

OHLASY NA PUBLIKAČNÚ ČINNOSŤ

doc. Ruslan Mariychuk, CSc.

- 1 Attempt of identification of superconducting phase (102 K) in $\text{CdBa}_2\text{Can-1CunOx}$ samples / R.T. Mariychuk, P.P. Popovich, V.V. Bunda ... [et al.].
In: Bulgarian journal of physics. - Vol. 27, no. S2 (1310-0157), s. 33-36.
[MARIYCHUK, Ruslan - POPOVYČ, J.J. - BUNDA, V.V. - MÉSZÁROS, S. - SEMRAD, E.E.]
[1] TERANISHI, S., NISHIGUCHI, K., KUSAKABE, K. 2021. Material optimization of potential high-T-c superconducting single-layer cuprates. In *Journal of the Physical Society of Japan*, ISSN 0031-9015. 2021, roč. 90, č. 5, art. no. 054705. SCOPUS; WOS:000648576300005.
- 2 Application of microextraction techniques for indirect spectrophotometric determination of fluorides in river waters [print, elektronický dokument] / aut. Oksana Sukhareva, aut. Ruslan Mariychuk, aut. Sergii Sukharev, aut. Svitlana Delean-kokaiko, aut. Stanislav Kushtan.
In: Journal of Environmental Management [print, elektronický dokument]. - ISSN 0301-4797. - ISSN 1095-8630. - č. 280 (2021), s. 1-7.
Doi: 10.1016/j.jenvman.2020.111702
FHPV-21 6/21
[SUKHAREVA, Oksana (30%) - MARIYCHUK, Ruslan (30%) - SUKHAREV, Sergii (20%) - DELEGAN-KOKAIKO, Svitlana (10%) - KUSHTAN, Stanislav (10%)]
[1] QIN, Yuqing, FAHEEM, Aroosha, HU, Yonggang 2021. A spore-based portable kit for on-site detection of fluoride ions. In *Journal of Hazardous Materials : print, elektronický dokument*, ISSN 0304-3894; 1873-3336. 2021, č. 419. SCO.
[1] ZHANG, YP., QU, Yi., ZHANG, Yo. et al. 2022. Development of a fluorescent strategy for quantification of fluoride ions in foods and toothpaste. In *Chemical engineering journal*, ISSN 1385-8947. 2022, č. 448, art. no. 137631. SCOPUS; WOS:000833423900004.
[1] KUMAR, S., MAJI, S., SUNDARARAJAN, K. 2022. Method to eliminate the fluoride interference in the spectrophotometric estimation of zirconium: application to U-Zr alloys. In *Applied spectroscopy*, ISSN 0003-7028. 2022, roč. 76, č. 6, s. 635-643. SCOPUS; WOS:000784210900001.
[1] MARIAM, A.G., DIRO, A., ASERE, T.G. et al. 2022. Spectroscopic determination of fluoride using Eriochrome Black T (EBT) as a spectrophotometric reagent from groundwater. In *International journal of analytical chemistry*, ISSN 1687-8760. 2022, art. no. 2045491. SCOPUS; WOS:000741080600001 .
- 3 Barothermal preparation and characterization of micro-mesoporous activated carbons : textural studies, thermal destruction and evolved gas analysis with TG-TPD-IR technique / Vitaliy E. Diyuk, Ruslan T. Mariychuk, Vladyslav V. Lisnyak.
In: Journal of thermal analysis and calorimetry [elektronický zdroj]. - ISSN 1572-8943. - Vol. 124, no. 2 (2016), online, s. 1119-1130. - Popis urobený 9.6.2016.
Plný text: <http://link.springer.com/article/10.1007/s10973-015-5208-6>
FHPV 18/16
[DIYUK, Vitaliy E. (30%) - MARIYCHUK, Ruslan (40%) - LISNYAK, Vladyslav V. (30%)]
[1] SKUBISZEWSKA-ZIEBA, J., CHARMAS, B., KOLTOWSKI, M. et al. 2017. Active carbons from waste biochars: Structural and thermal properties. In *Journal of thermal analysis and calorimetry*, ISSN 1388-6150. 2017, vol. 130, no. 1, s. 15-24.
[1] FEKETE, F., LÁZÁR, K., KESZLER, A.M. et al. 2018. Recycling the industrial waste ZnFe_2O_4 from hot-dip galvanization sludge. In *Journal of thermal analysis and calorimetry*, ISSN 1388-6150. 2018, vol. 134, no. 3, s. 1863-1872.

- [1] KURC, B., LIJEWSKI, P., RYMANIAK, L. et al. 2020. High-energy solid fuel obtained from carbonized rice starch. In *Energies*, ISSN 1996-1073. 2020, vol. 13, no. 15, art no. 4096.
- [1] VOTTERO, E., CAROSSO, M., PELLEGRINI, R. et al. 2022. Assessing the functional groups in activated carbons through a multi-technique approach. In *Catalysis science & technology*, ISSN 2044-4753. 2022, roč. 12, č. 4, s. 1271-1288. SCOPUS; WOS:000742410400001.
- [1] DERYLO-MARCZEWSKA, A., STERNIK, D., SWIATKOWSKI, A. et al. 2022. Adsorption of phenol from aqueous and cyclohexane solutions on activated carbons with differentiated surface chemistry. In *Thermochimica Acta*, ISSN 0040-6031. 2022, roč. 715, art. no. 179299. SCOPUS;WOS:000888752700003.
- 4** Benchmark of different charges for prediction of the partitioning coefficient through the hydrophilic/lipophilic index [print, elektronický dokument] / Oksana Fizer, Maksym Fizer, Vasyl Sidey ... [et al.].
In: Journal of Molecular Modeling [print, elektronický dokument] : Computational Chemistry : Life Science : Advanced Materials : New Methods. - ISSN 1610-2940. - ISSN 0948-5023. - Roč. 24, č. 6 (2018), s. 1-12.
Doi: 10.1007/s00894-018-3692-x
FHPV 67/18
[FIZER, Oksana (20%) - FIZER, Maksym (20%) - SIDEY, Vasyl (20%) - STUDENYAK, Yaroslav (20%) - MARIYCHUK, Ruslan (20%)]
- [1] LIMA, Nathalia B.D., ROCHA, Gerd B., FREIRE, Ricardo O. et al. 2019. RM1 semiempirical model: Chemistry, pharmaceutical research, molecular biology and materials science. In *Journal of the Brazilian Chemical Society : print*, ISSN 0103-5053; 1678-4790. 2019, Roč. 30, č. 4, 683-716.
- [1] PUJAL, L., VAN ZYL, M., VOEHRINGER-MARTINEZ, E. et al. 2022. Constrained iterative Hirshfeld charges: A variational approach. In *Journal of chemical physics*, ISSN 0021-9606. 2022, roč. 156, č. 19, art. no. 194109. SCOPUS; WOS:000798560600001.
- [1] ZHU, Q., JIA, Q., LIU, Z. et al. 2022. Molecular partition coefficient from machine learning with polarization and entropy embedded atom-centered symmetry functions. In *Physical chemistry chemical physics*, ISSN 1463-9076. 2022, roč. 24, č. 38, s. 23082-23088. SCOPUS;WOS:000857472400001.
- 5** Cetylpyridinium picrate: Spectroscopy, conductivity and DFT investigation of the structure of a new ionic liquid [print, elektronický dokument] / Maksym Fizer ... [et al.].
In: Journal of Molecular Structure [print, elektronický dokument]. - ISSN 0022-2860. - ISSN 1872-8014. - č. 1229 (2021), s. 1-11.
Doi: 10.1016/j.molstruc.2020.129803
FHPV-21 5/21
[FIZER, Maksym (20%) - FILEP, Michael (20%) - FIZER, Oksana (20%) - FRIČOVÁ, Oľga (20%) - MARIYCHUK, Ruslan (20%)]
- [1] DAMODARAN, Krishnan 2022. Recent advances in NMR spectroscopy of ionic liquids. In *Progress in nuclear magnetic resonance spectroscopy*, ISSN 0079-6565. 2022, č. 129, s. 1-27. SCOPUS; WOS:000784303000001.

