpho-structural and chemical characterization of paper based materials with functionalized surface, *Materials Chemistry and Physics* (2021)
3. Modifying the silver-titania nanocomposites with carbonaceous materials to remove the pollutants from domestic waste water, *Journal of Nanoscience and Nanotechnology*, (2021)
4. Fabric impregnated with TiO₂ gel with self-cleaning property, *International Journal of Applied Ceramic Technology* (2019)
5. Active papers coated with chitosan and containing TiO₂ and Ag/TiO₂ nanoparticles for increasing the shelf-life of walnut kernels, *Cellulose* (2018)
6. Preparation and characterization of active cellulose-based papers modified with TiO₂, Ag and zeolite nanocomposites for bread packaging application, *Cellulose* (2017)
7. Changes in the microbiological and chemical characteristics of white bread during storage in paper packages modified with Ag/TiO₂-SiO₂, Ag/N-TiO₂ or Au/TiO₂, *Food Chemistry* (2016).
8. Active packaging system based on Ag/TiO₂ nanocomposite used for extending the shelf life of bread. Chemical and microbiological investigations, *Packaging Technology and Science*, (2015).
9. Testing the preserving activity of Ag-TiO₂-Fe and TiO₂ composites included in the polyethylene during the orange juice storage, *Journal of Food Process Engineering*, (2014).
10. Chemical and sensory changes of different dairy products during storage in packages containing nanocrystallised TiO₂, *International Journal of Food Science and Technology*, (2012).

PhD thesis

„Aerogels based on TiO₂ with applications to environmental depollution”

Scientific coordinator: Prof.dr. Ionel Catalin Popescu

Domain: Chemistry

Babes-Bolyai University Cluj Napoca, Faculty of Chemistry and Chemical Engineering

Date: 10.04.2009

Habilitation thesis

„Modern methods of prolonging the food shelf-life, based on inclusion of nanostructured composites in conventional materials for active packages obtaining”

Domain: Food Engineering

„Dunarea de Jos” University Galati

Date: 15.12.2017

Patents (5 patents)

European

1	Peter A. , Mihaly Cozmuta A, Mihaly Cozmuta L, Nicula C, Talasman C, Caprita F, Constantin C, Dumitrascu I, Drazic G, Bele M, Chernyshova E., Silvi S, Sagratini G, Huang X, Kamgang F, Verdenelli C, Orpianesi C, Coman M, Penas A, Calahorro A, Cano Galey M, Ramirez Rodriguez M, Process for obtaining active packages based on polylactic acid modified with nano-composite , patent request submitted to EPO, number EP20020299.2, from 25 June 2020 – under review, accepted for publication
2	A. Peter , C. Nicula, A. Mihaly Cozmuta, L. Mihaly Cozmuta and 23 inventors, Process for obtaining nanocomposite food packages , application no. 15464006.4-1358 from 28.08.15, priority: RO/08.04.15/ROA 201500256; solicitanti: Technical University of Cluj, Babes-Bolyai University of Clu, ICA R&D, L&G Consulting, Warsaw University of Technology Poland – under review, accepted for publication

National

1	Peter A. , Mihaly Cozmuta A, Mihaly Cozmuta L, Nicula C, Talasman C, Caprita F, Constantin C, Dumitrascu I, Drazic G, Bele M, Chernyshova E., Silvi S, Sagratini G, Huang X, Kamgang F, Verdenelli C, Orpianesi C, Coman M, Penas A, Calahorro A, Cano Galey M, Ramirez Rodriguez M, Procedeu de obținere a unor ambalaje active pe bază de acid polilactic modificat cu nanocompozit , patent application submitted to OSIM, registration number A/00328 from 12.06.2020. under review, accepted for publication
2	A. Peter , C. Nicula, A. Mihaly Cozmuta, L. Mihaly Cozmuta and other 23 inventors, Procedee de obtinere a unor ambalaje alimentare inteligente , - nr. inregistrare a2015 00256 din 8.04.2015 la OSIM Romania, solicitants: Technical University of Cluj Napoca, Babes-Bolyai University Cluj Napoca, ICA R&D, L&G Consulting, Warsaw University of Technology Poland, reg no. a2015 00256, aprouved by Hotararea OSIM 4.2./33/30.03.2022
3	Danciu V., Cosoveanu V., Peter A. , Moldovan Z., Nutiu G., Procedeu pentru mineralizarea prin fotocataliza a contaminantilor organici din apele reziduale (Process for photocatalysis mineralization of organic contaminants in waste water) , Patent no. 122840/6.05.2004, according to the Romanian Law 64/1991. Assignee: UNIV CLUJ-NAPOCA BABES-BOLYAI

Books and laborator works (11 books)

No.	Authors	Title	Editure
1.	Anca Peter	Bio-si Nanomateriale cu aplicabilitate in medicina	Ed. U.T.Press Cluj Napoca, 2022, ISBN 978-606-737-566-4, 200 pagini
2.	A. Peter , A. Mihaly Cozmuta	Tendințe moderne în ambalarea produselor alimentare: aspecte teoretice și practice	Ed. U.T.Press Cluj Napoca, 2020, ISBN 978-606-737-474-2, nr. pagini 565.
3.	A. Peter	Principii și metode clasice și moderne de conservare a alimentelor	Ed. U.T.Press Cluj Napoca, ISBN 978-606-737-220-5, 127 p, 2017
4.	C. Nicula, A. Peter	400 de itemi grila pentru biochimie	Ed. Risoprint Cluj Napoca, ISBN: 978-973-53-1449-1, 71p., 2014
5.	A. Peter , C. Nicula	Chimia compusilor cu functiuni multiple prezenti in alimente	Ed. Risoprint Cluj Napoca, ISBN: 978-973-53-0530-7, 201 p, 2011
6.	A. Peter , C. Nicula, A. Ambrus	Chimia alimentelor - caiet de laborator pentru studenti	Ed. Risoprint Cluj Napoca, ISBN: 978-973-53-0507-9, 83 p., 2011
7.	A. Peter , V. Danciu	Aerogeluri pe baza de TiO ₂ cu aplicatii la depoluarea mediului	Ed. Risoprint, Cluj-Napoca, ISBN: 978-973-53-0353-2, 158 p, 2010
8.	A. Ambruș, A. Peter , C. Drinkal	Lucrări practice de chimie organică	Ed. Risoprint, Cluj Napoca, ISBN: 973-656-517-3, 104 p., 2004
9.	C. Varga, A. Peter , A. Ambruș, I. Dunca	Lucrări practice de biochimie, partea a II-a	Ed. Risoprint, Cluj Napoca, ISBN: 973-656-594-3, 116 p, 2004
10.	C. Varga, A. Peter , A. Ambruș, I. Dunca	Lucrări practice de biochimie, partea I	Ed. Risoprint, Cluj Napoca, ISBN: 973-656-503-3, 94 p, 2003
11.	G. Oprea, A. Peter , C. Varga, I. Dunca, C. Mihali	Îndrumator pentru lucrari practice de chimie fizica si coloidala	Ed. Risoprint, Cluj Napoca, ISBN: 973-751-384-3, 159 p., 2006

Articles published in ISI Thomson Reuters and ISI proceedings (48 articles)

