


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

Lectures and practical classes : Nanotechnologies in food engineering, Bio-and nanomaterials, Perspectives in food packaging, Principles and preservation methods for food products

WORK EXPERIENCE

Dates	<ul style="list-style-type: none"> - 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

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

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 The research and didactic activity is presented below.
 Presentations
 Projects
 Conferences
 Seminars
 Honours and awards
 Memberships
 References

Didactical and research activity

1. Books

Nr.	Autori	Titlu	Editura
1	A. Peter	Bio-si Nanomateriale cu aplicabilitate in medicina	Ed. U.T.Press Cluj Napoca, ISBN 978-606-737-566-4, 200_ pagini, 2022
2	A. Peter , A. Mihaly Cozmuța	Tendințe moderne în ambalarea produselor alimentare: aspecte teoretice și practice	Ed. U.T.Press Cluj Napoca, ISBN 978-606-737-474-2, nr. pagini 565, 2020
3	Anca Peter	Principii și metode clasice și moderne de conservare a alimentelor	Editura U.T.Press Cluj Napoca, ISBN 978-606-737-220-5, 127 p, 2017
4	Camelia Nicula, Anca Peter	400 de itemi grila pentru biochimie	Editura Risoprint Cluj Napoca, ISBN: 978-973-53-1449-1, 71p., 2014
5	Anca Peter , Camelia Nicula	Chimia compusilor cu functiuni multiple prezenti in alimente	Editura Risoprint Cluj Napoca, ISBN: 978-973-53-0530-7, 201 p, 2011
6	Anca Peter , Virginia Danciu	Aerogeluri pe baza de TiO ₂ cu aplicatii la depoluarea mediului	Editura Risoprint, Cluj-Napoca, ISBN: 978-973-53-0353-2, 158 p, 2010

2. Laboratory guides

Nr.	Autori	Titlu	Editura
1	Anca Peter , Camelia Nicula, Adriana Ambrus	<i>Chimia alimentelor - caiet de laborator pentru studenti</i>	Editura Risoprint Cluj Napoca, ISBN: 978-973-53-0507-9, 83 p., 2011
2	G. Oprea, A.Peter , C. Varga, I. Dunca, C. Mihali	<i>Indrumator pentru lucrari practice de chimie fizica si coloidala</i>	Ed. Risoprint, Cluj Napoca, ISBN: 973-751-384-3, 159 p., 2006
3	Adriana Ambruș, Anca Peter , Claudia Drinkal	<i>Lucrări practice de chimie organică</i>	Editura Risoprint, Cluj Napoca, ISBN: 973-656-517-3, 104 p., 2004
4	Camelia Varga, Anca Peter , Adriana Ambruș, Ioana Dunca	<i>Lucrări practice de biochimie, partea a II-a</i>	Editura Risoprint, Cluj Napoca, ISBN: 973-656-594-3, 116 p, 2004
5	Camelia Varga, Anca Peter , Adriana Ambruș, Ioana Dunca,	<i>Lucrări practice de biochimie, partea I</i>	Editura Risoprint, Cluj Napoca, ISBN: 973-656-503-3, 94 p, 2003

3. Articles published in ISI ranked journals

	Autori	Detalii articol
1.	Anca Peter, Camelia Nicula, Anca Mihaly Cozmuta, Goran Drazic, Antonio Peñas, Stefania Silvi and Leonard Mihaly Cozmuta	Polylactic acid-based film modified with nano-Ag-graphene-TiO ₂ : new film <i>versus</i> recycled film, <i>Advances in Polymer Technology</i> , 2023, Q2, accepted
2.	Anca Peter, Leonard Mihaly Cozmuta, Camelia Nicula, Anca Mihaly Cozmuta, Goran Drazic, Antonio Peñas, Stefania Silvi	Recovery and characterization of nano-Ag-graphene-TiO ₂ - active compound from polylactic acid (PLA)-based film, <i>Journal of Polymers and the Environment</i> , 2023, Q2, https://doi.org/10.1007/s10924-023-02995-8
3.	A. Mihaly Cozmuta, M.A.K. Purbayanto, A. Jastrzębska, A. Peter, C. Nicula, A.	Thermal stability and <i>in vitro</i> digestion of alginate–starch–iron beads for oral delivery of iron, <i>Food Hydrocolloids</i> , 2023, FOOHYD 108808, https://doi.org/10.1016/j.foodhyd.2023.108808 , Q1

