

Complete list of publications

Researcher: Fran Nekvapil, *Assistant Researcher*

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Main research area: Blue bioeconomy, sustainable technologies

Main expertise: Raman spectroscopy, marine biology, nanomaterials analysis

Until 26. December 2022

WoS: publications visible: 21, h-index: 6, total citations: 112

Contents:

A. Publications with peer review process

Research articles

Oral and poster presentations delivered at conferences, workshops, seminars

All conference contributions

B. Submitted publications with peer review process

Articles

Contributions to conference proceedings

A. Publications with peer review process

Research articles

No. ^a	ISI Ranking zone ^b	ISI zone colour code	Title	Authors, bibliographic information	Year	Impact factor ^c	AIS InCites JCR ^d
Principal author							
1	Q3	●	Characterization of the lattice transitions and impurities in manganese and zinc doped ferrite nanoparticles by Raman spectroscopy and x-ray diffraction (XRD)	Nekvapil, F. , Bortnic, R-A., Leoştean, C., Barbu-Tudoran, L., Bunge, A. <i>Analytical Letters</i> , published online 3. June 2022; free full-text link: https://www.tandfonline.com/eprint/WMVGKTQHU3NG4DVNI2H3/full?target=10.1080/00032719.2022.2083145	2022	2.329	0.251
2	Q2	●	A novel observation upon the near-resonant Raman excitation of zinc oxide nanoparticles: Widening of the E2(high) band	Nekvapil, F. , Stefan, M., Marica, I., Falamas, A. <i>J. Raman Spectrosc.</i> , early view, DOI: 10.1002/jrs.6323	2022	3.133	0.524
3	Q3	●	Resonance Raman and SERRS of fucoxanthin: Prospects for carotenoid quantification in live diatom cells	Nekvapil, F. , Brezestean, I., Firta, C., Cinta Pinzaru, S. <i>Journal of Molecular Structure</i> , 1250: 131608. DOI: 10.1016/j.molstruc.2021.131608	2022	3.196	0.293
4	q2	●	Wasted Biomaterials from Crustaceans as a Compliant Natural Product Regarding Microbiological, Antibacterial Properties and Heavy Metal Content for Reuse in Blue Bioeconomy: A Preliminary Study	Nekvapil, F. , Ganea, I-V, Ciorîță, A., Hirian, R., Ogresta, L., Glamuzina, B., Roba, C., Cinta Pinzaru, S. <i>Materials</i> 14(16): 4558 DOI: 10.3390/ma14164558	2021	3.62	0.597