- 6 Effect of ultrasonic treatment on the thermal oxidation of detonation nanodiamonds [print, elektronický dokument] / aut. Galyna G. Tsapyuk, aut. Vitaliy E. Diyuk, aut. Ruslan Mariychuk, aut. Anna N. Panova, aut. Olga B. Loginov, aut. Liudmyla M. Grishchenko, aut. Alla G. Dyachenko, aut. Rostyslav P. Linnik, aut. Alexander N. Zaderko, aut. Vladyslav Lisnyak.
In: Applied Nanoscience [print, elektronický dokument]. - ISSN 2190-5509. - ISSN 2190-5517. - Roč. 10, č. 12 (2020), s. 4991-5001.
Doi: 10.1007/s13204-020-01277-2
FHPV-20 149/20
[TSAPYUK, Galyna G. (10%) - DIYUK, Vitaliy E. (10%) - MARIYCHUK, Ruslan (10%) - PANOVA, Anna N. (10%) - LOGINOV, Olga B. (10%) - GRISHCHENKO, Liudmyla M. (10%) - DYACHENKO, Alla G. (10%) - LINNIK, Rostyslav P. (10%) - ZADERKO, Alexander N. (10%) - LISNYAK, Vladyslav (10%)]
[1] GLOWACKI, M.J., FICEK, M., SAWCZAK, M. et al. 2022. Fluorescence of nanodiamond cocktails: pH-induced effects through interactions with comestible liquids. In *Food chemistry*, ISSN 0308-8146. 2022, č. 381, art. no. 132206. SCOPUS; WOS:000819839200004.
- 7 Experimental and theoretical study on cetylpyridinium dipicrylamide - A promising ion-exchanger for cetylpyridinium selective electrodes [print, elektronický dokument] / aut. Maksym Fizer, aut. Oksana Fizer, aut. Vasyl Sidey, aut. Ruslan Mariychuk, aut. Yaroslav Studenyak.
In: Journal of Molecular Structure [print, elektronický dokument]. - ISSN 0022-2860. - ISSN 1872-8014. - č. 1187 (2019), s. 77-85.
Doi: 10.1016/j.molstruc.2019.03.067
FHPV-19 114/19
[FIZER, Maksym (20%) - FIZER, Oksana (20%) - SIDEY, Vasyl (20%) - MARIYCHUK, Ruslan (20%) - STUDENYAK, Yaroslav (20%)]
[1] ULUDAG, Nesimi, SERDAROGLU, Goncagül 2020. New route for synthesis of 2-(2,2-dimethoxyethyl)-1,2,3,4,5,6-hexahydro-1,5-methanoazocino[4,3-b]indole and DFT investigation. In *Heliyon : elektronický dokument*, ISSN 2405-8440. 2020, Roč. 6, č. 6. SCO ; WOS CC.
[1] ULUDAG, Nesimi, SERDAROGLU, Goncagül, COLAK, Naki 2019. An efficient method for the azocino[4,3-b]indole framework of strychnos alkaloids: OFT investigations on the electronic and spectroscopic properties. In *Journal of the Indian Chemical Society : print*, ISSN 0019-4522. 2019, Roč. 96, č. 9, s. 1221-1226. CCC ; WOS CC.
[1] SAKAČ, N., MARKOVIĆ, D., ŠARKANJ, B. et al. 2021. Direct potentiometric study of cationic and nonionic surfactants in disinfectants and personal care products by new surfactant sensor based on 1,3-dihexadecyl-1H-benzo[d]imidazol-3-ium. In *Molecules : elektronický dokument*, ISSN 1420-3049. 2021, Roč. 26, č. 5. CCC ; SCO ; WOS CC.
[1] SAMARDŽIĆ, M., BUDETIĆ, M., SZÉCHENYI, A. et al. 2021. The novel anionic surfactant selective sensors based on newly synthesized quaternary ammonium salts as ionophores. In *Sensors and Actuators B: Chemical : print, elektronický dokument*, ISSN 0925-4005; 1873-3077. 2021, Roč. 343.
[1] SERDAROGLU, G., ULUDAG, N. 2021. Structural, electronic, and spectroscopic study on 1,5-methanoazocino[4,3-b]indole synthesized by TFB-based route. In *Chemical Papers : print, elektronický dokument*, ISSN 0366-6352; 0322-8614; 0037-6906; 2585-7290; 1336-9075. 2021, Roč. 75, č. 9, s. 4549-4564. CCC ; SCO ; WOS CC.
[1] SAKAČ, Nikola, MADUNIĆ-ČAČIĆ, Dubravka, KARNAŠ, Maja et al. 2021. The influence of plasticizers on the response characteristics of the surfactant sensor for cationic surfactant determination in disinfectants and antiseptics. In *Sensors : print, elektronický dokument*, ISSN 1424-8220; 1424-3210. 2021, Roč. 21, č. 10. SCO.
[1] LENIK, J., LYSZCZEK, R. 2022. A potentiometric sensor for ketoprofen based on a beta-cyclodextrin derivative. In *Journal of analytical chemistry*, ISSN 1061-9348. 2022, roč. 77, č. 2, sp.i. s. 246-256. SCOPUS; WOS:000764994400011.