	Uivarasan, L. Mihaly Cozmuta,	
4.	Anca Mihaly Cozmuta, Alexandra Uivarasan, Anca Peter, Camelia Nicula, Dalma Eموke Kovacs, Leonard Mihaly Cozmuta	Yellow mealworm (<i>Tenebrio molitor</i>) powder promotes a high bioaccessible protein fraction and low glycaemic index in biscuits, <i>Nutrients</i> , 2023, 15, 997, IF 6.706 Q1
5.	A. Mihaly Cozmuta a,* , C. Nicula a, A. Peter a, L. Mihaly Cozmuta a, A. Nartea b, A. Kuhalskaya b, D. Pacetti b, S. Silvi c, D. Fiorini d, L. Pruteanu a	Cricket and yellow mealworm powders promote higher bioaccessible fractions of mineral elements in functional bread, <i>Journal of Functional Food</i> 99 (2022) 105310 Q1
6.	Anca Peter ¹ , Leonard Mihaly Cozmuta ¹ , Camelia Nicula ¹ , Anca Mihaly Cozmuta ¹ , Goran Drazic ² , Antonio Peñas ² , Franks Kamgang Nzekoue ⁴ , Xiaohui Huang ⁴ , Gianni Sagratini ⁵ , Stefania Silvi ⁶	Storage of chicken breast meat in paper coated with different types of hydrophobic agents , <i>Packaging Technology and Science</i> , 2023, 36(2), 97-110, DOI: 10.1002/pts.2694 – Q3
7.	L. Mihaly Cozmuta a,* , C. Nicula a, A. Peter a, R. Apjok a, A. Jastrzębska b, A. Mihaly Cozmuta	Insights into the fermentation process of fresh and frozen dough bread made with alginate-immobilized <i>S. cerevisiae</i> yeast cells, <i>Journal of Cereal Science</i> 107 (2022) 103516
8.	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> , 30, 1-12, (2022) Q3
9.	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> , 363, 130341 (2021)
10.	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> , 42, 101143, (2021)
11.	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> 267, 124693 (2021)
12.	A. Peter, L. Mihaly Cozmuta, C. Nicula, A. Mihaly Cozmuta, C.M. Talasman, G. Drazic, M. Bele, A. Vizintin, E. Tchernychova, 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> , 21(4), 2278–2291 (2021)

13.	<u>Huang X., Nzekoue F.K., Coman M.M., Peter A., Talasman C.M., Drazic G., Penas A., Verdenelli M.C., Sagratini G., Silvi S.</u>	<u>Antimicrobial Activity of Cell-free Supernatant of <i>Lactobacillus Plantarum</i> IMC 509 Against Common Food Spoilage Microbes</u> , Journal of Clinical Gastroenterology, 54, S23-S23 (2020)
14.	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, <u>Analytical Biochemistry</u> , 593, 113587 (2020)
15.	<u>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</u>	Impact of packaging properties on the physical-chemical-microbiological-sensory characteristics of Ricotta cheese during storage, Packaging Technology and Science, 33 (1), 27-37 (2020).
16.	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, Cellulose 26(3) 1923-1946 (2019).
17.	A. Peter , A. Mihaly-Cozmuta, C. Nicula, L. Mihaly-Cozmuta, A. Vulpoi, L. Baia	Fabric impregnated with TiO ₂ gel with self-cleaning property, International Journal of Applied Ceramic Technology 16(2), 666-681 (2019).
18.	T. Wojciechowski, A. Rozmysłowska-Wojciechowska, G. Matyszczak, M. Wrzeciećek, 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, Inorganic Chemistry 58(11), 7602–7614 (2019).
19.	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. Journal of Food Process Engineering, 42(2), e12965, (2019)
20.	A. Mihaly Cozmuta, A. Peter , C. Nicula, L. Mihaly Cozmuta,	Impact of algae addition on bread properties and consumers behavior-preliminary research, Carpathian Journal of Food Science and Technology, 11(1)121-125 (2019)
21.	A. Peter , C. Nicula, L. Mihaly Cozmuta, A. Mihaly Cozmuta	An efficient and innovative method to preserve the harvested plums during storage, Journal of Food Processing and Preservation, 42(1), 1-10 (2018)
22.	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, Cellulose 25(9), 5205-5225 (2018)
23.	A. Peter , A. Mihaly-Cozmuta, C. Nicula, L. Mihaly-Cozmuta	Assessment of TiO ₂ photoactivity on the lead removal: kinetic and mechanistic processing, Water Science and Technology 75 (11), 2508-2519 (2017)
24.	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, Water Air and Soil Pollution 228(1), 41 (2017)
25.	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, Cellulose 24(9), 3911-3928 (2017)
26.	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. Packaging Technology and Science 30 (1-2), 3–20 (2017)