	Authors	Description	FI
1.	A. Peter, L. Mihaly Cozmuta, C. Nicula, A. Mihaly Cozmuta, R. Apjok, C. M Talasman, G. Drazic, A. Peñas, A.J Calahorro, F. Kamgang Nzekoue, X. Huang, G Sagratini, S. Silvi	Barrier properties, migration into the food simulants and antimicrobial activity of paper-based materials with functionalized surface, <i>Polymers and Polymer Composites</i> (2022) 30, 1-12.	2,000
2.	A. Peter, L. Mihaly Cozmuta, C. Nicula, A. Mihaly Cozmuta, CM Talasman, G. Drazic, A. Peñas, AJ Calahorro, G.Sagratini, S Silvi	Chemical and organoleptic changes of curd cheese stored in new and reused active packaging systems made of Ag-graphene-TiO ₂ -PLA, <i>Food Chemistry</i> (2021) 363, 130341	6,306
3.	A. Mihaly Cozmuta, A. Jastrzębska , R. Apjok , M. Petrus, L. Mihaly Cozmuta, A. Peter, C. Nicula	Immobilization of baker's yeast in the alginate-based hydrogels to impart sensorial characteristics to frozen dough bread, <i>Food Bioscience</i> (2021) 42, 101143	3,067
4.	A Peter, L Mihaly Cozmuta, C Nicula, A Mihaly Cozmuta, R Apjok, CM Talasman, G Drazic, A Penas, AJ Calahorro, F Kamgang Nzekoue, X Huang, G Sagratini, S Silvi	Morpho-structural and chemical characterization of paper based materials with functionalized surface, <i>Materials Chemistry and Physics</i> (2021) 267, 124693	3,408
5.	A. Peter, L. Mihaly Cozmuta, C. Nicula, A. Mihaly Cozmuta, C.M. Talasman, G. Drazic, M. Bele, A. Vizintin, E. Tchernochova, A. Peñas, A.J. Calahorro, G. Sagratini, S. Silvi	Modifying the silver-titania nanocomposites with carbonaceous materials to remove the pollutants from domestic waste water, <i>Journal of Nanoscience and Nanotechnology</i> (2021) 21(4), 2278–2291	1,354
6.	Huang X., Nzekoue F.K., Coman M.M., Peter A., Talasman C.M., Drazic G., Penas A., Verdenelli M.C., Sagratini G., Silvi S.	Antimicrobial Activity of Cell-free Supernatant of <i>Lactobacillus Plantarum</i> IMC 509 Against Common Food Spoilage Microbes, <i>Journal of Clinical Gastroenterology</i> (2020) 54, S23-S23.	2,973
7.	A. Peter, L. Mihaly Cozmuta, C. Nicula, A. Mihaly Cozmuta, A. Vulpoi, L. Barbu-Tudoran, K. Magyari, M. Todea, L. Baia, F.G Pop	Multi-analyses of gallstones and correlation between their properties with the laboratory results, <i>Analytical Biochemistry</i> (2020) 593, 113587	2,507
8.	A. Mihaly Cozmuta , A. Peter, L. Mihaly Cozmuta, C. Nicula, R. Apjok, G. Drazic, F. Kamgang Nzekoue, X. Huang, S. Silvi, G. Sagratini, A. Peñas, A. J. Calahorro, M. Cano-Galey, O. Hodek	Impact of packaging properties on the physical-chemical-microbiological-sensory characteristics of Ricotta cheese during storage, <i>Packaging Technology and Science</i> (2020) 33 (1), 27-37.	1,881
9.	R. Apjok, A. Mihaly Cozmuta, A. Peter, L. Mihaly Cozmuta, C. Nicula, M. Baia, A. Vulpoi	Active packaging based on cellulose-chitosan-Ag/TiO ₂ nanocomposite for storage of clarified butter, <i>Cellulose</i> (2019) 26(3) 1923-1946.	3,809
10.	A. Peter, A. Mihaly-Cozmuta, C. Nicula, L. Mihaly-Cozmuta, A. Vulpoi, L. Baia	Fabric impregnated with TiO ₂ gel with self-cleaning property, <i>International Journal of Applied Ceramic Technology</i> (2019) 16(2), 666-681.	1,165
11.	T. Wojciechowski, A. Rozmyslowska-Wojciechowska, G. Matyszczyk, M. Wrzecieć, A. Olszyna, A. Peter, A. Mihaly-Cozmuta, C. Nicula, L. Mihaly-Cozmuta, S. Podsiadło, D. Basiak, W. Ziemkowska, A. Jastrzębska	Ti ₂ C MXene Modified with Ceramic Oxide and Noble Metal Nanoparticles: Synthesis, Morphostructural Properties, and High Photocatalytic Activity, <i>Inorganic Chemistry</i> (2019) 58(11), 7602–7614.	4,700
12.	A. Peter, C. Nicula, L. Mihaly-Cozmuta, A. Mihaly-Cozmuta	New active package based on titania coated on cardboard for storage of fresh prepared orange juice. <i>Journal of Food Process Engineering</i> (2019) 42(2), Article Number: e12965	1,955
13.	A. Mihaly Cozmuta, A. Peter, C. Nicula, L.Mihaly Cozmuta,	Impact of algae addition on bread properties and consumers behavior-preliminary research, <i>Carpathian Journal of Food Science and Technology</i> (2019) 11(1)121-125.	0
14.	A. Peter, C. Nicula, L. Mihaly Cozmuta, A. Mihaly Cozmuta	An efficient and innovative method to preserve the harvested plums during storage, <i>Journal of Food Processing and Preservation</i> (2018)	0,791

		42(1), 1-10.	
15.	A. Mihaly Cozmuta, R. Apjok, A. Peter , L. Mihaly Cozmuta, C. Nicula, M. Baia, A. Vulpoi	Active papers coated with chitosan and containing TiO ₂ and Ag/TiO ₂ nanoparticles for increasing the shelf-life of walnut kernels, <i>Cellulose</i> (2018) 25(9), 5205-5225.	3,809
16.	A. Peter , A. Mihaly-Cozmuta, C. Nicula, L. Mihaly-Cozmuta	Assessment of TiO ₂ photoactivity on the lead removal:kinetic and mechanistic processing, <i>Water Science and Technology</i> , (2017) 75 (11): 2508-2519.	1,064
17.	Peter A., Mihaly-Cozmuta A., Nicula Camelia, Mihaly-Cozmuta L., Jastrzebska A., Olszyna A., Baia L.	UV Light-Assisted Degradation of Methyl Orange, Methylene Blue, Phenol, Salicylic Acid, and Rhodamine B: Photolysis Versus Photocatalysis, <i>Water, Air and Soil Pollution</i> (2017) 228(1), ID 41.	1,551
18.	A. Mihaly-Cozmuta, A. Peter , G. Craciun, A. Falup, L. Mihaly-Cozmuta, C. Nicula, A. Vulpoi, M. Baia	Preparation and characterization of active cellulose-based papers modified with TiO ₂ , Ag and zeolite nanocomposites for bread packaging application, <i>Cellulose</i> (2017) 24(9) 3911-3928	3,417
19.	A. Mihaly Cozmuta, A. Peter , C. Nicula, L. Mihaly Cozmuta	Assessment of the effective antioxidant activity of edible films taking into account films–food simulants and films–environment interactions. <i>Packaging Technology and Science</i> (2017) 30 (1-2), 3–20	1,292
20.	A. Mihaly Cozmuta, L. Mihaly Cozmuta, A. Peter , C. Nicula, Z. Vosgan, L. Giurgulescu, A. Vulpoi, M. Baia	Effect of monochromatic Far-Red light on physical-nutritional-microbiological attributes of red tomatoes during storage, <i>Scientia Horticulturae</i> (2016) 211, 220–230	1,538
21.	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, W. Ziemkowska, D. Basiak, V. Danciu, A. Vulpoi, L. Baia, A. Falup, G. Craciun, A. Ciric, M. Begea, C. Kiss, D. Vatuiu	Changes in the microbiological and chemical characteristics of white bread during storage in paper packages modified with Ag/TiO ₂ -SiO ₂ , Ag/N-TiO ₂ or Au/TiO ₂ , <i>Food Chemistry</i> (2016) 197, 790–798.	4,052
22.	A. Mihaly Cozmuta, A. Peter , L. Mihaly Cozmuta, C. Nicula, L. Crisan, L. Baia, A. Turila	Active packaging system based on Ag/TiO ₂ nanocomposite used for extending the shelf life of bread-chemical and microbiological investigations, <i>Packaging Technology and Science</i> (2015) 28, 271–284	1,292
23.	A. Mihaly Cozmuta, A. Turila, R. Apjok, A. Ciocian, L. Mihaly Cozmuta, A. Peter , C. Nicula, N. Galić, T. Benković	Preparation and Characterization of Improved Gelatin Films Incorporating Hemp and Sage Oils, <i>Food Hydrocolloids</i> (2015) 49, 144-155	3,858
24.	I. Lázár, J. Kalmár, A. Peter , A. Szilágyi, E. Gyori, T. Ditrói, I. Fábrián	Photocatalytic performance of highly amorphous titania–silica aerogels with mesopores: The adverse effect of the in situ adsorption of some organic substrates during photodegradation, <i>Applied Surface Science</i> (2015) 356, 521–531	2,711
25.	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, C. Cadar, A. Jastrzebska, P. Kurtycz, A. Olszyna, A. Vulpoi, V. Danciu, T. Radu, L. Baia	Silver functionalized titania-silica xerogels: Preparation, morphostructural and photocatalytic properties, kinetic modeling, <i>Journal of Alloys and Compounds</i> (2015) 648, 890-902.	3,014
26.	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, A. Jastrzebska, P. Kurtycz, A. Olszyna	Morphology, structure, and photoactivity of two types of graphene oxide–TiO ₂ composites, <i>Chemical Papers</i> (2015) 69 (6), 839–855.	1,326
27.	A. Peter , L. Mihaly Cozmuta, A. Mihaly Cozmuta, C. Nicula, E. Indrea, L. Barbu - Tudoran	Testing the preserving activity of Ag-TiO ₂ -Fe and TiO ₂ composites included in the polyethylene during the orange juice storage, <i>Journal of Food Process Engineering</i> (2014) 37(6), 596-608.	0,675
28.	R. Apan, A. Mihaly Cozmuta, A. Peter , C. Nicula, L. Mihaly Cozmuta,	Nano food packages: from food preservation efficiency no consumer legal protection, <i>Amfiteatru Economic</i> (2014) XVI(36), 397-415.	0,564
29.	E.N.Bakatula, E.M. Cukrowska, I.M. Weiersbye, L. Mihaly-Cozmuta, A. Peter , H. Tutu,	Biosorption of trace elements from aqueous systems in gold mining sites by the filamentous green algae (<i>Oedogonium sp.</i>), <i>Journal of Geochemical Exploration</i> (2014) 144, 492–503.	1,952
30.	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, L. Barbu Tudoran, A. Vulpoi, L. Baia	Photocatalytic Efficiency of Zeolite-Based TiO ₂ Composites for Reduction of Cu (II): Kinetic Models, <i>International Journal of Applied-Ceramic Technology</i> , (2014) 11(3), 568-581.	1,153
31.	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, L. Barbu Tudoran, L. Baia	Efficiency of Cu/TiO ₂ to Remove Salicylic Acid by Photocatalytic Decomposition: kinetic modeling, <i>Materials Technology</i> (2014) 29(3), 129–133.	1,227