5	Q2	●	A New Biofertilizer Formulation with Enriched Nutrients Content from Wasted Algal Biomass Extracts Incorporated in Biogenic Powders	Nekvapil, F. , Ganea, I-V., Ciorfă, A., Hirian, R., Tomšić, S., Martonos, I.M., Cintă Pinzaru, S. Sustainability 13(10): 8777 DOI: 10.3390/su13168777	2021	3.251	0.462
6	Q1	●	Single-cell Raman micro-spectroscopy for tracking of carotenoids in cyanobacteria exposed to Mn and Zn doped ferrite nanoparticles	Nekvapil, F. , Bunge, A., Barbu-Tudoran, L., Cintă Pinzaru, S. Spectrochim. Acta A 254: 119607, DOI: 10.1016/j.saa.2021.119607	2021	4.098	0.462
7*	Q1	●	Promoting hidden natural design templates in wasted shells of the mantis shrimp into valuable biogenic composite	Nekvapil, F. , Glamuzina, B., Barbu-Tudoran, L., Suci, M., Tamas, T., Cintă Pinzaru, S. Spectrochim. Acta A 250: 119223, DOI: 10.1016/j.saa.2020.119223	2021	4.098	0.462
8*	Q1	●	Color-specific porosity in double pigmented natural 3d-nanoarchitectures of blue crab shell	Nekvapil, F. , Cintă Pinzaru, S., Barbu-Tudoran, L., Suci, M., Tamas, T., Chis, V.; Sci. Rep. 10: 3019. DOI: 10.1038/s41598-020-60031-4	2020	4.379	1.285
9*	Q1	●	From Blue Bioeconomy toward Circular Economy through High-Sensitivity Analytical Research on Waste Blue Crab Shells	Nekvapil, F. , Aluas, M., Barbu-Tudoran, L., Suci, M., Bortnic, R-A, Glamuzina, B., Cintă Pinzaru, S.; ACS Sustainable Chem. Eng. 7: 16820-16827. DOI: 10.1021/acssuschemeng.9b04362	2019	7.632	1.300
10*	Q1	●	Citrus fruits freshness assessment using Raman spectroscopy	Nekvapil, F. , Brezestean, I., Barchewitz, D., Glamuzina, B., Chis, V., Cintă Pinzaru, S. Food Chemistry , 242: 560 – 567. DOI: 10.1016/j.foodchem.2017.09.105	2018	5.399	0.955
11*	Q2	●	Raman spectra tell us so much more: Raman features and saturation magnetization for efficient analysis of manganese zinc ferrite nanoparticles	Nekvapil, F. , Bunge, A., Radu, T., Cintă Pinzaru, S, Turcu, R.; J. Raman Spectrosc. 51(6): 959-968. DOI: 10.1002/jrs.5852	2020	3.133	0.526
12*	Q2	●	Microsphere packages of carotenoids: intact sea urchin eggs tracked by Paman spectroscopy tools	Nekvapil, F. , Brezeştean, I., Tomšić, S., Müller, Cs., Chiş, V., Cintă Pinzaru, S.; Photochem. Photobiol. Sci. 18: 1933-1944. DOI: 10.1039/c9pp00181f	2019	2.831	0.511
Co-author							
			The Influence of Zn Substitution on Physical Properties of CoFe ₂ O ₄ Nanoparticles	A. Szatmari, R. Bortnic, G. Souca, R. Hirian, L. Barbu-Tudoran, F. Nekvapil , C. Iacovita, E. Burzo, R. Dudric, R. Tetean Nanomaterials 13(1): 189. DOI: 10.3390/nano13010189	2023		
13			Surface enhanced fluorescence potential of ZnO nanoparticles and gold decorated ZnO nanostructures embedded in a polyvinyl alcohol matrix	A. Falamas, I. Marica, F. Nekvapil , M. Stefan, G.S. Macavei, L. Barbu-Tudoran, C. Farcau J. Photochem. Photobiol. A 438: 114516. DOI: 10.1016/j.jphotochem.2022.114516	2022		
13			Zinc-oxide nanostructures for fluorescence and Raman signal enhancement: a review	Marica, I., Nekvapil, F. , Ştefan, M., Farcau, C., Falamaş, A. Belstein J. Nanotechnol. 13: 472-490. DOI: 10.3762/bjnano.13.40	2022	3,649	0,615
14	Q1	●	Comparative screening the life-time composition and crystallinity variation in gilthead seabream otoliths Sparus aurata from different marine environments	Lazar, G., Nekvapil, F. , Matic-Skoko, S., Firta, C., Vrdoljak, D., Uvanović, H., Barbu-Tudoran, L., Suci, M., Glamuzina, L., Glamuzina, B., Cintă Pinzaru, S. Scientific reports , 12: 9584. DOI: 10.1038/s41598-022-13667-3	2022	4.380	1.285
15	Q1	●	Size-dependent spectroscopic insight into the steady-state and time-resolved optical properties of ZnO photocatalysts	Falamas, A., Marica, I., Popa, A., Toloman, D., Pruneanu, S., Pogacean, F, Nekvapil, F. , Silipas, T.D., Stefan, M. Materials Science in Semiconductor Processing , 145: 106644. DOI: 10.1016/j.mssp.2022.106644	2022	3.927	0.480
16	Q2		Rapid and Application-Tailored Assessment Tool	Ogresta, L., Nekvapil, F. , Tamaş, T., Barbu-Tudoran, L., Suci, M., Hirian, R.,	2021	3.512	0.631