27.	A. Mihaly Cozmuta, L. Mihaly Cozmuta, A. Peter , C. Nicula, Z. Vosgan, L. Giurgiulescu, A. Vulpoi, M. Baia	Effect of monochromatic Far-Red light on physical-nutritional-microbiological attributes of red tomatoes during storage, <i>Scientia Horticulturae</i> 211, 220–230 (2016)
28.	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> 197, 790–798 (2016).
29.	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> , 28, 271–284 (2015).
30.	<u>A. Mihaly Cozmuta, A. Turila, R. Apjok, A. Ciocian, L. Mihaly Cozmuta, A. Peter, C. Nicula, N. Galić, T. Benković</u>	Preparation and Characterization of Improved Gelatin Films Incorporating Hemp and Sage Oils, <i>Food Hydrocolloids</i> , 49, 144-155 (2015).
31.	I. Lázár, J. Kalmár, A. Peter , A. Szilágyi, E. Gyori, T. Ditrói, I. Fábán	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> 356, 521–531 (2015)
32.	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, C. Cadar, A. Jastrzębska, 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> 648, 890-902 (2015).
33.	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, A. Jastrzębska, P. Kurtycz, A. Olszyna	Morphology, structure, and photoactivity of two types of graphene oxide–TiO ₂ composites, <i>Chemical Papers</i> 69 (6) 839–855 (2015).
34.	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> , 37(6), 596-608 (2014).
35.	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> , XVI(36), 397-415 (2014).
36.	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> 144, 492–503 (2014).
37.	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> , 11(3), 568-581 (2014).
38.	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> , 29(3), 129–133 (2014).
39.	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> 137, 69-80 (2014).
40.	A. Peter , L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, C. Nicula, E. Indrea, H. Tutu	Calcium and ammonium ion-modification of zeolit amendments affects the metal-uptake of <i>Hieracium piloselloides</i> on a dose-dependent way, <i>Journal of Environmental Monitoring</i> , 14, 2807-2814 (2012).