32.	L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, A. Peter , C. Nicula, H. Tutu, D. Silipas, E. Indrea,	Adsorption of heavy metal cations by Na-clinoptilolite: Equilibrium and selectivity studies, <i>Journal of Environmental Management</i> (2014) 137, 69-80.	3,057
33.	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, E. Indrea, H. Tutu	Calcium and ammonium ion-modification of zeolite amendments affects the metal-uptake of <i>Hieracium piloselloides</i> on a dose-dependent way, <i>Journal of Environmental Monitoring</i> (2012) 14, 2807-2814 (2012).	2,085
34.	A. Peter , C. Nicula, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, E. Indrea	Chemical and sensory changes of different dairy products during storage in packages containing nanocrystallised TiO ₂ , <i>International Journal of Food Science and Technology</i> , 47(7), 1448-1456 (2012).	1,240
35.	A. Mihaly Cozmuta, L. Bretan, L. Mihaly Cozmuta, C. Nicula, A. Peter	Lead traceability along soil-melliferous flora-bee family-apiary products chain, <i>Journal of Environmental Monitoring</i> (2012) 14(6), 1622-1630	2,085
36.	M. Marian, A. Peter , L. Mihaly-Cozmuta, E. Bakatula	Increased survival chances of the species <i>Quercus petraea</i> in terms of pollution with Cd and Cu by using microbiota-bentonite systems, <i>Carpathian Journal of Earth and Environmental Sciences</i> (2012) 7(1), 231 - 237.	1,495
37.	L. Mihaly Cozmuta, A Mihaly Cozmuta, A Peter , C Nicula, E Bakatula Nsimba and H Tutu	The influence of pH on the adsorption of lead by Na-clinoptilolite: Kinetic and equilibrium studies, <i>Water SA</i> (2012) 38(2), 269-278.	0,853
38.	A Peter , E Indrea, A Mihaly-Cozmuta, L. Mihaly-Cozmuta, C Nicula, H Tutu, E Bakatula,	Dual efficiency of nano-structured TiO ₂ /zeolyte systems in removal of copper (II) and lead (II) ions from aqueous solution under visible light, <i>AIP Conference Proceedings</i> (2012) 1425, 139-143.	0
39.	A. Peter , C. Nicula, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, E. Indrea, V. Danciu, H. Tutu, E. Bakatula Nsimba,	Efficiency of amendments based on zeolite and bentonite in reducing the accumulation of heavy metals in tomato organs (<i>Lycopersicon esculentum</i>) grown in polluted soils, <i>African Journal of Agricultural Research</i> (2011) 6(21), 5010-5023.	0,263
40.	L. Baia, L. Diamandescu, L. Barbu-Tudoran, A. Peter , G. Melinte, V. Danciu, M. Baia	Efficient dual functionality of highly porous nanocomposites based on TiO ₂ and noble metal particles, <i>Journal of Alloys and Compounds</i> (2011) 509, 2672-2678.	2,390
41.	A. Peter , M. Marian, C. Nicula, L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, E. Indrea,	The sorptive performance of microorganisms-zeolite systems to remove Cu ²⁺ , Zn ²⁺ , Cd ²⁺ , Fe ²⁺ and Pb ²⁺ , <i>Revue Roumaine de Chimie</i> (2011) 56(9), 847-852.	0,418
42.	A. Peter , L. Baia, M. Baia, E. Indrea, F. Toderas, V. Danciu, V. Cosoveanu, L. Diamandescu	Porous Au-TiO ₂ aerogels nanoarchitectures for photodegradation processes, <i>Journal of Optoelectronics and Advanced Materials</i> (2010) 12 (5), 1071-1077.	0,412
43.	C. Varga (Nicula), M. Marian, A. Peter , D. Boltea, L. Mihaly-Cozmuta, E. Nour	Strategies of heavy metal uptake by <i>Phaseolus vulgaris</i> seeds growing in metalliferous and non-metalliferous areas, <i>Studia Universitatis Babes-Bolyai, Chemia</i> (2009) LIV(3), 223-234.	0,136
44.	A. Peter , M. Baia, F. Toderas, M. Lazar, L. Barbu-Tudoran, V. Danciu	Photo-catalysts based on gold-titania composites, <i>Studia Universitatis Babes-Bolyai, Chemia</i> (2009) LIV(3), 161-171.	0
45.	Baia, L., Baia, M., Vasiliu, F., Diamandescu, L., Peter, A., Cosoveanu, V., Danciu, V.	TiO ₂ -Ag Porous Nanocomposites for Advanced Photocatalytic Processes, <i>Clean Technology: Bioenergy, renewables, green building, smart grid, storage, and water 683-686, NSTI nanotech, vol 1, Technical proceedings</i> (2008) 381-384	0
46.	L. Baia, M. Baia, A. Peter , V. Cosoveanu, V. Danciu	Evaluating the thermal treatment parameters effect on the anatase nanocrystalites size of titania aerogels, <i>Journal of Optoelectronics and Advanced Materials</i> (2007) 9(3), 671-674.	0,412
47.	A. Peter , I. C. Popescu, E. Indrea, P. Marginean and V. Danciu	The influence of the heat treatment on the photoactivity of the TiO ₂ -SiO ₂ aerogels, <i>Studia Universitatis Babes-Bolyai, CHEMIA</i> , (2007) XII(3), 105-111.	0,012
48.	L. Baia, A. Peter , V. Cosoveanu, E. Indrea, M. Baia, J. Popp, V. Danciu,	Synthesis and nanostructural characterization of TiO ₂ aerogel for photovoltaic devices, <i>Thin Solid Films</i> (2006) 511-512, 512-516.	1,761

BDI articles (published in other international databases) (27 articles)