- [1] SAKAČ, N., MADUNIĆ-ČAČIĆ, D., MARKOVIĆ, D. et al. 2022. Potentiometric surfactant sensor for anionic surfactants based on 1,3-dioctadecyl-1H-imidazol-3-ium tetraphenylborate. In *Chemosensors*, ISSN 2227-9040. 2022, roč. 10, č. 12, art. no. 523. SCOPUS;WOS:000902328700001.
- [1] SAKAČ, N., MADUNIĆ-ČAČIĆ, D., MARKOVIĆ, D. et al. 2022. The 1,3-dioctadecyl-1H-imidazol-3-ium based potentiometric surfactant sensor for detecting cationic surfactants in commercial products. In *Sensors*, ISSN 1424-8220. 2022, roč. 22, č. 23, art. no. 9141. SCOPUS;WOS:000897306200001.
- 8** Fast determination of total aldehydes in rainwaters in the presence of interfering compounds [print, elektronický dokument] / aut. Sergii Sukharev, aut. Ruslan Mariychuk, aut. Mikhajlo Onysko, aut. Oksana Sukhareva, aut. Svitlana Delegan-kokaiko.
In: *Environmental Chemistry Letters* [print, elektronický dokument]. - ISSN 1610-3653. - ISSN 1610-3661. - Roč. 17, č. 3 (2019), s. 1405-1411.
Doi: 10.1007/s10311-019-00875-z
FHPV-19 115/19
[SUKHAREV, Sergii (20%) - MARIYCHUK, Ruslan (20%) - ONYSKO, Mikhajlo (20%) - SUKHAREVA, Oksana (20%) - DELEGAN-KOKAIKO, Svitlana (20%)]
- [1] SONG, Yuting, DU, Bofeng, DING, Zhuhong et al. 2020. Baked red pepper (*Capsicum annuum* L.) powder flavor analysis and evaluation under different exogenous Maillard reaction treatment. In *LWT Food Science and Technology : print, elektronický dokument*, ISSN 0023-6438; 1096-1127. 2020.
- [1] CHEN, Yuyu, XU, Haishan, DING, Shenghua et al. 2020. Changes in volatile compounds of fermented minced pepper during natural and inoculated fermentation process based on headspace–gas chromatography–ion mobility spectrometry. In *Food Science and Nutrition : elektronický dokument*, ISSN 2048-7177. 2020, Roč. 8, č. 7, s. 3362-3379.
- [1] FANG, Siyang, LIU, Yang-Yang, HE, Jiahua et al. 2020. Determination of aldehydes in water samples by coupling magnetism-reinforced molecular imprinting monolith microextraction and non-aqueous capillary electrophoresis. In *Journal of Chromatography A : print, elektronický dokument*, ISSN 0021-9673; 1873-3778. 2020, Roč. 1632, s. 61602-61602.
- [1] HE, J., LIU, J., LIU, Y. et al. 2021. Trace carbonyl analysis in water samples by integrating magnetic molecular imprinting and capillary electrophoresis. In *RSC Advances : elektronický dokument*, ISSN 2046-2069. 2021, Roč. 11, č. 52, s. 32841-32851.
- 9** Fluoroalkylated nanoporous carbons: Testing as a supercapacitor electrode [print] / Alexander N. Zaderko ... [et al.].
In: *Applied Surface Science* [print, elektronický dokument] : a journal devoted to applied physics and chemistry of surfaces and interfaces. - ISSN 0169-4332. - ISSN 1873-5584. - č. 470 (2019), s. 882-892.
Doi: 10.1016/j.apsusc.2018.11.141
FHPV-19 116/19
[ZADERKO, Alexander N. (11%) - SHVETS, Roman Ya (11%) - GRYGORCHAK, Ivan I. (11%) - AFONIN, Sergii (11%) - DIYUK, Vitaliy E. (11%) - MARIYCHUK, Ruslan (11%) - BOLDYRIEVA, Olha (11%) - KAŇUCHOVÁ, Mária (11%) - LISNYAK, Vladyslav (12%)]
- [1] YANG, Zhengchun, XIE, Liqiang, CHEN, Yantao et al. 2019. Effective boron doping in three-dimensional nitrogen-containing carbon foam with mesoporous structure for enhanced all-solid-state supercapacitor performance. In *Applied Surface Science : print, elektronický dokument*, ISSN 0169-4332; 1873-5584. 2019, č. 493, 1205-1214.
- [1] MA, Tianjiao, ZHANG, Mingmei, LIU, Hong et al. 2019. Three-dimensional sulfur-doped graphene supported cobalt-molybdenum bimetallic sulfides nanocrystal with highly interfacial storage capability for supercapacitor electrodes. In *Electrochimica Acta : print, elektronický dokument*, ISSN 0013-4686; 1873-3859. 2019, č. 322. WOS CC.

- [1] WANG, Chunzheng, JIA, Yingshuai, ZHANG, Zhiqiang et al. 2019. Role of PdCx species in Pd@PdCx/AlOOH/Al-fiber catalyst for the CO oxidative coupling to dimethyl oxalate. In *Applied Surface Science : print, elektronický dokument*, ISSN 0169-4332; 1873-5584. 2019, č. 478, 840-845.
- [1] LIU, Yanfei, LI, Jinjin, CHEN, Xinchun et al. 2019. Fluorinated graphene: a promising macroscale solid lubricant under various environments. In *ACS Applied Materials & Interfaces : print, elektronický dokument*, ISSN 1944-8244; 1944-8252. 2019, Roč. 11, č. 43, s. 40470-40480.
- [1] FENG, Long, YANG, Wenxiu, HOU, Yimiao et al. 2021. Alkyne Semihydrogenation over Pd Nanoparticles Embedded in N,S-Doped Carbon Nanosheets. In *ACS Applied Nano Materials : elektronický dokument*, ISSN 2574-0970. 2021, Roč. 4, č. 9, 9052-9059.
- [1] LIU, B., CAO, Z., YANG, Z. et al. 2022. Flexible micro-supercapacitors fabricated from MnO2 nanosheet/graphene composites with black phosphorus additive. In *Progress in natural science-materials international*, ISSN 1002-0071. 2022, roč. 32, č. 1, s. 10-19. SCOPUS; WOS:000760759400002.
- 10** Functionalization of activated carbon surface with sulfonated styrene as a facile route for solid acids preparation / Vitaliy E. Diyuk, Ruslan T. Mariychuk, Vladyslav V. Lisnyak.
In: Materials chemistry and physics. - ISSN 0254-0584. - Vol. 184 (2016), s. 138-145.
FHPV 211/16
[DIYUK, Vitaliy E. (33%) - MARIYCHUK, Ruslan (33%) - LISNYAK, Vladyslav V. (34%)]
- [1] BABU, C.M., BINNEMANS, K., ROOSEN, J. 2018. Ethylenediaminetriacetic acid-functionalized activated carbon for the adsorption of rare earths from aqueous solutions. In *Industrial and engineering chemistry research*, ISSN 0888-5885. 2018, vol. 57, no. 5, s. 1487-1497.
- [1] NAHAVANDI, M., KASANNENI, T., YUAN, Z.S. et al. 2019. Efficient conversion of glucose into 5-Hydroxymethylfurfural using a sulfonated carbon-based solid acid catalyst: an experimental and numerical study. In *ACS Sustainable chemistry and engineering*, ISSN 2168-0485. 2019, vol. 7, no. 14, s. 11970-11984.
- [1] AYADI, M., AWAD, S., VILLOT, A. et al. 2021. Heterogeneous acid catalyst preparation from olive pomace and its use for olive pomace oil esterification. In *Renewable energy*, ISSN 0960-1481. 2021, vol. 165, s. 1-13.
- [1] CHAVAN, P.P., SAPNER, V.S., MUNDE, A.V. et al. 2021. Synthesis of metal-free nanoporous carbon with few-layer graphene electrocatalyst for electrochemical NO2-oxidation. In *ChemistrySelect*, ISSN 2365-6549. 2021, vol. 6, no. 37, s. 9847-9852.
- [1] CHARMAS, B., SYDORCHUK, V., KHALAMEIDA, S. et al. 2021. Synthesis, physicochemical properties and photocatalytic activity of Cu-containing activated carbons prepared from sulfo-resins under visible irradiation. In *Applied surface science*, ISSN 0169-4332. 2021, vol. 568, art. no. 150865, s. [1].
- 11** Green synthesis and characterization of gold triangular nanoprisms using extract of *Juniperus communis* L. [print, elektronický dokument] / aut. Ruslan Mariychuk, aut. Jozef Fejér, aut. Janka Porubská, aut. Liudmyla M. Grishchenko, aut. Vladyslav Lisnyak.
In: Applied Nanoscience [print, elektronický dokument]. - ISSN 2190-5509. - ISSN 2190-5517. - Roč. 10, č. 8 (2020), s. 2835-2841.
Doi: 10.1007/s13204-019-00990-x
FHPV-20 136/20
[MARIYCHUK, Ruslan (50%) - FEJÉR, Jozef (15%) - PORUBSKÁ, Janka (15%) - GRISHCHENKO, Liudmyla M. (10%) - LISNYAK, Vladyslav (10%)]