			for Biogenic Powders from Crustacean Shell Waste: Fourier Transform-Infrared Spectroscopy Complemented with X-ray Diffraction, Scanning Electron Microscopy, and Nuclear Magnetic Resonance Spectroscopy	Aluș, M., Lazar, G., Levei, E., Glamuzina, G., Cintă Pinzaru, S. ACS Omega , 6(42): 27773-27780. DOI: 10.1021/acsomega.1c03279			
17	Q2		Novel Drug Carrier: 5-Fluorouracil Formulation in Nanoporous Bi-ogenic Mg-calcite from Blue Crab Shell—Proof of Concept	Lazar, G., Nekvapil, F. , Hirian, R., Glamuzina, B., Tamaș, T., Barbu-Tudoran, L., Cintă Pinzaru, S. ACS Omega , 6(42): 27781-27790. DOI: 10.1021/acsomega.1c03285	2021	3.512	0.631
18	Q2		Development and Characterization of Fe ₃ O ₄ @Carbon Nanoparticles and Their Biological Screening Related to Oral Administration	Pop, D., Buzatu, R., Moaca, E-A., Watz, C.G., Cintă Pinzaru, S., Barbu-Tudoran, L., Nekvapil, F. , Avram, S., Dehelean, C.A., Cretu, M.O., Nicolov, M., Szuhaneck, C., Jivanescu, A. Materials 14:3556, DOI: 10.3390/ma14133556	2021	3.62	0.597
19	Q2	●	Biocompatible Magnetic Colloidal Suspension Used as a Tool for Localized Hyperthermia in Human Breast Adenocarcinoma Cells: Physicochemical Analysis and Complex In Vitro Biological Profile	Moaca, M-A., Walz, C-G., Socoliuc, V., Racoviceanu, R., Facurariu, C., Ianos, R., Cintă Pinzaru, S., Barbu-Tudoran, L., Nekvapil, F. , Iuraciuc, S., Soica, C., Dehelean, C.A. Nanomaterials 11:1189, DOI: 10.3390/nano11051189	2021	5.076	0.759
20	Q2	●	Biogeochemical specificity of adjacent natural carbonated spring waters from Swiss Alps promptly revealed by SERS and Raman technology	Cintă Pinzaru, S., Ardeleanu, M., Brezestean, I., Nekvapil, F. , Venter, M.M.; Anal. Methods 11: 800 - 812. DOI: 10.1039/c8ay02580k	2019	2.596	0.414
21	Q3 and Q4	●	Tracking the growth rings in biogenic aragonite from fish otolith using confocal Raman microscopy and imaging	Lazar, G., Firta, C., Matic-Skoko, S., Peharda, M., Vrojčak, D., Uvanovic, H., Nekvapil, F. , Glamuzina, B., Cintă Pinzaru, S.; Studia UBB Chemia , 65(1): 125-136. DOI: 10.24193/subbchem.2020.1.10	2019	0.494	0.036
Non-ISI articles							
22*	non-ISI (BDI)		Exploring the biological protective role of carotenoids by Raman spectroscopy: mechanical stress of cells	Nekvapil, F. , Molnar Muller, Cs., Tomsic, S., Cintă Pinzaru, S.; Studia UBB Physica , 64(1--2): 75-82. DOI: 10.24193/subbphys.2019.08	2019	-	-

Publications indicated with "" arise from the doctoral research

^bISI ranking zone as of date of publication

^cImpact factor and Article Influence Score (AIS) for publications within the last 2 years are according to most recent available data from Clarivate Journals Citation Report, <https://jcr.clarivate.com/jcr/home>

Oral and poster presentations delivered at conferences, workshops, seminars (etc.)

- Advancing the frontiers in Raman spectroscopy in iron and zinc oxides analysis and signal interpretation
Nekvapil, F., seminar presentation at the National Institute for Research and Development of Isotopic and Molecular Technologies, 31. March 2022.
- Monitoring the carotenoid extraction process from crustacean shell waste using a portable Raman system
Nekvapil, F., oral presentation to the 20th Int. Symp. Life Sciences for Sustainable Development, Cluj-Napoca, 24. September 2021
- A comparative Raman spectroscopy and XRD assessment of lattice transitions and impurities in Mn and Zn doped ferrite nanoparticles

Nekvapil, F., poster presentation to the 13th Int. Conf. Processes in Isotopes and Molecules, Cluj-Napoca, 23. September 2021