41.	A. Peter, C. Nicula, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, E. Indrea	<u>Chemical and sensory changes of different dairy products during storage in packages containing nanocrystallised TiO₂</u> , International Journal of Food Science and Technology, 47(7), 1448-1456 (2012).
42.	A. Mihaly Cozmuta, L. Bretan, L. Mihaly Cozmuta, C. Nicula, A. Peter	<u>Lead traceability along soil-melliferous flora-bee family-apiary products chain</u> , Journal of Environmental Monitoring, 14(6), 1622-1630 (2012).
43.	M. Marian, A. Peter, L. Mihaly-Cozmuta, E. Bakatula	Increased survival chances of the species Quercus petraea in terms of pollution with Cd and Cu by using microbiota-bentonite systems, Carpathian Journal of Earth and Environmental Sciences, 7(1), 231 - 237 (2012).
44.	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, Water SA, 38(2), 269-278 (2012).
45.	A Peter, E Indrea, A Mihaly-Cozmuta, L Mihaly-Cozmuta, C Nicula, H Tutu, E Bakatula,	<u>Dual efficiency of nano-structured TiO₂/zeolyte systems in removal of copper (II) and lead (II) ions from aqueous solution under visible light</u> , AIP Conference Proceedings, 1425, 139-143. (2012)
46.	A. Peter, C. Nicula, A. Mihaly-Cozmuta, L. Mihaly-Cozmuta, E. Indrea, V. Danciu, H. Tutu, E. Bakatula Nsimba,	<u>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</u> , African journal of agricultural research, 6(21), 5010-5023 (2011).
47.	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, Journal of Alloys and Compounds, 509, 2672-2678 (2011).
48.	A. Peter, M. Marian, C. Nicula, L. Mihaly-Cozmuta, A. Mihaly-Cozmuta, E. Indrea,	<u>The sorptive performance of microorganisms-zeolite systems to remove Cu²⁺, Zn²⁺, Cd²⁺, Fe²⁺ and Pb²⁺</u> , Revue Roumaine de Chimie, 56(9), 847-852 (2011).
49.	A. Peter, L. Baia, M. Baia, E. Indrea, F. Toderas, V. Danciu, V. Cosoveanu, L Diamandescu	<u>Porous Au-TiO₂ aerogels nanoarchitectures for photodegradation processes</u> , Journal of Optoelectronics and Advanced Materials, 12 (5), 1071-1077 (2010).
50.	C. Varga (Nicula), M. Marian, A. Peter, D. Boltea, L. Mihaly-Cozmuta, E. Nour	Strategies of heavy metal uptake by Phaseolus vulgaris seeds growing in metalliferous and non-metalliferous areas, Studia Universitatis Babes-Bolyai, Chemia, LIV(3), 223-234 (2009).
51.	A. Peter, M. Baia, F. Toderas, M. Lazar, L. Barbu-Tudoran, V. Danciu	Photo-catalysts based on gold-titania composites, Studia Universitatis Babes-Bolyai, Chemia, LIV(3), 161-171 (2009).
52.	Baia, L., Baia, M., Vasiliu, F., Diamandescu, L., Peter, A., Cosoveanu, V., Danciu, V.	TiO ₂ -Ag Porous Nanocomposites for Advanced Photocatalytic Processes CLEAN TECHNOLOGY 2008: BIO ENERGY, RENEWABLES, GREEN BUILDING, SMART GRID, STORAGE, AND WATER 683-686, 2008 NSTI NANOTECH 2008, VOL 1, TECHNICAL PROCEEDINGS 381-384, 2008
53.	L. Baia, M. Baia, A. Peter, V. Cosoveanu, V. Danciu	Evaluating the thermal treatment parameters effect on the anatase nanocrystalites size of titania aerogels, J. Optoelectron. Adv. Mater. 9(3), 671-674 (2007).
54.	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, Studia Universitatis Babes-Bolyai, CHEMIA, XII(3), 105-111 (2007).
55.	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, Thin Solid Films, 511-512, 512-516 (2006).

4. Articles published in International database journals (BDI)

Nr	Articol
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.

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 annum 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.
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5. Patents

5.1. European

Nr.	Brevet
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. - sub evaluare, acceptat pentru publicare.
2	A. Peter , C. Nicula, A. Mihaly Cozmuta, L. Mihaly Cozmuta and other 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 – sub evaluare, acceptat pentru publicare

5.2. Nationals

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 si alti 23 inventatori, Procedee de obtinere a unor ambalaje alimentare inteligente , - nr. inregistrare a2015 00256 din 8.04.2015 la OSIM Romania, solicitanti: Technical University of Cluj Napoca, Babes-Bolyai University Cluj Napoca, ICA R&D, L&G Consulting, Warsaw University of Technology Poland, nr. inreg. a2015 00256, aprobat prin 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

	RoI UTCN-CUNBM: îmbunătățirea punerii în aplicare a politicilor regionale care să stimuleze furnizarea de inovare pentru a crea lanțuri alimentare durabile.
2	<p>Titlu: <i>Developing of a biophysical system based on zeolites microorganisms-vegetal species for ecoremediation of tailing ponds coming from gold-silver preparation industry - ZEMIP</i></p> <p>Consortium coordinator: Lecturer dr. eng. Leonard Mihaly Cozmuta - Chemistry-Biology Department North University of Baia Mare,</p> <p>Membri: Camelia Varga (Nicula), Anca Peter, Anca Mihaly Cozmuta, Monica Marian</p> <p>Time range: 2009-2011</p> <p>Funding source: PNCDI 2</p> <p>Partners: North University of Baia Mare, University of Witswatersrand, Johannesburg, South Africa</p>