1.	X. Huang, F Kamgang Nzekoue, MM Coman, A Peter , CM Talasman, G. Drazic, A. Penas, MC Verdenelli, G. Sagratini, S Silvi, <i>Lactobacillus</i> strains treatment on commercial packaging paper as preliminary study for extending the shelf-life of chicken meat, <i>Journal of Biotech Research and Biochemistry</i> (2020) 3: 007.
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2.	L. Pop, A. Mihaly-Cozmuta, P. Fava, A. Pulvirenti, L. Mihaly-Cozmuta, A. Peter , Preparation and characterization of polyvinyl alcohol films modified with essential oils, <i>Journal of Agroalimentary Processes and Technologies</i> (2020) 26(4), 386-396
3.	Peter A. , Mihaly-Cozmuta A., Nicula C., Mihaly-Cozmuta L., Innovative packaging system for extending the shelf life of food during storage Article in brief, <i>Carpathian Journal of Food Science and Technology</i> (2017) 9(4) 197.
4.	A. Mihaly Cozmuta, L. Mihaly Cozmuta, A. Peter , C. Nicula, L. Crisan. The comparative effects of far-red light and UV-C light on some physical-chemical-microbiological attributes of the red bell peppers (<i>Capsicum annuum L</i>) during storage, <i>Analele Universitatii din Craiova, Section: Horticulture and Food Products Processing Technology</i> , (2016) XXI (LVII), 321-330.
5.	A. Peter , C. Nicula, E. Kovacs, L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, Influence of lactic acid addition on color and chemical properties of fresh prepared orange juice, <i>Analele Universitatii din Craiova, Sections: Horticulture and Food Products Processing Technology</i> , (2016) vol XXI (LVII), 349-354.
6.	A. Mihaly Cozmuta, L. Mihaly Cozmuta, A. Peter , C. Nicula, L. Crisan, A. Vulpoi, M. Baia. The influence of far-red light on attributes of green bell pepper fruits (<i>Capsicum annuum L.</i>) during storage. <i>The Annals of the University Dunarea de Jos of Galati, Fascicle VI – Food Technology</i> , (2016), 40(2), 98-118.
7.	A. Mihaly Cozmuta, L. Mihaly Cozmuta, A. Peter , C. Nicula. The comparative effect of Far-Red light and UV-C light on some physical-chemical attributes in red bell peppers (<i>Capsicum annuum L</i>) during storage. <i>Analele Universitatii din Oradea, Fascicula Biologie</i> , (2016) XXIII(2), 72-78.
8.	F.D. Bora, A. Donici, C. Voica, T. Rusu, C. Cimpoi, C. Nicula, A. Peter , C.I. Bunea, N. Pop, D.E. Mihăiescu, Inductively coupled plasma-mass spectrometry (ICP-MS) characterization of some white wines from Dealu Bujorului Vineyard by their mineral content, <i>AAB Bioflux Advances in Agriculture & Botany</i> , (2016) 8(3), 156-175.
9.	F.D. Bora, L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, A. Peter , C. Nicula, A. Donici, A study on cadmium, lead, zinc and cobalt concentration in Baia Mare County, NW Romania soils, <i>Advances in Agriculture & Botany</i> , (2015) 7(3) 227-240
10.	A. Peter , D. Tegla, L. Giurgiulescu, A. Mihaly Cozmuta, C. Nicula, L. Mihaly Cozmuta, I. Vagelas, Development of Ag/TiO ₂ -coated food packaging film and its role in preservation of green lettuce during storage. <i>Carpathian Journal of Food Science and Technology</i> , (2015) 7(4), 88-96
11.	F.D. Bora, T.I. Pop, C.I. Bunea, A. Peter , C. Nicula, D.E. Urcan, A. Babes, N. Pop, Physico-Mechanical Analysis and Uvological Indices at Three Varieties of Grapes for Superior White Wines Grown in North-West Romania, Physico-Mechanical Analysis and Uvological Indices at Three Varieties of Grapes for Superior White Wines Grown in North-West, <i>Bulletin UASVM Horticulture</i> (2014) 71(2).
12.	A. But, A. Peter , The preservative activity of citric acid coated on the summer salami during storage under refrigeration, <i>Carpathian Journal of Food Science and Technology</i> (2014), 6(1) 4-11.
13.	I. Bob, A. Peter , The influence of the citric acid on the physical-chemical and organoleptical characteristics of the yogurt stored in the refrigeration conditions, <i>Carpathian Journal of Food Science and Technology</i> (2014) 6(1) 116-119.
14.	A. Peter , A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, C. Nicula. Nanosensor based on TiO ₂ for detection of oxygen in damaged vacuum packages. <i>Carpathian Journal of Food Science and Technology</i> , (2013), 5(1-2), 9-12.
15.	C Nicula, A. Peter , L. Mihaly-Cozmuta, A. Mihaly Cozmuta, The uptake of heavy metals in <i>Phaseolus vulgaris</i> and <i>Zea mays</i> seeds harvested from polluted and unpolluted areas, <i>Carpathian Journal of Food Science and Technology</i> (2013) 5(1-2) 1-8.
16.	C. Nicula, M. Sisestean, A. Mihaly-Cozmuta, A. Peter , L. Mihaly-Cozmuta. Nitrate and nitrite content in various types of cucumbers and options to reduce it, <i>Carpathian Journal of Food Science and Technology</i> , (2013) 5(1-2), 36-44.
17.	A. Mihaly Cozmuta, A. Conea, A. Peter , A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, C. Nicula, Study the influence of work parameters on the leacheability of mineral elements into the coffee infusion, <i>Carpathian Journal of Food Science and Technology</i> (2013), 5(1-2), 23-35.
18.	Z. Vosgan, M. Marian, A. Peter, C. Nicula, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, The qualitative and quantitative microbiota structure identified in the bozanta mare tailing pond, <i>Studia Universitatis " Vasile Goldis" Arad. Seria Stiintele Vietii (Life Sciences Series)</i> , (2012) 22(1), 137-140
19.	A. Peter , L. Roatis, C. Nicula, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta. Combined use of paper or LDPE and natural extracts from <i>Satureja hortensis</i> and <i>Allium sativum</i> for the preservation of the summer salame. <i>Carpathian Journal of Food Science and Technology</i> , (2012) 4(2), 18-27.
20.	C. Nicula, D. Lungu, A. Peter , A. Mihaly-Cozmuta, L. Mihaly-Cozmuta. Curd cheese stored in modified packaging with extract of garlic and thyme: variation of some physico-chemical parameters. <i>Carpathian Journal of Food Science and Technology</i> , (2012) 4(2), 1-8.
21.	M. Marian, C. Nicula, A. Peter , G. Matei, C. Spatar, Allelopathic potential of <i>Asarum europaeum</i> toward <i>Lycopersicon esculentum</i> , <i>Studia Universitatis " Vasile Goldis" Arad. Seria Stiintele Vietii (Life Sciences Series)</i> , (2011) 21(1), 59-62.
22.	A. Mihaly Cozmuta, L. Mihaly Cozmuta, C. Varga, M. Marian, A. Peter , Effect of thermal processing on quality of polyfloral honey, <i>Romanian Journal of Food Science</i> , (2011), 1(1): 45-52
23.	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula. Significance of the natural zeolite and modified with ammonium ions in reducing the uptake of lead, zinc, copper and iron ions in <i>Hieracium aurantium</i> and <i>Rumex acetosella</i> grown on tailing ponds, <i>Analele Universitatii din Oradea, Fascicula Biologie</i> , (2011) XVIII (2), 128-135.

24.	C. Nicula, A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, E. Indrea, V. Danciu. The influence of the type and concentration of amendments on the growth dynamics of <i>Phaseolus vulgaris</i> L., <i>Analele Universitatii din Oradea, Fascicula Biologie</i> , (2011) XVIII (2) 111-119
25.	M. Marian, C. Nicula, L. Mihaly-Cozmuta, A. Peter , A. Mihaly-Cozmuta, Participation of the indigenous vs. alien herbaceous species to the constitution of vegetal layer on the Bozânta Mare tailing ponds, <i>Analele Universității din Oradea-Fascicula Biologie</i> (2010) XVII(1) 134-141
26.	C. Nicula, M. Marian, L. Mihaly Cozmuta, A. Peter , A. Mihaly Cozmuta. Adaptive mechanisms of <i>Phaseolus vulgaris</i> and <i>Zea mays</i> seeds grown in agrocenosis prone to pollution with heavy metals. <i>Analele Universitatii din Oradea, Fascicula Biologie</i> (2010) XVII(1), 152-157.
27.	A. Peter , D. Bregnya, L. Mihaly-Cozmuta, A. Mihaly Cozmuta, C. Nicula. Use of TiO ₂ photocatalyst as alternative means for the cottage cheese preservation. <i>Carpathian Journal of Food Science and Technology</i> (2010) 2(2), 50-58.
28.	M. Marian, C. Varga, L. Mihaly-Cozmuta, A. Peter , A. Mihaly-Cozmuta, D. Boltea, Evaluation of the Phytoremediation Potential of the <i>Populus tremula</i> in Tailing Ponds, <i>Bulletin UASVM Agriculture</i> , (2009) 66(2), 124-131.