4. *MARIFERT project summary – background, motivations and achievements*
Nekvapil, F., oral presentation to the workshop Blue bioeconomy approach to wasted marine biomass: innovative ideas, techniques and translational sciences, with participation of the company Metrohm Romania BW-TEK
Organized by RDI Laboratory of applied Raman spectroscopy and services towards the society, within the RDI Institute of Applied Natural Sciences – Babeş-Bolyai University, and the Institute “Ioan Ursu” of the Faculty of Physics
in Cluj-Napoca, 24. June 2021
5. *Alumni interview*
Nekvapil, F., invited talk (10 minutes, online) to the public promotion event of the University of Dubrovnik, session of the Applied Marine Ecology Department
19. May 2021
6. *Raman Spectroscopy Techniques and Applications to Carotenoids Research in Marine Living Resources and to the Blue Bioeconomy*
Nekvapil, F., Doctoral Thesis, Babeş-Bolyai University, Cluj-Napoca (Romania), 25 November 2020, Excellent grade, *Summa cum laude*
7. *Spectroscopy, diffraction and electron microscopy methods for characterization of ferrite nanoparticles for medical applications.*
Nekvapil, F., poster presentation to the NANOTEK - Nanomedicine Conference for Students.
17th October 2020
8. *New added-value by-products from biogenic waste for sustainable seafood industry and Blue bioeconomy.*
Nekvapil, F., oral presentation to the 19th Int. Conf. Life Sciences for Sustainable Development. 24th-25th September 2020. <https://symposium.usamvcluj.ro/>
9. *Raman spectroscopy analysis of metal-ferrite nanoparticles: towards precise interpretation and extraction of structural information,*
Nekvapil, F., oral presentation to the 12th International conference “Processes in Isotopes and Molecules, Cluj-Napoca (Romania), 25th -27th September 2019; <http://pim.itim-cj.ro>
10. *Hidden smart templates for blue bioeconomy: complex functional structures of marine invertebrates revealed by confocal Raman imaging,*
Nekvapil, F., poster presentation to the 16th Confocal Raman Imaging Symposium, Ulm (Germany), 23rd - 25th September 2019; <https://www.raman-symposium.com/>
11. *Rapid and cost effective tracking carotenoids in native sea urchin eggs by multi-laser Raman spectroscopy,*
Nekvapil, F., oral presentation to the 18th International conference Prospects for 3rd Millennium Agriculture, Cluj-Napoca (Romania), 27th - 29th September 2018.
<http://symposium2018.usamvcluj.ro/>
12. *Natural Biocomposite material with antioxidant properties and a source of valuable compounds: the cuticle of Squilla mantis shrimp,*
Nekvapil, F., poster presentation to the 5th International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, Brasov (Romania), 23th – 25th May 2018; <http://icanmbes.unitbv.ro/>
13. *Translation of SERS technique to hydrobiology: use of metallic plasmonic nanoparticles to quench fluorescence in Raman spectroscopy analysis of natural fluids,*
Nekvapil, F., oral presentation to the 5th International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, Brasov (Romania), 23th – 25th May 2018; <http://icanmbes.unitbv.ro/>