6.2.2. National

3	<p>Titlu proiect: <i>Bioacumularea metalelor grele in lantul sol-legume-om - BIOMEG</i></p> <p>Coordonator: Conf.dr. Camelia Varga (Nicula) - Universitatea de Nord Baia Mare</p> <p>Membri: Leonard Mihaly Cozmuta, Monica Marian, Anca Mihaly Cozmuta, Anca Peter, Vasile Oros, Rodica Apan, Flavia Pop, Liviu Giurgulescu, Anca Dumuta</p> <p>Anul: 2008-2011</p> <p>Sursa de finantare: CNMP (PNCD 2)</p> <p>Parteneri: Universitatea de Nord Baia Mare, Universitatea din Oradea, Statiunea de Cercetari Agricole Livada Satu Mare, facultatea de Medicina Universitatea Transilvania Brasov</p> <p>Buget: Total 1.900.000 RON</p>
4	<p>Titlu proiect: <i>Reabilitarea iazurilor de decantare prin aplicare de amendamente si cultivarea unor specii vegetale cu adaptabilitate ridicata la continutul de metale grele - RIVAM</i></p> <p>Coordonator: sef lucrari dr. Leonard Mihaly Cozmuta- Universitatea de Nord Baia Mare</p> <p>Membri: Camelia Varga (Nicula), Anca Mihaly Cozmuta, Monica Marian, Anca Peter, Oros Vasile, Gheorghe Vatca, Apan Rodica, Liviu Giurgulescu, Denut Ioan, Anca Dumuta, Pop George Ovidiu</p> <p>Anul: 2008-2011</p> <p>Sursa de finantare: CNMP (PNCD 2)</p> <p>Parteneri: Universitatea de Nord Baia Mare, Universitatea din Oradea, Statiunea de Cercetari Agricole Livada Satu Mare</p> <p>Buget: Total 1.900.000 RON</p>
5	<p>Titlu proiect: <i>Monitorizarea actiunii microbiotei solului in vederea utilizarii ei in reabilitarea ecologica a iazurilor de decantare – AMSREI; Contract nr.: 31010/2007</i></p> <p>Coordonator: sef lucrari dr. Monica Marian - Universitatea de Nord Baia Mare</p> <p>Membri: Camelia Varga (Nicula), Leonard Mihaly Cozmuta, Anca Mihaly Cozmuta, Anca Peter, Vasile Oros, Mirela Coman, Mihalescu Lucia, Oana Rosca Mare, Flavia Maries, Codre Anca,</p> <p>Anul: 2007-2010</p> <p>Sursa de finantare: CNMP (PNCD 2)</p> <p>Parteneri: Universitatea de Nord Baia Mare, Universitatea din Oradea, Statiunea de Cercetari Agricole Livada Satu Mare</p> <p>Buget: Total 1.300.000 RON</p>
6	<p>Titlu proiectului: <i>Elaborarea hartilor de hazard si evaluarea calitatii mediului in arealele miniere din judetele Maramures si Satu Mare utilizand sistemele informationale geografice - SIG</i></p> <p>Coordonator consortiu: dr. Driga Basarab - IGAR</p> <p>Director de proiect UBM: prof.dr.ing. Anca Mihaly Cozmuta</p> <p>Membri: Leonard Mihaly Cozmuta, Camelia Varga (Nicula), Anca Peter, Vasile Viman, Denut Ioan, Bud Ioan, Spatar Cornel, Gheorghe Vatca</p> <p>Anul: 2005-2008</p> <p>Sursa de finantare: CNCSIS</p> <p>Parteneri: Institutul de Geografie al Academiei Romane, Institutul de Instrumentatie Analitica Cluj Napoca, Geoproiect Bucuresti, Universitatea de Nord Baia Mare, FSM Cluj Napoca</p> <p>Buget: Total 179.860 RON</p>
7	<p>Titlu proiect: <i>Aplicarea integrata a bazelor de date pentru adoptarea si restructurarea factorilor naturali si artificiali de protectie a mediului in Ferme Zootehnice-AIBD</i></p> <p>Director de proiect: prof.dr.ing. Anca Mihaly Cozmuta – Universitatea de Nord Baia Mare</p> <p>Membri: Leonard Mihaly Cozmuta, Camelia Varga (Nicula), Anca Mihaly Cozmuta, Oprea Gabriela, Vasile Viman, Gheorghe Vatca, Anca Peter, Flavia Maries, Ioana tascu, Corina Dragos, Florin Boltea</p> <p>Anul: 2005-2008</p>