Papers presented to international scientific events (20 papers)

1) Sagratini, G., F. Kamgang Nzekoue, X. Huang, **A. Peter**, L. Mihaly Cozmuta, C. Nicula, A. Mihaly Cozmuta, R. Apjok, C. M. Talasman, G. Drazic, A. Peñas, A. J. Calahorra, M. M. Coman, M. C. Verdenelli, G. Caprioli, S. Vittori, S. Silvi., GRAFOOD: Active GRAPhene based FOOD packaging system for a modern society. **Oral communication at XX EuroFoodChem Conference**, 17-19/06/2019, Porto, Portugal (2019)

2) Huang X., Kamgang Nzekoue F., Coman MM., **Peter A.**, Talasman CM., Drazic G., Peñas A., Verdenelli MC., Sagratini G., Silvi S. Probiotics as active agents in paper based wrapping system for increasing the shelf-life of raw meat. **Poster at IPC 2019 - International scientific conference. Probiotics, prebiotics gut microbiota and health**, Prague, Czech Republic. (2019)

3) Huang X., Kamgang Nzekoue F., Coman MM., **Peter A.**, Talasman CM., Drazic G., Peñas A., Verdenelli MC., Sagratini G., Silvi S. Characterization of probiotics as active agent in PLA packaging for counteracting spoilage in ricotta cheese. **Poster at Cibo e nutraceutici: parola chiave "CARATTERIZZAZIONE"**. 4° Convegno a cura delle Piattaforme Tematiche di Ateneo, Camerino, Italy (2019)

4) Huang X., Kamgang Nzekoue F., Coman MM., **Peter A.**, Talasman CM., Drazic G., Peñas A., Verdenelli MC., Sagratini G., Silvi S., Antimicrobial activity of cell-free supernatant of *Lactobacillus plantarum* imc 509 against common food spoilage microbes. **Poster at 10th probiotics, prebiotics & new foods, nutraceuticals and botanicals for nutrition & human and microbiota health**, Università Urbaniana, Roma, Italy (2019)

5) Silvi, S., Verdenelli, MC., **Peter, A.**, Sagratini, G. EU project GRAFOOD: Active GRAPhene based FOOD packaging systems for a modern society. **Oral presentation at Cibo e nutraceutici: direzione salute**. 3° Convegno a cura delle Piattaforme Tematiche di Ateneo. 10/07/2018, Camerino, Italy. (2018)

6) **A. Peter**, A. Mihaly Cozmuta, L. Mihaly Cozmuta, C. Nicula, Preparation, Characterization and Applications of Nanomaterials based on Titania in Food Packaging, L4, 28 iunie -6 iulie 2014, pag. 9, 14th International Symposium and Summer School on Bioanalysis, Book of Abstracts, Smolenice, Bratislava, Slovakia, (2014)

7) A. Mihaly Cozmuta, **A. Peter**, L. Mihaly Cozmuta, C. Nicula, C. Cadar, Active packaging system based on Ag/TiO₂ nanocomposite applied in preserving the wheat bread during storage. I. Changes in physical parameters, The 4th International Conference on Food Chemistry, Engineering & Technology, May 30 - 31, 2013, Timișoara- Romania, pag. 34. (2013)

8) C. Cadar, A. Mihaly-Cozmuta, **A. Peter**, C. Nicula, L. Mihaly-Cozmuta, M. Metenti, Ag/TiO₂ based on nanomaterials used in food preservation, 13-th International Symposium and Summer School on Bioanalysis, P3 - Debrecen, Hungary (2013)

9) **A. Peter**, E. Indrea, L. Baia, V. Cosoveanu, V. Danciu, Photocatalytic activity of the TiO₂ based aerogels: TiO₂-SiO₂ versus noble metal-TiO₂ composites, 9th International Symposium of the Romanian Catalysis Society RomCat 2010, Book of Abstracts, p. 97-98, June 23-26 Iasi, Romania (2010)

10) **A. Peter**, M. Marian, Statistical aspects concerning allelopathic effect between different species of plants, 7th International Conference on Applied Mathematics, ICAM 2010, 1-4 september, Baia Mare, Romania, Book of Abstracts, p. 77. oral presentation (2010)

11) **A. Peter**, L. Baia, V. Cosoveanu, M. Baia, D. Constantin, E. Indrea, I. C. Popescu and V. Danciu, Influence of Si Content and Thermal Treatment Temperature on Structural and Photocatalytic Properties of Titania-Silica Aerogels, J. of Optoelectronics and Adv. Mat.- Symposia, 1(1), 6, (2009)

12) E. Indrea, **A. Peter**, D. T. Silipas, S. Dreve, R.C. Suci, M.C. Rosu, V. Danciu, V. Cosoveanu, Structural characterisation of binary SiO₂-TiO₂ nanoparticle aerogels by X-ray scattering, J. of Physics: Conference Series 182, 012066, 1-4, <http://www.iop.org/EJ/journal/conf> - Suceava, Romania (2009)

13) **A. Peter**, L. Baia, V. Cosoveanu, M. Baia, D. Constantin, E. Indrea, I. C. Popescu, V. Danciu, Influence of Si Content and Thermal Treatment Temperature on Structural and Photocatalytic Properties of Titania-Silica Aerogels, The 5th Conference on Condensed Matter Physics, July, 16-18, 2008, Timisoara, Romania, P1-P35, 54 (2008).

14) **A. Peter**, L. Baia, F. Vasiliu, L. Diamandescu, M. Baia, V. Cosoveanu, I.C. Popescu, M. Feder, V. Danciu, Synthesis, Morpho-Structural and Photocatalytic Analysis of TiO₂ Aerogel-Au Colloidal Particle Composites, The 5th Conference „New Research trends in material science”, ARM-5, proceeding, vol. III, sept. 5-7, Sibiu, Romania, p.799 (2007)

15) **A. Peter**, V. Coșoveanu, P. Mărginean, Z. Moldovan, E. Indrea, V. Danciu, Environmental Applications of TiO₂ Aerogels, Sustainability for Humanity & Environment in The Extended Connection Field Science-Economy-Policy, vol.1, Editura Politehnică, Timișoara, p. 91-94 (2005).

16) L. Baia, **A. Peter**, V. Coșoveanu, E. Indrea, M. Baia, J. Popp, V. Danciu, Synthesis and nanostructural characterization of TiO₂ aerogel for photovoltaic devices, Thin Films and Nanostructure Materials for Photovoltaics, Strasbourg, p. 57-62 (2005).

17) V. Danciu, V. Trandafir, L. Baia, V. Coșoveanu, **A. Peter**, M. Baia, E. Indrea, Synthesis and Characterization of Novel Titania, Silica, Collagen Aerogels Based Composites for Biomedical Applications, Euromat '05, Praga, p. 87 (2005).

18) L. Baia, V. Trandafir, **A. Peter**, V. Coșoveanu, M. Baia, E. Indrea, V. Danciu, Synthesis, morphological and structural characterization of new collagen biocomposites for medical applications, 11-th European Conference on Application of Surface and Interface Analysis, Viena, p.192 (2005).

19) L. Baia, **A. Peter**, V. Coșoveanu, M. Baia, E. Indrea, V. Danciu, Structural and morphological properties of dye sensitized TiO₂ aerogel thin films obtained by sol-gel synthesis followed by supercritical drying, 11-th European Conference on Application of Surface and Interface Analysis, Viena, 193.(2005)

20) **A. Peter**, V. Danciu, V. Cosoveanu, Z. Moldovan, E.Indrea, G.Nutiu, L. Baia, I. Rosu, TiO₂ Aerogel-Mediated Heterogeneous Photocatalysis for Wastewater Decontamination, Volumul Conferintei Innovations in the field of water supply, sanitation and water quality management, Bucuresti, Romania, p.103-112 (2005).