- [1] SINGH, Manoj, RENU, KUMAR, Vikas et al. 2021. Biomimetic synthesis of silver nanoparticles from aqueous extract of saraca indica and its profound antibacterial activity. In *Biointerface research in applied chemistry : elektronický dokument*, ISSN 2069-5837. 2021, Roč. 11, č. 1, 8110-8120.
 - [1] BHARDWAJ, Kanchan, DHANJAL, Daljeet Singh, SHARMA, Anirudh et al. 2020. Conifer-derived metallic nanoparticles: green synthesis and biological applications. In *International journal of molecular sciences : print, elektronický dokument*, ISSN 1422-0067; 1661-6596. 2020, Roč. 21, č. 23, s. 1-22. CCC ; SCO ; WOS CC.
 - [3] SINGH, Manoj, MANIKANDAN, Subramanian, YADAV, Mukesh et al. 2020. Bio-functionalized gold nanoparticles: a potent probe for profound antibacterial efficiency through drug delivery system. In *Asian journal of biological and life sciences : print, elektronický dokument*, ISSN 2278-5957; 2278-747X. 2020, Roč. 9, č. 2, s. 139-144. Dostupný na internete <<https://www.ajbls.com/article/2020/9/2/139-144>>
 - [1] AHMAD, T., IQBAL, J., BUSTAM, M.A. et al. 2021. A critical review on phytosynthesis of gold nanoparticles: issues, challenges and future perspectives. In *Journal of Cleaner Production : print, elektronický dokument*, ISSN 0959-6526; 1879-1786. 2021, Roč. 309.
 - [1] HOSNY, M., FAWZY, M., EL-BORADY, O.M. et al. 2021. Comparative study between Phragmites australis root and rhizome extracts for mediating gold nanoparticles synthesis and their medical and environmental applications. In *Advanced Powder Technology : print, elektronický dokument*, ISSN 0921-8831; 1568-5527. 2021, Roč. 32, č. 7, s. 2268-2279.
 - [1] VEERAMANI, S., NARAYANAN, A.P., YUVARAJ, K. et al. 2022. Nigella sativa flavonoids surface coated gold NPs (Au-NPs) enhancing antioxidant and anti-diabetic activity. In *Process biochemistry*, ISSN 1359-5113. 2022, č. 114, s. 193-202. SCOPUS; WOS:000783196000002.
 - [1] HOSNY, M., FAWZY, M., ABDELFAH, A.M. et al. 2021. Comparative study on the potentialities of two halophytic species in the green synthesis of gold nanoparticles and their anticancer, antioxidant and catalytic efficiencies. In *Advanced powder technologz*, ISSN 0921-8831. 2021, roč. 32, č. 9, s. 3220-3233. SCOPUS; WOS:000691799400005.
 - [1] HOSNY, M., FAWZY, M., EL-FAKHARANY, E.M. et al. 2022. Biogenic synthesis, characterization, antimicrobial, antioxidant, antidiabetic, and catalytic applications of platinum nanoparticles synthesized from Polygonum salicifolium leaves. In *Journal of environmental chemical engineering*, ISSN 2213-3437. 2022, roč. 10, č. 1, art. no. 106806. SCOPUS; WOS:000752033400002.
 - [1] GURROLA-RIOS, J.A., CUEVAS-RODRÍGUEZ, E.O., REYNOSO-SOTO, E.A. et al. 2022. Green synthesis and characterization of gold nanoparticles using anthocyanins from Rubus palmeri. In *Journal of berry research*, ISSN 1878-5093. 2022, roč. 12, č. 3, s. 433-443. SCOPUS;WOS:000853217400008.
- 12** Green synthesis of non-spherical gold nanoparticles using Solidago canadensis L. extract [print, elektronický dokument] / aut. Ruslan Mariychuk, aut. Daniela Gruľová, aut. Liudmyla M. Grishchenko, aut. Rostyslav P. Linnik, aut. Vladyslav Lisnyak.
In: Applied Nanoscience [print, elektronický dokument]. - ISSN 2190-5509. - ISSN 2190-5517. - Roč. 10, č. 12 (2020), s. 4817-4826.
Doi: 10.1007/s13204-020-01406-x
- FHPV-20 160/20
- [MARIYCHUK, Ruslan (50%) - GRUĽOVÁ, Daniela (20%) - GRISHCHENKO, Liudmyla M. (10%) - LINNIK, Rostyslav P. (10%) - LISNYAK, Vladyslav (10%)]
- [3] SHAMELI, K., AID, S.R., JONNY, N.F.A. et al. 2021. Green synthesis of gold nanoparticles based on plant extract for nanofluid-based hybrid photovoltaic system application. In *Journal of research in nanoscience and nanotechnology*, ISSN 2773-6180. 2021, roč. 4, č. 1, s. 33.

- [1] MALYUSHEVSKAYA, A., KOSZELNIK, P., YUSHCHISHINA, A. et al. 2022. Green approach to intensify the extraction processes of substances from plant materials. In *Journal of ecological engineering*, ISSN 2299-8993. 2022, roč. 23, č. 7, s. 197-204. SCOPUS; WOS:000814791200005.
- [1] TIMOSZYK, A., GROCHOWALSKA, R. 2022. Mechanism and antibacterial activity of gold nanoparticles (AuNPs) functionalized with natural compounds from plants. In *Pharmaceutics*, ISSN 1999-4923. 2022, roč. 14, č. 12, art. no. 2599. WOS:000902790100001.
- 13** Green synthesis of stable nanocolloids of monodisperse silver and gold nanoparticles using natural polyphenols from fruits of *Sambucus nigra* L [print, elektronický dokument] / aut. Ruslan Mariychuk, aut. Janka Porubská, aut. Marek Ostafin, aut. Mária Čaplovičová, aut. Adriana Eliašová.
In: *Applied Nanoscience* [print, elektronický dokument]. - ISSN 2190-5509. - ISSN 2190-5517. - Roč. 10, č. 12 (2020), s. 4545-4558.
Doi: 10.1007/s13204-020-01324-y
FHPV-20 148/20
[MARIYCHUK, Ruslan (30%) - PORUBSKÁ, Janka (40%) - OSTAFIN, Marek (5%) - ČAPLOVIČOVÁ, Mária (5%) - ELIAŠOVÁ, Adriana (20%)]
- [1] REYES-BECERRIL, Martha, RUVALCABA, Fernando, SANCHEZ, Veronica et al. 2021. Green synthesis of gold nanoparticles using *Turnera diffusa* Willd enhanced antimicrobial properties and immune response in Longfin yellowtail leukocytes. In *AQUACULTURE RESEARCH : print, elektronický dokument*, ISSN 1355-557X; 1365-2109. 2021, Roč. 52, č. 7, 3391-3402.
- [1] GIRIDASAPPA, Amulya, ISMAIL, Shareef M., RANGAPPA, Dinesh et al. 2021. Antioxidant, antiproliferative and antihemolytic properties of phytofabricated silver nanoparticles using *Simarouba glauca* and *Celastrus paniculatus* extracts. In *Applied Nanoscience : print, elektronický dokument*, ISSN 2190-5509; 2190-5517. 2021, Roč. 11, č. 10, 2561-2576.
- [1] SUKWEENADHI, Johan, SETIAWAN, Kezia Irianti, AVANTI, Christina et al. 2021. Scale-up of green synthesis and characterization of silver nanoparticles using ethanol extract of *Plantago major* L. leaf and its antibacterial potential. In *South African journal of chemical engineering : print, elektronický dokument*, ISSN 1026-9185; 2589-0344. 2021, Roč. 38, 1-8.
- [1] MORAES, Leonardo C., FIGUEIREDO, Rute C., RIBEIRO-ANDRADE, Rodrigo et al. 2021. High diversity of microalgae as a tool for the synthesis of different silver nanoparticles: a species-specific green synthesis. In *Colloid and interface science communications : elektronický dokument*, ISSN 2215-0382. 2021, Roč. 42.
- [3] SHAMELI, K., AID, S.R., JONNY, N.F.A. et al. 2021. Green synthesis of gold nanoparticles based on plant extract for nanofluid-based hybrid photovoltaic system application. In *Journal of research in nanoscience and nanotechnology*, ISSN 2773-6180. 2021, roč. 4, č. 1, s. 33.
- [1] MALYUSHEVSKAYA, A., KOSZELNIK, P., YUSHCHISHINA, A. et al. 2022. Green approach to intensify the extraction processes of substances from plant materials. In *Journal of ecological engineering*, ISSN 2299-8993. 2022, roč. 23, č. 7, s. 197-204. SCOPUS; WOS:000814791200005.
- [1] MADIMA, N., MISHRA, S.B., MISHRA, A.K. 2022. Nanotechnology and green materials: Introduction, fundamentals, and applications. In *Green functionalized nanomaterials for environmental applications*. Amsterdam : Elsevier, 2022, s. 3-19. ISBN 978-0-12-823137-1. SCOPUS.
- [1] DASH, S.S., SEN, I.K., DASH, S.K. 2022. A review on the plant extract mediated green syntheses of gold nanoparticles and its anti-microbial, anti-cancer and catalytic applications. In *Interantional nano letters*, ISSN 2008-9295. 2022, roč. 12, č. 1, s. 47-66. WOS:000721408400002.