14. *Comparative Raman spectroscopy study of the coelomic fluid of grazing sea urchins and their native seawater: prospect for a potential indicator of environmental aggression*, **Nekvapil, F.**, oral presentation to the 10th Air and Water Components of the Environment International Conference, Sovata (Romania), 13th – 15th March 2018; <http://aerapa.conference.ubbcluj.ro/Engleza/index.htm>
15. *Are the market citrus fresh? Raman spectroscopy can promptly tell it*, **Nekvapil, F.**, oral presentation to the 16th International Symposium Prospects for the 3rd Millennium Agriculture, Cluj-Napoca (Romania), 28th – 30th September 2017; <http://symposium.usamvcluj.ro/>
16. *Natural nanoarchitecture of blue crab (*Callinectes sapidus* Rathbun, 1896) claw studied by Raman spectroscopy and Scanning electron microscopy*, **Nekvapil F.**, oral presentation to the 17th International Balkan Workshop on Applied Physics, Constanta (Romania), 11th – 14th July 2017; <http://ibwap.univ-ovidius.ro/2017/>
17. *Carotenoids assessment in aquatic macro- and microorganisms – with focus on the origin of blue colour of the Blue crab (*Callinectes sapidus*, Rathbun 1896)* **Nekvapil F.**, Seminar of the Department of Biomolecular Physics, Babes-Bolyai University, May 2017, http://phys.ubbcluj.ro/departamente/btsm/doc/fran_anunt.pdf
18. *Legislative provisions for control of spreading of the common slider, *Trachemys scripta* in Europe*, **Nekvapil, F.**, poster presentation to the FINS II – Freshwater Invasives – Networking for Strategy, Zagreb (Croatia), 11th – 14th July 2016; <http://finsconference.eu/>
19. *Study of pluripotency of the sea urchin *Paracentrotus lividus* (Lamarck, 1816.) blastomeres*, **Nekvapil F.**, oral presentation to the International Exploratory Workshop in cooperation with B&W tek „*Shedding Laser Light on the Adriatic Seawater Environment*”, October 23, 2015, University of Dubrovnik, Dubrovnik, Croatia; <http://www.unidu.hr/novost.php?idvijest=5607>

All conference contributions

Nr	Conference	Contribution	Organization (Book of Abstracts reference, if available)
1	14 th International Conference on Physics of Advanced Materials	Nekvapil, F. , Lazar, G., Hirian, R., Aluas, M., Suci, M., Barbu-Tudoran, L., Tomsic, S., Glamuzina, B., Cinta Pinzaru, S.	Physics of Advanced Materials Society (Iasi, Romania) + University of Dubrovnik (Croatia), 8.-15.9.2022 Dubrovnik (Croatia)
2	15 th International GeoRaman Conference	Nekvapil, F. , Lazar, G., Dumitru, D-A., Tomsic, S., Cinta Pinzaru, S. Valorisation prospects for waste biomineral from echinoderms probed by Raman spectroscopy techniques	Charles University, Faculty of Science, 29.8.2022-1.9.2022 Prague (Czech Republic), Book of Abstracts p. 20
3	20 th Int. Conf. Life Sciences for Sustainable Development	Nekvapil, F. , Bunea, A., Bunge, A., Cinta Pinzaru, S. Monitoring the carotenoid extraction process from crustacean shell waste using a portable Raman system	University of Agricultural Sciences and Veterinary Medicine (USAMV) of Cluj-Napoca; 23.-24. September 2021
4	13 th Int. Conf. Processes in Isotopes and Molecules	Nekvapil, F. , Bunge, A., Bortnic, R-A., Turcu, R. A comparative Raman spectroscopy and XRD assessment of lattice transitions and impurities in Mn and Zn doped ferrite nanoparticles	National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca (INCDTIM), 22.-25. September 2021
5	NANOTEK - Nanomedici	Nekvapil, F. , Bortnic, R-A., Cinta Pinzaru, S., Radu, T., Bunge, A., Turcu, R.	University of Medicine and Pharmacology (UMF) Cluj-Napoca; held online 17. 18. October 2020