Research Projects gained by competition (18 projects)

Project manager

No.	Description
1.	<p>Title: Active GRaphene based FOOD packaging systems for a modern society (GRAFOOD) - nr contract 72/2017 Consortium Coordinator: Conf. Anca Peter, Members: Leonard Mihaly Cozmuta, Anca Mihaly Cozmuta, Camelia Nicula si altii. Period: 2017-2020 Programme: HORIZONT 2020 - apel M-ERANET 2016 Partners: Universitatea Tehnica din Cluj Napoca, Ceprohart Braila, National Institute of Chemistry Ljubljana Slovenia, University of Camerino Italy, SYNBIOTEC Italy, Andaltec Spain</p>
2.	<p>Title: STRUCTural and PHOtochemical investigations of a nanosized composite as active component of paper based PACKage designed for food applications (STRUCT-PHO-PACK) Cooperation Protocols of the applicant institution in Romania with JINR, or Cooperation Agreement with JINR for a Scientific Programme, Number of Protocol between Romania and IUCN: 4517-3-16/18, Theme and activity from the JINR Topical Plan: Theme code: 01-3-1115-2014/2018, Priority: 1, Theme name: Theory of Condensed Matter, Perioada: 2017-2018 Partners: Universitatea Tehnica Cluj Napoca Romania si Joint Institute for Nuclear Research Dubna Rusia</p>
3.	<p>Title: Smart functions of packages containing nano-structured materials in food preservation – SMARTPACK – nr. contract 7-065 / 26.09.2012; http://chimie-biologie.ubm.ro/smartpack/index.html Members: Leonard Mihaly Cozmuta, Anca Mihaly Cozmuta, Camelia Nicula si altii. Period: 2012-2015 Programme: HORIZONT 2020, apel MNT-ERANET Micro-Nano-Technologies (2011) Partners: ICA-Bucuresti-Romania, Universitatea Babes Bolyai Cluj Napoca-Romania, SC L&G Consulting SA -Romania, Warsaw University of Technology – Poland</p>
4.	<p>Title: Materiale avansate nanostructurate de tip aerogel cu aplicatii la depoluarea mediului prin fotocataliza heterogena, cod CNC SIS 44, tema 15/2005. Research team : Peter Anca - director, Danciu Virginia, Cosoveanu Veronica, etc.... Period: 2005-2007 Funding Agency: Ministerul Educatiei si Cercetarii prin Programul TD.</p>

Member in the research team

1.	<p>Title Structural and antibacterial studies of new vitreous oxide materials based on iron and vanadium doped with silver ions Period: 2020-2021 Responsible UTCN: Sef lucrari dr. Racolta Dania Members UTCN: A. Mihaly Cozmuta, A. Peter, C. Nicula, M. Jelea Funding Source: Joint project proposals within the framework of scientific cooperation between Romania and JINR JINR-RO, theme 02-1-1107-2011/2021, item 9 Partners: Technical University of Cluj Napoca (UTCN) Romania, JINR Laboratory: Veksler and Baldin Laboratory of High Energy Physics – Dubna;</p>
2.	<p>Project 322/21.05.2018 item 12, Investigation of the structural and antibacterial properties of new vitreous oxide materials</p>

	based on vanadium doped with silver ions, Theme code 02-1-1107-2011/2019, (2018), team leader Dubna: Andrey Rogachev, team leader Romania: D. Racolta, members team Romania: Anca Mihaly Cozmuta, Leonard Mihaly Cozmuta, Anca Peter, Camelia Nicula, Marian Jelea (1700 USD)
3.	Project 269/20.05.2020 item 9 , Structural and antibacterial studies of new vitreous oxide materials based on iron and vanadium doped with silver ions, Theme code 02-1-1107-2011/2021, (2020), team leader Dubna: Andrey Rogachev, team leader Romania: D. Racolta, members team Romania: Constantin Andronache, Anca Mihaly Cozmuta, Leonard Mihaly Cozmuta, Anca Peter, Camelia Nicula, Marian Jelea (2200 USD)
4.	Project 397/27.05.2019 item 6 , Investigation and comparison of the properties of new vitreous oxide materials based on vanadium doped with silver ions, Theme 02-1-11-7-2011/2019, (2019), team leader Dubna: Andrey Rogachev, team leader Romania: D. Racolta, members team Romania: Anca Mihaly Cozmuta, Leonard Mihaly Cozmuta, Anca Peter, Camelia Nicula, Marian Jelea (2100 USD) Funding Source: Joint project proposals within the framework of scientific cooperation between Romania and JINR JINR-RO Partners: Technical University of Cluj Napoca (UTCN) Romania, JINR Laboratory: Veksler and Baldin Laboratory of High Energy Physics – Dubna;
5.	Title: FOOD CHAIN 4 EUROPE Period : 2017-2022 Responsable UTCN-CUNBM: Prof.dr.ing. Anca Mihaly Cozmuta Members UTCN-CUNBM: Conf.dr. Anca Peter, Conf.dr. Camelia Nicula, Conf. dr. Leonard Mihaly Cozmuta Funding programe: INTERREG IV C Consortium: Consiliul Judetean Maramures cu Universitatea Tehnica din Cluj Napoca - Centrul Universitar Nord din Baia Mare (Romania), Provincia Flevoland (Olanda), Fundația AERES GROUP UAS (Olanda), Fundația Euro Perspectives (Bulgaria), Universitatea de Tehnologie Alimentară Plovdiv (Bulgaria), Universitatea Catolica Del Sacro Cuore Milano (Italia), Regiunea Emilia Romagna - directoratul General pentru Agricultură, Vânătoare și Pescuit (Italia), Consiliul Metropolitan Oldham (Marea Britanie), Universitatea Metropolitană Manchester (Marea Britanie). Budged total: 1556512 euro , Romanian budged 149354 euro.
6.	Title: Developing of a biophysical system based on zeolites microorganisms-vegetal species for ecoremediation of tailing ponds coming from gold-silver preparation industry - ZEMIP Consortium coordinator: Lecturer dr. eng. Leonard Mihaly Cozmuta - Chemistry-Biology Department North University of Baia Mare, Members: Camelia Varga (Nicula), Anca Peter , Anca Mihaly Cozmuta, Monica Marian Time range: 2009-2011 Funding source: PNCDI 2 Partners: North University of Baia Mare, University of Witswatersrand, Johannesburg, South Africa
7.	Title: Bioacumularea metalelor grele in lantul sol-legume-om - BIOMEG Coordinator: Conf.dr. Camelia Varga (Nicula) - Universitatea de Nord Baia Mare Members: Leonard Mihaly Cozmuta, Monica Marian, Anca Mihaly Cozmuta, Anca Peter , Vasile Oros, Rodica Apan, Flavia Pop, Liviu Giurgiulescu, Anca Dumuta Period: 2008-2011 Program: CNMP (PNCD 2) Partners: Universitatea de Nord Baia Mare, Universitatea din Oradea, Statiunea de Cercetari Agricole Livada Satu Mare, facultatea de Medicina Universitatea Transilvania Brasov
8.	Title: Reabilitarea iazurilor de decantare prin aplicare de amendamente si cultivarea unor specii vegetale cu adaptabilitate ridicata la continutul de metale grele - RIVAM Coordinator: sef lucrari dr. Leonard Mihaly Cozmuta- Universitatea de Nord Baia Mare Members: Camelia Varga (Nicula), Anca Mihaly Cozmuta, Monica Marian, Anca Peter , Oros Vasile, Gheorghe Vatca, Apan Rodica, Liviu Giurgiulescu, Denut Ioan, Anca Dumuta, Pop George Ovidiu period: 2008-2011 Program: CNMP (PNCD 2) Partners: Universitatea de Nord Baia Mare, Universitatea din Oradea, Statiunea de Cercetari Agricole Livada Satu Mare
9.	Title: Monitorizarea actiunii microbiotei solului in vederea utilizarii ei in reabilitarea ecologica a iazurilor de decantare – AMSREI; Contract nr.: 31010/2007 Coordinator: sef lucrari dr. Monica Marian - Universitatea de Nord Baia Mare Members: Camelia Varga (Nicula), Leonard Mihaly Cozmuta, Anca Mihaly Cozmuta, Anca Peter , Vasile Oros, Mirela Coman, Mihalescu Lucia, Oana Rosca Mare, Flavia Maries, Codre Anca, Period: 2007-2010 Program: CNMP (PNCD 2) Partners: Universitatea de Nord Baia Mare, Universitatea din Oradea, Statiunea de Cercetari Agricole Livada Satu Mare
10.	Title: Elaborarea hartilor de hazard si evaluarea calitatii mediului in arealele miniere din judetele Maramures si Satu Mare utilizand sistemele informationale geografice - SIG Coordinator of consortium: dr. Driga Basarab - IGAR