- [1] ZHU, X., LI, W., SHAO, H. et al. 2022. Selected aspects of invasive *Solidago canadensis* with an emphasis on its allelopathic abilities: a review. In *Chemistry and biodiversity*, ISSN 1612-1872. 2022, roč. 19, č. 10, art. no. e202200728. SCOPUS;WOS:000859918600001.
- 14 In vitro study of biological activities of anthocyanin-rich berry extracts on porcine intestinal epithelial cells / Petra Kšonžeková, Ruslan Mariychuk, Adriana Eliašová ... [et al.]. In: Journal of the science of food and agriculture [elektronický zdroj]. - ISSN 1097-0010. - Vol. 96, no. 4 (2016), online, s. 1093-1100. - Popis urobený 9.6.2016.
Plný text: <http://onlinelibrary.wiley.com/doi/10.1002/jsfa.7181/pdf>
FHPV 16/16
- [KŠONŽEKOVÁ, Petra (25%) - MARIYCHUK, Ruslan (15%) - ELIAŠOVÁ, Adriana (15%) - MUDROŇOVÁ, Dagmar (15%) - CSANK, Tomáš (5%) - KIRÁLY, Ján (5%) - MARCINČÁKOVÁ, Dana (5%) - PISTL, Juraj (5%) - TKÁČIKOVÁ, Ľudmila (10%)]
- [1] BABOU, L., HADIDI, L., GROSSO, C. et al. 2016. Study of phenolic composition and antioxidant activity of myrtle leaves and fruits as a function of maturation. In *European food research and technology*, ISSN 1438-2377. 2016, vol. 242, no. 9, s. 1447-1457.
- [1] LÓPEZ-PADILLA, A., RUIZ-RODRIGUEZ, A., FLÓREZ, C.E.R. et al. 2016. Vaccinium meridionale Swartz supercritical CO₂ extraction: Effect of process conditions and scaling up. In *Materials*, ISSN 1996-1944. 2016, vol. 9, no. 7.
- [1] HARIRI, B.M., PAYNE, S.J., CHEN, B. et al. 2016. In vitro effects of anthocyanidins on sinonasal epithelial nitric oxide production and bacterial physiology. In *American journal of rhinology and allergy*, ISSN 1945-8924. 2016, vol. 30, no. 4, s. 261-268.
- [3] JONES, Ken 2016. *Black elderberry monograph: medicinal research review of Sambucus Nigra L.* Pennsauken : BookBaby, 2016. ISBN 978-1-4835855-3-6.
- [3] BASRI SAVAS, H., TÜRKKAN, A., YAVUZ, B. 2016 [cit. 2017-01-31]. Vaccinium myrtillus'un deneysel diyabetik sican modelinde antioksidan sistem ve lipid peroksidasyonu üzerine etkileri. In *International Journal of Basic and Clinical Medicine [online]*, ISSN 2148-0613. 2016 [cit. 2017-01-31], vol. 4, no. 2. Dostupný na internete <<http://dergipark.ulakbim.gov.tr/ijbcm/article/view/5000155197>>
- [1] DEBOM, G., GAZAL, M., SOARES, M.S.P. et al. 2016. Preventive effects of blueberry extract on behavioral and biochemical dysfunctions in rats submitted to a model of manic behavior induced by ketamine. In *Brain Research Bulletin*, ISSN 0361-9230. 2016, vol. 127, s. 260-269.
- [1] XIANG, Y., ZHAO, R.-X., LAI, F.-N. et al. 2016. Components of flavonoids and antioxidant activity analysis of the extracts from red-flesh apple peel. In *Zhiwu shengli xuebao/Plant physiology journal*, ISSN 2095-1108. 2016, vol. 52, no. 9, s. 1353-1360.
- [3] RADOJČIĆ REDOVNIKOVIC, I., CVJETKO BUBALO, M., GAURINA SRNČEK, V. et al. 2016 [cit. 2017-05-23]. Primjena kultura stanica za određivanje biološke aktivnosti spojeva iz biljaka. In *Hrvatski časopis za prehrambenu tehnologiju, biotehnologiju i nutricionizam [online]*. 2016 [cit. 2017-05-23], vol. 11, no. 3-4, s. 174. Dostupný na internete <<http://hrcak.srce.hr/177252>>
- [1] SANGIOVANNI, E., FUMAGALLI, M., DELL'AGLI, M. 2017. Berries: Gastrointestinal protection against oxidative stress and inflammation. In *Gastrointestinal tissue: Oxidative stress and dietary antioxidants*. Amsterdam; Oxford : Elsevier, 2017, s. 243-258. ISBN 978-012809300-9.
- [1] COMUNIAN, T.A., RAVANFAR, R., ALCALINE, S.D. 2018. Water-in-oil-in-water emulsion obtained by glass microfluidic device for protection and heat-triggered release of natural pigments. In *Food research international*, ISSN 0963-9969. 2018, vol. 106, s. 945-951.
- [4] MARTIN, J., KUSKOSKI, E.M., NAVAS, M.J. et al. 2017 [cit. 2018-06-21]. Antioxidant capacity of anthocyanin pigments. In *Flavonoids [online]*. Rijeka : InTech, 2017 [cit. 2018-06-21], s. 239. ISBN 978-953-51-3424-4. Dostupný na internete <<https://www.intechopen.com/books/flavonoids-from-biosynthesis-to-human-health/antioxidant-capacity-of-anthocyanin-pigments>>