	ne Conference for Students	Spectroscopy, diffraction and electron microscopy methods for characterization of ferrite nanoparticles for medical applications	
6	19 th Int. Conf. Life Sciences for Sustainable Development	Nekvapil, F. , Lazar, G., Hirian, R., Barbu-Tudoran, L., Suci, M., Tamas, T., Ganea, I.-V., Glamuzina, B., Cinta Pinzaru, S. New added-value by-products from biogenic waste for sustainable seafood industry and Blue bioeconomy	University of Agricultural Sciences and Veterinary Medicine (USAMV) of Cluj-Napoca; held online 24.-25. September 2020
7	19 th Int. Conf. Life Sciences for Sustainable Development	Lazar, G., Nekvapil, F. , Glamuzina, B., Cinta Pinzaru, S. New drug carrier from wasted biogenic carbonates	University of Agricultural Sciences and Veterinary medicine (USAMV) of Cluj-Napoca; held online 24.-25. September 2020
8	12 th International Conference Processes in Isotopes and Molecules	Nekvapil, F. , Bunge, A., Radu, T., Cinta Pinzaru, S., Turcu, R. Raman spectroscopy analysis of metal-ferrite nanoparticles: towards precise interpretation and extraction of structural information	National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, 25 th - 27 th September 2019 Book of Abstracts, p. 17 http://pim.itim-cj.ro/pages/programme.html
9	16 th Confocal Raman Imaging Symposium	Nekvapil, F. , Cinta Pinzaru, S., Glamuzina, B. Hidden smart templates for blue bioeconomy: complex functional structures of marine invertebrates revealed by confocal Raman imaging	WiTec GmbH, Ulm, 23 rd - 25 th September 2019 Book of Abstracts, p. 61 https://www.raman-symposium.com/assets/Uploads/Review2019/WITec-Abstract-Book-Symposium-2019-web.pdf
10	5 th International Sclerochronology Conference	Cinta Pinzaru, S., Matić-Skoko, S., Peharda, M., Vrdoljak, D., Uvanović, H., Firta, C., Lazar, G., Nekvapil, F. , Barbu-Tudoran, L., Suci, M., Glamuzina, B. Raman spectroscopy and imaging tools for correlative analyses in otoliths sclerochronology	Institute for Oceanography and Fisheries, Split, 2019 Book of Abstracts, p. 144 Peharda, M., Ezgeta-Balić, D., Uvanović, H. (Eds)
11	5 th International Sclerochronology Conference	Suci, M., Barbu-Tudoran, L., Nekvapil, F. , Cinta Pinzaru, S., Glamuzina, B. EDX in Bouligand pattern sclerochronology	Institute for Oceanography and Fisheries, Split, 2019 Book of Abstracts, p. 150 Peharda, M., Ezgeta-Balić, D., Uvanović, H. (Eds)
12		Nekvapil, F. , Brezeştean, I., Tomsic, S., Muller, Cs., Chis, V., Cinta Pinzaru, S. Rapid and cost effective tracking carotenoids in native sea urchin eggs by multi-laser Raman spectroscopy	Faculty of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, 27 th - 29 th September 2018 Book of Abstracts Vodnar, D.C. (ed.)
12	5 th Int. Conf. on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences	Nekvapil, F. , Brezeştean, I., Glamuzina, Tomsic, S., B., Barbu-Tudoran, L., Chis, V., Cinta Pinzaru, S. (2018) Natural Biocomposite material with antioxidant properties and a source of valuable compounds: the cuticle of <i>Squilla mantis</i> shrimp	Transilvania University Press, Brasov, 23 th – 25 th May 2018 Book of Abstracts, ISSN: 2360-3461 , ISSN-L: 2360-3461. p. 153 Florescu, M., Raicu, V., Turcu, I. (eds.) http://icanmbes.unitbv.ro/Astracts%20Book%20IC-ANMBES_2018_final.pdf
13	5 th Int. Conf. on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences	Nekvapil, F. , Brazestean, I., Tomsic, S., Cinta Pinzaru, S. (2018) Translation of SERS technique to hydrobiology: use of metallic plasmonic nanoparticles to quench fluorescence in Raman spectroscopy analysis of natural fluids	Transilvania University Press, Brasov, 23 th – 25 th May 2018 Book of Abstracts, ISSN: 2360-3461 , ISSN-L: 2360-3461. p. 60 Florescu, M., Raicu, V., Turcu, I. (eds.) http://icanmbes.unitbv.ro/Astracts%20Book%20IC-ANMBES_2018_final.pdf
14	Air and water components of the environment	Nekvapil, F. , Tomšić, S., Cinta Pinzaru, S. (2018) Comparative Raman spectroscopy study of the coelomic fluid of grazing sea urchins and their native seawater: prospect for a potential indicator of environmental aggression <u>in extenso proceeding, indexed ProQuest, Ebsco</u>	University Press, Cluj-Napoca 13 th – 15 th March 2018, ISSN: 2067-743. p. 27 – 34. Book of Abstracts Şerban, G., Băţinaş, R., Tudose, T., Horváth, Cs., Croitoru, A., Holobăcă, J. (eds.) SPECTROSCOPY_STUDY_OF_THE_COELOMIC_FLUID_OF_GRAZING_SEA_URCHINS_AND_THEIR_NATIVE_SEAWATER_PROSPECT_FOR_A_POTENTIAL_INDICATOR_OF_ENVIRONMENTAL_AGGRESSION
15	Air and water	Brezeştean, I., Nekvapil, F. , Cinta Pinzaru, S. Analysis of hypersaline waters from	University Press, Cluj-Napoca 13 th – 15 th March 2018, ISSN: 2067-743. p. 27 – 34.