	<p>Director UBM: prof.dr.ing. Anca Mihaly Cozmuta Members: Leonard Mihaly Cozmuta, Camelia Varga (Nicula), Anca Peter, Vasile Viman, Denut Ioan, Bud Ioan, Spatar Cornel, Gheorghe Vatea period: 2005-2008 Program: CNCISIS Partners: Institutul de Geografie al Academiei Romane, Institutul de Instrumentatie Analitica Cluj Napoca, Geoproiect Bucuresti, Universitatea de Nord Baia Mare, FSM Cluj Napoca</p>
11.	<p>Title: <i>Aplicarea integrata a bazelor de date pentru adoptarea si restructurarea factorilor naturali si artificiali de protectie a mediului in Ferme Zootehnice-AIBD</i> Director: prof.dr.ing. Anca Mihaly Cozmuta – Universitatea de Nord Baia Mare Members: Leonard Mihaly Cozmuta, Camelia Varga (Nicula), Anca Mihaly Cozmuta, Oprea Gabriela, Vasile Viman, Gheorghe Vatea, Anca Peter, Flavia Maries, Ioana tascu, Corina Dragos, Florin Boltea period: 2005-2008 program: Ministerul Educatiei si Cercetarii prin Programul Cercetare de Excelenta - CALIST Partners: USAMV Cluj Napoca, Universitatea de Nord Baia Mare – Romania, Universitatea Gent Belgia, Academia de Stiinte Republica Moldova – Institutul de Zoologie</p>
12.	<p>Title: Conexiuni la cercetarea europeana de excelenta in problematica de mediu - CONEEX, nr. 1560/2.09.2005 Director: prof.dr. Vasile Viman – Universitatea de Nord Baia Mare Members: Anca Mihaly Cozmuta, Leonard Mihaly Cozmuta, Camelia Varga (Nicula), Oprea Gabriela, , Gheorghe Vatea, Anca Peter, Flavia Maries, etc... period: 2005-2007 Funding source: Ministerul Educatiei si Cercetarii prin Programul Cercetare de Excelenta - P-INT-VIZ Partners: UBM, ICIA-CENTI Cluj, INOE Bucuresti</p>
13.	<p>Title: <i>Materiale fotocatalitice inovative aplicate la decontaminarea chimica si microbiologica a aerului din incinte, MATDECON-PN II 71-099/2007</i> Research team: Virginia Danciu - director, Peter Anca, Cosoveanu Veronica si altii period: 2007-2010 Program: Ministerul Educatiei si Cercetarii - Programe PN II.</p>
14.	<p>Title: <i>Noi sisteme vitroase telurate si germanate cu aplicatii in telecomunicatii, NOSIVTEL-PN II 71-099/2007</i> Research team: Virginia Danciu - director, Peter Anca, Cosoveanu Veronica si altii period: 2007-2010 Program: Ministerul Educatiei si Cercetarii - Programul PN II.</p>

Internationals visibility

1. Member in scientific board of ISI journals

2. Member in boards of professional associations



ROMÂNIA
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www.cjmaramures.ro



Nr. 4284 / 4.03.2021

În atenția Conducerii Universității Tehnice Cluj Napoca

În contextul cerințelor tot mai mari provenite din partea consumatorilor legate de creșterea calității, siguranței și sustenabilității lanțurilor alimentare începând de la materiile prime și auxiliare și până la consumator și a necesității sprijinirii susținerii agenților economici din domeniul alimentar, Consiliul Județean Maramureș implementează în perioada 2017-2021, în parteneriat extern proiectul *FoodChains 4 Europe- Strengthening regional innovation policies to build sustainable food chains*, finanțat prin programul INTERREG EUROPE. .

Obiectivul principal al proiectului este îmbunătățirea implementării politicilor regionale care stimulează transferul de inovare pentru a crește sustenabilitatea lanțurilor alimentare în cinci regiuni participante: Flevoland (Regatul Țărilor de Jos), Plovdiv/Sofia (Bulgaria), Emilia-Romagna (Italia), Maramureș (România) și Greater Manchester (UK). Pentru realizarea acestui obiectiv, autorități locale, universități și agenți economici din domeniul industriei alimentare din fiecare regiune și-au împărtășit experiența și expertiza pe durata unor activități de peer review și activități de învățare interregională.

Activitățile de evaluare de tip peer review a lanțurilor alimentare din regiunile participante s-au desfășurat în intervalul 2017-2019 și au fost realizate de un grup de experți internaționali proveniți din Provincia Flevoland și Universitatea Aeres Group Foundation (Regatul Țărilor de Jos), Universitatea de Tehnologie Alimentară - Plovdiv și Fundația Euro Perspectives –Sofia (Bulgaria), Universitatea Catolică del Sacro Cuore - Milano și regiunea Emilia-Romagna - Directoratul General pentru Agricultură, Vânătoare și Pescuit Agriculture Hunting - Bologna (Italia), Universitatea Metropolitană Manchester și Consiliul local Oldham – Greater Manchester (UK) și Consiliul Județean Maramureș (RO). Din echipa de experți internaționali din județul Maramureș au făcut parte și cadrele didactice universitare: **Prof.dr.ing. Mihaly Cozmuța Anca**, **Conf.dr. Peter Anca** și **Conf.dr.ing. Giurgulescu Liviu** de la Universitatea Tehnică din Cluj Napoca, Centrul Universitar Nord din Baia Mare.

Pe baza rapoartelor de peer review întocmite de către grupul de experți internaționali, fiecare regiune parteneră a dezvoltat un plan de acțiune prin care se transferă inovare către sectorul alimentar din zonă, planuri care se implementează în faza a II-a a proiectului, în perioada 2020-2021.

Detalii privitoare la activitățile de peer-review pot fi găsite la adresa <https://www.interregeurope.eu/foodchains4eu>.

Ionel Ovidiu BOGDAN
Președintele Consiliului Județean Maramureș



Elaborat de Mihaela Lițe
Șef Birou Relații Internaționale
Manager proiect FoodChains4 Europe
Tel fax 0262.211.544 e-mail: brsi@maramures.ro



3. Member in PhD comitees

1	Reviewer for the PhD thesis of Xiaohui Hunag in University of Camerino Italy
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We hereby certify that Prof. **Anca Peter** of the Technical University of Cluj Napoca, North University Center of Baia Mare, Romania was identified as external evaluator for the Doctoral thesis of the Doctoral candidate **Xiaohui Huang** at the School of Advanced Studies at the University of Camerino, Italy.

Camerino, March 12, 2021

Prof. Roberto Cicciocioppo

Director

School of Advanced Studies



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4. Invited professor

1	University of Pecs, Department of Analytical Chemistry, Faculty of Sciences and Institute of Bioanalysis, Faculty of Medicine, Hungary, teacher mobility CEEPUS : CII – HU-0010-04-0910-M-34185, 12.04.2010 – 12.05.2011
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5. Scientific indicators

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Technical University of Cluj Napoca
Dist. Chem
BASA MARE, ROMANIA

Published names	Peter, Anca	Peter, [i]
Organizations	2009-2021	Technical University of Cluj Napoca
	2012-2012	N Univ Bala Mare
	2007-2011	Babeş-Bolyai University from Cluj

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Peter, Anca†; Cornescu, Leonard Mihail; [i-]; Giv, Steliana