- [1] STRUGALA, P., LOI, S., BAZANÓW, B. et al. 2018. A Comprehensive study on the biological activity of elderberry extract and cyanidin 3-o-glucoside and their interactions with membranes and human serum albumin. In *Molecules*, ISSN 1420-3049. 2018, vol. 23, no. 10, art. no. 2566.
 - [1] OLAS, B. 2018. Berry phenolic antioxidants - implications for human health?. In *Frontiers in pharmacology*, ISSN 1663-9812. 2018, vol. 9, art. no. 78.
 - [1] LÓPEZ-PADILLA, A., MARTÍN, D., VILLANUEVA BERMEJO, D. et al. 2018. Vaccinium meridionale Swartz extracts and their addition in beef burgers as antioxidant ingredient. In *Journal of the science of food and agriculture*, ISSN 0022-5142. 2018, vol. 98, no. 1, s. 377-383.
 - [1] ROZYLO, R., WOJCIK, M., DZIKI, D. et al. 2019. Freeze-dried elderberry and chokeberry as natural colorants for gluten-free wafer sheets. In *International agrophysics*, ISSN 0236-8722. 2019, vol. 33, no. 2, s. 217-225.
 - [1] TENA, N., MARTÍN, J., ASUERO, A.G. 2020. State of the art of anthocyanins: Antioxidant activity, sources, bioavailability, and therapeutic effect in human health. In *Antioxidants*, ISSN 2076-3921. 2020, vol. 9, no. 5.
 - [1] RAGAČ, O., PORÁČOVÁ, J., VAŠKOVÁ, J. et al. 2019. Analysis of anthocyanin content of vaccinium corymbosum, vitis vinifera and aronia melanocarpa from East Slovakia. In *Chemicke listy*, ISSN 0009-2770. 2019, vol. 113, no. 12, s. 738-744.
 - [1] ARRUDA, H.S., SILVA, E.K., ARAUJO, N.M.P. et al. 2021. Anthocyanins recovered from agri-food by-products using innovative processes: Trends, challenges, and perspectives for their application in food systems. In *Molecules*, ISSN 1420-3049. 2021, roč. 26, č. 9.
 - [1] KOZŁOWSKA, A., DZIERZANOWSKI, T. 2021. Targeting inflammation by anthocyanins as the novel therapeutic potential for chronic diseases: An update. In *Molecules*, ISSN 1420-3049. 2021, roč. 26, č. 14, s. [14].
 - [1] PLATONOVA, E.Y., SHAPOSHNIKOV, M.V., LEE, H.Y. et al. 2021. Black chokeberry (Aronia melanocarpa) extracts in terms of geroprotector criteria. In *Trends in food science and technology*, ISSN 0924-2244. 2021, roč. 114, s. 570-584.
 - [1] DINI, I. 2021. Bio discarded from waste to resource. In *Foods*, ISSN 2304-8158. 2021, vol. 10, no. 11, s. [1].
 - [1] LUO, Q., LI, JX., LI, H. et al. 2022 [cit. 2022-09-06]. The effects of purple corn pigment on growth performance, blood biochemical indices, meat quality, muscle amino acids, and fatty acids of growing chickens. In *Foods [online]*, ISSN 2304-8158. 2022 [cit. 2022-09-06], roč. 11, 4. 13, art. no. 1870. SCOPUS; WOS:000822118600001. Dostupný na internete <<https://www.mdpi.com/2304-8158/11/13/1870/htm>>
 - [1] YANG, W., GUO, Y., LIU, M. et al. 2022. Structure and function of blueberry anthocyanins: A review of recent advances. In *Journal of functional foods*, ISSN 1756-4646. 2022, č. 88, art. no. 104864. SCOPUS; WOS:000772359200008.
 - [1] FELGUS-LAVEFVE, L., HOWARD, L., ADAMS, S.H. et al. 2022. The effects of blueberry phytochemicals on cell models of inflammation and oxidative stress. In *Advances in nutrition*, ISSN 2161-8313. 2022, roč. 13, č. 4, s. 1279-1309. SCOPUS; WOS:000768348800001.
- 15** Melt synthesis and characterization of synthetic Mn-Rich tainiolite / Alexander Baumgartner, Christian Butterhof, Sebastian Koch ... [et al.].
In: Clays and clay minerals [elektronický zdroj]. - ISSN 1552-8367. - Vol. 57, no. 2 (2009), s. 271-277.
Plný text: <http://ccm.geoscienceworld.org/content/by/year/2009>
FHPV 503/09
[BAUMGARTNER, Alexander - BUTTERHOF, Christian - KOCH, Sebastian - MARIYCHUK, Ruslan - BREU, Josef]

- [1] LEPORE, G.O., BINDI, L., ZANETTI, A. et al. 2015. Balestraitite, $\text{KLi}_2\text{VSi}_4\text{O}_{10}\text{O}_2$, the first member of the mica group with octahedral V^{5+} . In *American mineralogist*, ISSN 0003-004X. 2015, vol. 100, no. 2-3, s. 613.
- 16** Modeling of copper ions adsorption onto oxidative-modified activated carbons / L.M. Grishchenko, V.E.Diyuk, O.P. Konoplińska ... [et al.].
In: Adsorption science & technology. - ISSN 0263-6174. - Vol. 35, no. 9-10 (2017), s. 884-900.
FHPV 142/17
[GRISHCHENKO, L. M. (20%) - DIYUK, Vitaliy E. (20%) - KONOPLITSKA, O. P. (20%) - LISNYAK, Vladyslav V. (20%) - MARIYCHUK, Ruslan (20%)]
- [1] FRONCZAK, M., DEMBY, K., STRACHOWSKI, P. et al. 2018. Graphitic carbon nitride doped with the s-block metals: adsorbent for the removal of methyl blue and Copper(II) ions. In *Langmuir*, ISSN 0743-7463. 2018, vol. 34, no. 25, s. 7272-7283.
- [1] FRONCZAK, M., KOWALIK, M., BYSTRZEJEWSKI, M. 2018. Carbon Fibers Obtained from flax and their adsorption performance in the removal of Cu(II) and Co(II) from aqueous solutions. In *ChemistrySelect*, ISSN 2365-6549. 2018, vol. 3, no. 28, s. 8259-8269.
- 17** Preparation of bithiourea and 5-Amino-4-benzoyl-1,2,4-triazol-3-thione complexes of Copper (II), Nickel and Zinc and their biological evolution / Maksym Fizer, Sergij Sukharev, Mikhailo Slivka ... [et al.].
In: Journal of organometallic chemistry [elektronický zdroj]. - ISSN 1872-8561. - Vol. 804 (2016), online, s. 6-12. - Popis urobený 9.6.2016.
Plný text: <http://www.sciencedirect.com/science/article/pii/S0022328X15302382>
FHPV 19/16
[FIZER, Maksym (30%) - SUKHAREV, Sergij (5%) - SLIVKA, Mikhailo (30%) - MARIYCHUK, Ruslan (30%) - LENDEL, Vasil (5%)]
- [3] HARZADIN, M.A., BERBER, H., DEMIR, T.A. 2016 [cit. 2017-03-01]. Diyabet, kolesterol ve tansiyon sinfina ait bazı ilaçların üçlü ilaç etkileşimlerinin semi-empirik yöntemler ile olarak incelenmesi. In *Anadolu University Journal of Science and Technology [online]*, ISSN 2146-0191. 2016 [cit. 2017-03-01], vol. 4, no. 2, s. 72. Dostupný na internete <<http://anadolu.dergipark.gov.tr/download/article-file/229218>>
- [1] BINZET, G., GUMUS, I., DOGEN, A. et al. 2018. Nickel(II) and copper(II) complexes of N,N-dialkyl-N'-3-chlorobenzoylthiourea: Synthesis, characterization, crystal structures, hirshfeld surfaces and antimicrobial activity. In *Journal of molecular structure*, ISSN 0022-2860. 2018, vol. 1161, s. 519-529.
- [1] HOU, X., WANG, F., HAN, L. et al. 2018. Self-assembly of discrete copper(I)-halide complexes with diacylthioureas. In *Zeitschrift für anorganische und allgemeine Chemie*, ISSN 0044-2313. 2018, vol. 644, no. 3, s. 142-148.
- [1] ZAYED, E.M., ZAYED, M.A., ABD EL SALAM, H.A. et al. 2018. Synthesis, structural characterization, density functional theory (B3LYP) calculations, thermal behaviour, docking and antimicrobial activity of 4-amino-5-(heptadec-8-en-1-yl)-4H-1,2,4-triazole-3-thiol and its metal chelates. In *Applied organometallic chemistry*, ISSN 0268-2605. 2018, vol. 32, no. 12, art. no. e4535.
- [1] ZAYED, E.M., ZAYED, M.A., HINDY, A.M.M. et al. 2018. Coordination behaviour and biological activity studies involving theoretical docking of bis-Schiff base ligand and some of its transition metal complexes. In *Applied organometallic chemistry*, ISSN 0268-2605. 2018, vol. 32, no. 12, art. no. e4603.
- [1] ZAYED, E.M., ZAYED, M.A., ABD EL SALAM, H.A. et al. 2019. Novel Triazole Thiole ligand and some of its metal chelates: Synthesis, structure characterization, thermal behavior in comparison with computational calculations and biological activities. In *Computational biology and chemistry*, ISSN 1476-9271. 2019, vol. 78, s. 260-272.