	components of the environment	Cojocna balneary resorts (Romania) using Raman spectroscopy techniques <u>in extenso proceeding, indexed ProQuest, Ebsco</u>	Book of Abstracts Șerban, G., Băținaș, R., Tudose, T., Horváth, Cs., Croitoru, A., Holobacă, J. (eds.) SPECTROSCOPY_STUDY_OF_THE_COELOMIC_FLUID_OF_GRAZING_SEA_URCHINS_AND_THEIR_NATIVE_SEAWATER_PROSPECT_FOR_A_POTENTIAL_INDICATOR_OF_ENVIRONMENTAL_AGGRESSION
16		Nekvapil, F. , Brezestean, I., Barchewitz, D., Glamuzina, B., Chis, V., Cintă Pinzaru, S., Andronie, L. Are the market citrus fresh? Raman spectroscopy can promptly tell it	Faculty of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, 28th – 30th September 2017, ISSN: 2392-6937, ISSN-L: 2392-6937 Book of Abstracts no. 4/2017, p. 230 Vodnar, D.C. (ed.)
17		Cintă Pinzaru, Nekvapil, F. , Ljubimir, S., Tomšić, S., Glamuzina, B., Brezestean, I., Venter, M.M., Andronie, L.M., Barbu-Tudoran, L., Suci, M., Chis, V. Fucoxanthin distribution in single pennate diatom cell in vivo and cell reaction under aggression	Veterinary Medicine of Cluj-Napoca, 28th – 30th September 2017, ISSN: 2392-6937, ISSN-L: 2392-6937 Book of Abstracts no. 4/2017, p. 231 Vodnar, D.C. (ed.)
18		Firta, C., Nekvapil, F. , Brezestean, I., Cintă Pinzaru, S. Aquarium biofilm inhibition in the presence of AgNPs deposited on soda lime silica glass	Veterinary Medicine of Cluj-Napoca, 28th – 30th September 2017, ISSN: 2392-6937, ISSN-L: 2392-6937 Book of Abstracts no. 4/2017, p. 225 Vodnar, D.C. (ed.)
19		Andronie, L., Mireașan, V., Pop, I., Rotaru, A., Coroian, A., Nekvapil, F. , Cintă Pinzaru, S. Comparative citric acid (E330) analysis in citrus fruits using FT-IR and Raman spectroscopy.	30th September 2017, ISSN: 2392-6937, ISSN-L: 2392-6937 Book of Abstracts no. 4/2017, p. 484 Vodnar, D.C. (ed.)
20		Nekvapil, F. , Tomšić, S., Glamuzina, B., Barbu-Tudoran, L., Brezestean, I., Cintă Pinzaru, S., Natural nanoarchitecture of blue crab (<i>Callinectes sapidus</i> Rathbun, 1896) claw studied by Raman spectroscopy and Scanning electron microscopy	University of Ovidius Press, 11th – 14th July 2017, ISSN 2501-9050, ISSN-L 2501-9058 Conference Proceedings Issue 17/2017p. 146 – 147.; Vladoiu, R., Mandes, A., Dinca Balan, V. (eds.) http://ibwap.univ-ovidius.ro/2017/uploads/template/Book_of_abstracts_IBWAP2017.pdf
21		Nekvapil, F. Legislative provisions for control of spreading of the common slider, <i>Trachemys scripta</i> in Europe	University of Zagreb, Faculty of Agriculture, Zagreb, Croatia, 11th – 14th July 2016 Book of abstracts., p. 39 – 40 Piria, M. (ed.).

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