	<p>Sursa de finantare: Ministerul Educatiei si Cercetarii prin Programul Cercetare de Excelenta - CALIST Parteneri: USAMV Cluj Napoca, Universitatea de Nord Baia Mare – Romania, Universitatea Gent Belgia, Academia de Stiinte Republica Moldova – Institutul de Zoologie Buget: Total 100.000 RON</p>
8	<p>Titlu proiect: Conexiuni la cercetarea europeana de excelenta in problematica de mediu - CONEEX, nr. 1560/2.09.2005 Director de proiect: prof.dr.Vasile Viman – Universitatea de Nord Baia Mare Membri: Anca Mihaly Cozmuta, Leonard Mihaly Cozmuta, Camelia Varga (Nicula), Oprea Gabriela, , Gheorghe Vatca, Anca Peter, Flavia Maries, etc... Anul: 2005-2007 Sursa de finantare: Ministerul Educatiei si Cercetarii prin Programul Cercetare de Excelenta - P-INT-VIZ Parteneri: UBM, ICIA-CENTI Cluj, INOE Bucuresti Buget: Total 200.000 RON</p>
9	<p>Titlul proiectului: <i>Materiale fotocatalitice inovative aplicate la decontaminarea chimica si microbiologica a aerului din incinte</i>, MATDECON-PN II 71-099/2007 Colectivul de cercetare: Virginia Danciu - director de proiect, Peter Anca, Cosoveanu Veronica si altii Anul: 2007-2010 Buget: Total: 840.400 RON Sursa de finantare: Ministerul Educatiei si Cercetarii prin Programul PN II.</p>
10	<p>Titlul proiectului: <i>Noi sisteme vitroase telurate si germanate cu aplicatii in telecomunicatii</i>, NOSIVTEL-PN II 71-099/2007 Colectivul de cercetare: Virginia Danciu - director de proiect, Peter Anca, Cosoveanu Veronica si altii Anul: 2007-2010 Buget: Total: 268.028 RON Sursa de finantare: Ministerul Educatiei si Cercetarii prin Programul PN II.</p>

7. Visibility

7.1. Citations

The screenshot shows a browser window displaying the Web of Science author profile for Peter, A. The browser address bar shows the URL: https://0710mbr8-y-https-www-webofscience-com.z-e-nformation.ro/wos/author/record/1326042.2386902.47848391. The page header includes the Clarivate logo and the Web of Science search bar. The main content area shows the author's name, affiliation (Technical University of Cluj Napoca), department (Dept Chem Biol), and location (BAIA MARE, ROMANIA). It also lists published names (Peter, Anca, Peter, A., Peter, Anjali), published organizations (Technical University of Cluj Napoca, Apex Univ, JECRC Univ), and subject categories (Food Science & Technology; Chemistry; Materials Science; Engineering; Physics). The Web of Science ResearcherID is BBD-4042-2021. On the right side, there is a 'Verify your Author Record' section and a 'Metrics' section showing 19 H-Index and 69 total documents.

<https://0710mbr8-y-https-www-webofscience-com.z-e-nformation.ro/wos/author/record/1326042.2386902.47848391>

7.2. Activity as reviewer

Selection of the journals

1	Clean Soil Air Water
2	African Journal of Agricultural Research
3	International Journal of Food Science & Technology
4	International Journal of Food Science & Technology
5	Journal of materials Science
6	International Journal of Applied Ceramic Technology
7	Material Letters
8	International Journal of Applied Ceramic Technology
9	International Journal of Food Science & Technology
10	Chemical Papers
11	CLEAN - Soil, Air, Water
12	Desalination and Water Treatment
13	NANO
14	Surface and Coatings Technology
15	ACS Applied Materials & Interfaces
16	Desalination and Water Treatment
17	Industrial & Engineering Chemistry Research
18	Main Group Chemistry
19	Nutrition and Food Science
20	Food and Nutritional Disorders - SciTechnol
21	Journal of Food Science
22	Desalination and water treatment
23	Environmental Science Nano
24	Journal of Photochemistry and Photobiology A Chemistry
25	Journal of Physics and Chemistry of Solids
26	Journal of Alloys and Compounds
27	Industrial Crops and Products
28	International Journal of Energy Research
29	Journal of Nanoscience and Nanotechnology
30	Journal of Alloys and Compounds
31	Molecules
32	CyTA Journal of Food
33	Hepatobiliary Pancreatic Disease International
34	Journal of Water Process Engineering
35	Journal of Alloys and Compounds
36	Nanomaterials
37	Polymers
38	RSC Advances
39	Journal of Alloys and Compounds
40	Nanomaterials
41	Journal of Alloys and Compounds
42	Materials Today Communications

13.11.2023

Prof.dr. Peter Anca