- [1] ALY, A.A., BRÄSE, S., WEIS, P. 2019. Tridentate and bidentate copper complexes of [2.2]paracyclophanyl-substituted thiosemicarbazones, thiocarbazonas, hydrazones and thioureas. In *Journal of molecular structure*, ISSN 0022-2860. 2019, vol. 1178, s. 311-326.
 - [1] MOHAPATRA, R.K., DAS, P.K., PRADHAN, M.K. et al. 2019. Recent advances in urea- and thiourea-based metal complexes: biological, sensor, optical, and corrosion inhibition studies. In *Comments on inorganic chemistry*, ISSN 0260-3594. 2019, vol. 39, no. 3, s. 127-187.
 - [1] ABD EL SALAM, H.A., ZAYED, E.M., ZAYED, M.A. et al. 2018. Synthesis, structural characterization, thermal behaviour and antimicrobial activity of copper, Cadmium and zinc chelates of triazole-thiole ligand in comparison with theoretical molecular orbital calculations. In *Egyptian journal chemistry*, ISSN 0449-2285. 2018, vol. 62, s. 145-163.
 - [1] RAJESWARI, P.S., NAGARAJAN, R., P, S.K. et al. 2021. Synthesis of new copper catalyst with pyrazole based tridentate ligand and study of its activity for azide alkyne coupling. In *Journal of organometallic chemistry*, ISSN 0022-328X. 2021, vol. 931, art. no. 121627, s. [1].
 - [1] BEHESHTI, A., NOZARIAN, K., MOUSAVIFARD, E.S. et al. 2021. Design and construction of the imidazole-2-thione-based copper(I) complexes by varying the co-anion and synthesis conditions and verifying their antimicrobial activity. In *Journal of solid state chemistry*, ISSN 0022-4596. 2021, vol. 294, s. [1].
 - [1] LI, Y., JI, X., WU, S. 2021. Synthesis, DNA binding, apoptosis and molecular docking of a Mn(II) complex constructed by 2-(1,2,4-Triazol-1-yl)-4-picolinic acid. In *Inorganic chemistry communications*, ISSN 1387-7003. 2021, vol. 133, s. [1].
 - [1] ZHANG, Z., SUN, Q., LIU, S. et al. 2021. The selective flotation separation of galena from sphalerite with a novel collector of 5-amyl-1, 2, 4-triazole-3-thione. In *Journal of molecular liquids*, ISSN 0167-7322. 2021, vol. 332, s. [1].
 - [1] LI, Y., TIAN, X., ZHANG, J. et al. 2021. High-efficiency fluorescent probe constructed by Cd(II) complex for detecting nitro compounds and antibiotics. In *Applied organometallic chemistry*, ISSN 0268-2605. 2021, vol. 35, no. 12.
- 18** Surface reactivity of nanoporous carbons: preparation and physicochemical characterization of sulfonated activated carbon fibers [print, elektronický dokument] / aut. Liudmyla M. Grishchenko, aut. Vitaliy E. Diyuk, aut. Ruslan Mariychuk, aut. Anna V. Vakaliuk, aut. Valentina Z. Radkevich, aut. Siarhei G. Khaminets, aut. Oleksandr, V. Mischanchuk, aut. Vladyslav Lisnyak. In: *Applied Nanoscience* [print, elektronický dokument]. - ISSN 2190-5509. - ISSN 2190-5517. - Roč. 10, č. 8 (2020), s. 2923-2939. Doi: 10.1007/s13204-019-01069-3
- FHPV-20 135/20
- [GRISHCHENKO, Liudmyla M. (10%) - DIYUK, Vitaliy E. (20%) - MARIYCHUK, Ruslan (20%) - VAKALIUK, Anna V. (10%) - RADKEVICH, Valentina Z. (5%) - KHAMINET, Siarhei G. (10%) - MISCHANCHUK, Oleksandr, V. (5%) - LISNYAK, Vladyslav (20%)]
- [1] ZHAO, Bincheng, GAO, Hui, LI, Sanbao et al. 2020. Surface modification of carbon fiber by electro-polymerization: continuous production, thickness control, colorization, and preparation of CFRP. In *ACS Applied Polymer Materials : elektronický dokument*, ISSN 2637-6105. 2020, Roč. 2, č. 7, 2594-2601.
 - [1] ZAINOL, M.M., ASMADI, M., AMIN, N.A.S. 2022. Bio-fuel additive synthesized from levulinic acid using ionic liquid-furfural based carbon catalyst: Kinetic, thermodynamic and mechanism studies. In *Chemical engineering science*, ISSN 0009-2509. 2022, 4. 247, art. no. 117079. SCOPUS; WOS:000703511800016.
- 19** Synthesis and transport properties of prospective photovoltaic systems related to CuInSe(2) and CuGaSe(2) / V.V. Lysnyak, N.V. Stus, Ruslan Mariychuk. In: *Solar energy materials and solar cells*. - ISSN 0927-0248. - Vol. 76, no. 4 (2003), s. 553-562. FHPV 670/03
- [LISNYAK, Vladyslav V. - STUS, N.V. - MARIYCHUK, Ruslan]

- [1] WASIM, S.M., MARIN, G., RINCON, C. et al. 2015. Effect of localized modes in the optical absorption spectra of CuGaSe₂ and CuGa₃Se₅. In *Superlattices and microstructures*, ISSN 0749-6036. 2015, vol. 85, s. 835-841.
- [1] SHABAN, H.T., MOBARAK, M., NASSARY, M.M. 2007. Characterization of CuInSe₂ single crystal. In *Physica B: condensed matter*, ISSN 0921-4526. 2007, vol. 389, no. 2, s. 351-354.
- [1] CHEN, Y., ZHUANG, X., ZHANG, W. et al. 2007. Synthesis and characterization of phthalocyanine-based soluble light-harvesting CIGS complex. In *Chemistry of materials*, ISSN 0897-4756. 2007, vol. 19, no. 22, s. 5256-5261.
- [1] LIN, Y., CHEN, Y., FENG, M. et al. 2008. One-pot synthesis of soluble nanoscale CIGS photoactive functional materials. In *Nanoscale research letters*, ISSN 1556-276X. 2008, vol. 3, no. 1, s. 21-24.
- [1] PARASYUK, O.V., OLEKSEYUK, I.D., ZAREMBA, V.I. et al. 2006. The reciprocal CuInS₂+2CdSe \rightleftharpoons CuInSe₂+2CdS system-Part II: Liquid-solid equilibria in the system. In *Journal of solid state chemistry*, ISSN 1095-726X. 2006, vol. 179, no. 10, s. 2998-3009.
- 20** Synthesis, structure, and electric conductivity of ferrous tainiolite and its oxidative conversion into coarse-grained swellable smectite / R. Mariychuk, A. Mariychuk, F.E. Wagner ... [et al.]. In: Chemistry of materials. - ISSN 0897-4756. - Vol. 19, no. 22 (2007), s. 5377-5387.
FHPV 460/07
- [MARIYCHUK, Ruslan - BAUMGARTNER, Alexander - WAGNER, F.E. - LERF, A. - DUBBE, A. - MOOS, R. - BREU, Josef]
- [1] LEPORE, G.O., BINDI, L., ZANETTI, A. et al. 2015. Balestraitite, KLi₂VSi₄O₁₀O₂, the first member of the mica group with octahedral V⁵⁺. In *American mineralogist*, ISSN 0003-004X. 2015, vol. 100, no. 2-3, s. 614.
- [1] ZHOU, S., HOWARD, E.S., LIU, J. et al. 2017. Hydrothermal preparation, crystal chemistry, and redox properties of iron muscovite clay. In *ACS Applied materials and interfaces*, ISSN 1944-8244. 2017, vol. 9, no. 39, s. 34024-34032.
- [1] OKADA, T., OGAWA, M. 2017. Inorganic-organic interactions. In *Inorganic nanosheets and nanosheet-based materials*. Tokyo : Springer, 2017, s. 185. ISBN 978-4-431-56494-2.
- [1] OKADA, T., OGAWA, M. 2017. Adsorbents derived from layered solids. In *Inorganic nanosheets and nanosheet-based materials*. Tokyo : Springer, 2017, s. 298. ISBN 978-4-431-56494-2.
- [1] PERDIGÓN, A.C., PESQUERA, C., COTA, A. et al. 2018. Heteroatom framework distribution and layer charge of sodium taeniolite. In *Applied clay science*, ISSN 0169-1317. 2018, vol. 158, s. 246-251.
- [1] LIU, C.-S., HU, M., ZHANG, Q. et al. 2010. Synthesis, crystal structure, and magnetic properties of one Copper(II) complex based on mixed Xanthene-9-carboxylate and 2,2'-bipyridine ligands. In *Synthesis and reactivity in inorganic, metal-organic and nano-metal chemistry*, ISSN 1553-3182. 2010, vol. 40, no. 8, s. 503-509.
- 21** XRD, NMR, FT-IR and DFT structural characterization of a novel organic-inorganic hybrid perovskite-type hexabromotellurate material [print, elektronický dokument] / aut. Maksym Fizer, aut. Mikhailo Slivka, aut. Vasyl Sidey, aut. Vyacheslav Baumer, aut. Ruslan Mariychuk. In: Journal of Molecular Structure [print, elektronický dokument]. - ISSN 0022-2860. - ISSN 1872-8014. - č. 1235 (2021), s. 1-11.
Doi: 10.1016/j.molstruc.2021.130227
FHPV-21 177/21
- [FIZER, Maksym (20%) - SLIVKA, Mikhailo (20%) - SIDEY, Vasyl (20%) - BAUMER, Vyacheslav (20%) - MARIYCHUK, Ruslan (20%)]