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1 Times Cited

Metrics

Publication Metrics

16 H-index	56 Total Publications
684 Sum of Times Cited	594 Citing Articles

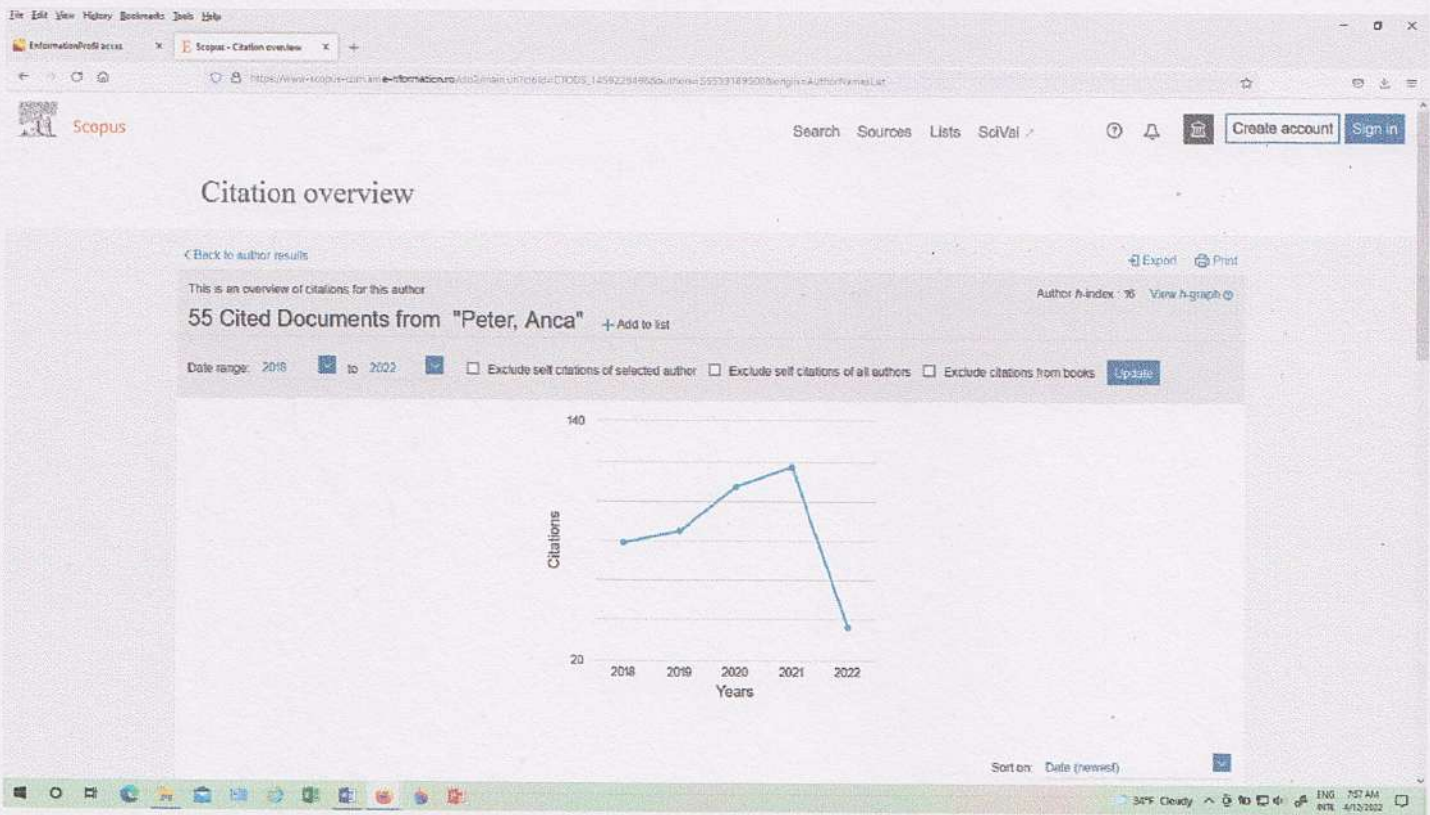
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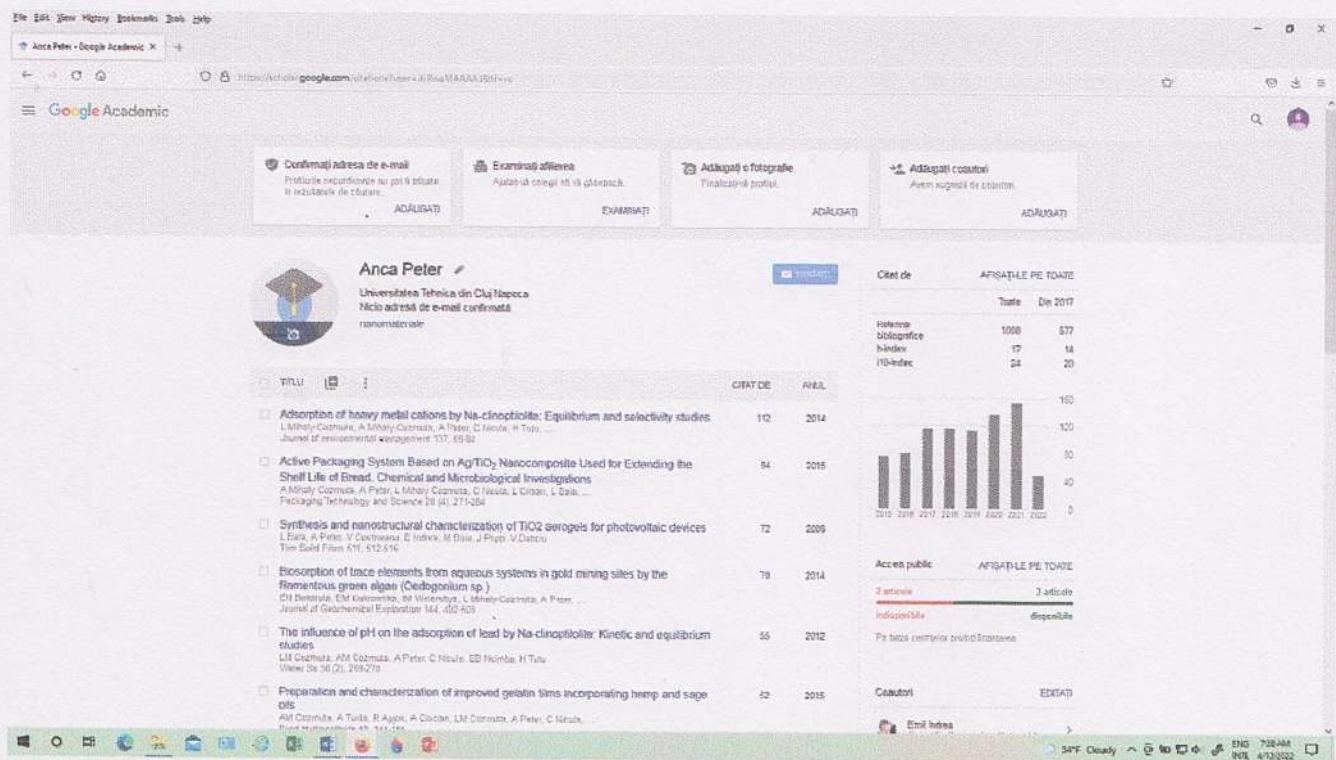
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Indice Hirsh – Google Scholar = 17



6. Reviewer for ISI and BDI journals

ISI journals

ACS Applied Materials & Interfaces
African Journal of Agricultural Research
Chemical Papers
CLEAN - Soil, Air, Water
CyTA - Journal of Food
Environmental Science – Nano
Hepatobiliary and Pancreas Disease International
Desalination and Water Treatment
[Food and Nutritional Disorders - SciTechnol](#)
Industrial & Engineering Chemistry Research
Industrial Crops and Products
International Journal of Applied Ceramic Technology
International Journal of Energy Research
International Journal of Food Properties
International Journal of Food Science & Technology
Journal of Alloys and Compounds
Journal of Food Science
Journal of Food Properties
Journal of materials Science
Journal of Nanoscience and Nanotechnology
Journal of Optoelectronics and Advanced Materials
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Journal of Residuals Science and Technology
Journal of Water Process Engineering
Main Group Chemistry
Material Letters
Materials Today Communications
Molecules
NANO
Nanomaterials
Nutrition and Food Science
Polymers
RSC Advances
Surface and Coatings Technology
Surface and Interfaces

BDI journals

International Journal of Agricultural Sciences
Analele Universitatii Galati
Carpathian Journal of Food Science and Technology
International Journal of Biochemistry and Biotechnology
International Journal of Medicinal Plant Research
International Research Journal of Plant Science(IRJPS)
International Journal of Agricultural Sciences
International Journal of Biochemistry and Biotechnology
TOPCLASS JOURNAL OF AGRICULTURAL RESEARCH
International Journal of Plant Physiology and Biochemistry
International Research Journal of Plant Science
Pacesetter Journal of Agricultural Science Research
[British Journal of Applied Science & Technology](#)
International Journal of Agricultural Policy and Research

Date
2.06.2022

Assoc Prof. Anca Peter