- [1] CLARA, H., PRASANA, J., JONATHAN, D.R. et al. 2022. Structural elucidation, growth and characterization of (e)-2-(4-dimethylamino) benzyldine-3, 4-dihyronaphthalen-1(2h)-one single crystal for nonlinear optical applications. In *Journal of molecular structure*, ISSN 0022-2860. 2022, č. 1261, art. no. 132942. SCOPUS; WOS:000799210500012.
- [1] RAMAN, A.P.S., JAIN, P., KUMAR, A. et al. 2022. Investigate oxoazolidine-2,4-dione based eutectic mixture via DFT calculations and SAR. In *Journal of the Indian society*, ISSN 0019-4522. 2022, roč. 99, č. 8, art. no. 100570. SCOPUS; WOS:000814763600001.
- [1] JASINSKI, Radomír 2022. Stepwise, zwitterionic course of hetero-Diels-Alder reaction between 1,2,4-triazine molecular systems and 2-cyclopropylidene-1,3-dimethylimidazoline. In *Chemistry of heterocyclic compounds*, ISSN 0009-3122. 2022, roč. 58, č. 4-5, s. 260-262. SCOPUS; WOS:000800076900004.
- [1] CHEN, L., REN, J.T., YUAN, Z.Y. 2022. Identifying the dominant effect of electron-feeding on molybdenum phosphonates to decipher the activity origin for oxidative desulfurization of fuel. In *Chemical engineering journal*, ISSN 1385-8947. 2022, č. 450, art. no. 138330. SCOPUS.
- 22** N-allyl-N-benzoyl-bisthiourea as N,O,S-atom containing ligand for determination of bi(III) / Maksym Fizer, Ruslan Mariychuk, Oksana Fizer ... [et al.].
In: *Óbuda University e-Bulletin [elektronický zdroj]*. - ISSN 2062-2872. - Vol. 5, no. 1 (2015), online, s. 59-69. - Popis urobený 17.2.2016.
Plný text: http://uni-obuda.hu/e-bulletin/Fizer_Mariychuk_Fizer_Slivka_Lendel_6.pdf
FHPV 295/15
[FIZER, Maksym (20%) - MARIYCHUK, Ruslan (20%) - FIZER, Oksana (20%) - SLIVKA, Mikhailo (20%) - LENDEL, Vasil (20%)]
- [1] DAWOOD, Kamal M. 2019. Bis-thiourea derivatives and their utility in synthesis of mono-heterocyclic, bis-heterocyclic, and fused heterocyclic systems. In *Journal of heterocyclic chemistry*, ISSN 0022-152X. 2019, vol. 56, no. 6, s. 1701-1721.
- 23** Some Diptera newly recorded from Ukraine / Jozef Oboňa, Libor Dvořák, Peter Manko ... [et al.].
In: *Acta Musei Silesiae, Scientiae Naturales [elektronický zdroj]*. - ISSN 2336-3207. - Vol. 66, no. 1 (2017), online, s. 41-48. - Popis urobený 19.5.2017.
Plný text:
<https://www.degruyter.com/downloadpdf/j/cszma.2017.66.issue-1/cszma-2017-0006/cszma-2017-0006.pdf>
FHPV 15/17
[OBOŇA, Jozef (18%) - DVOŘÁK, Libor (16%) - MANKO, Peter (17%) - MARIYCHUK, Ruslan (17%) - STARÝ, Jaroslav (16%) - TKOČ, Michal (16%)]
- [3] HAENNI, J.-P., RAMEL, G. 2017 [cit. 2017-06-23]. The Bibionidae (Diptera) from the Kerkini area (Macedonia, Northern Greece). In *Parnassiana [online]*, ISSN 2241-7842. 2017 [cit. 2017-06-23], no. 5, s. 43. Dostupný na internete
<<http://wildgreeceeditions.com/images/PA%205%2035-44%20Bibionidae.pdf>>
- [3] MEDEROS, J., GAGO, S., EIROA, E. 2018. Primera cita de Tricyphona (Tricyphona) contraria Bergroth, 1888 (Diptera: Pediciidae) para la Península Ibérica y otros registros interesantes de Tipuloidea capturados en cuevas de Cataluña (España). In *Butlletí de la Institució Catalana d' Història Natural*, ISSN 1133-6889. 2018, no. 82, s. 96.

- 24** Some insects from beer traps in Westernmost Ukraine [elektronický dokument] / aut. Libor Dvořák, aut. Jean-Paul Haenni, aut. K. Dvořáková, aut. E.P. Kameneva, aut. Ruslan Mariychuk, aut. Peter Manko, aut. Jozef Oboňa, aut. V.A. Korneyev.
In: *Ukrainska entomofaunistyka* [elektronický dokument]. - ISSN 2078-9653. - Roč. 10, č. 2 (2019), s. 1-6.
Plný text: <https://sites.google.com/site/ukrentfau/contents-1>
FHPV-19 274/19
[DVOŘÁK, Libor (12%) - HAENNI, Jean-Paul (12%) - DVOŘÁKOVÁ, K. (12%) - KAMENEVA, E.P. (12%) - MARIYCHUK, Ruslan (14%) - MANKO, Peter (13%) - OBOŇA, Jozef (13%) - KORNEYEV, V.A. (12%)]
- [3] PINTILIOAIE, Alexandru-Mihai, MANCI, Cosmin-Ovidiu 2020. First record of the peacock fly *Callopistromyia annulipes* (Diptera: Ulidiidae) in Romania. In *Travaux du Museum National d'Histoire Naturelle Grigore Antipa : print, elektronický dokument*, ISSN 1223-2254; 2247-0735. 2020, Roč. 63, č. 1, s. 87-91. Dostupný na internete <<https://travaux.pensoft.net/article/50920/>>
- [3] ROLAND, Elżbieta, IAKUSHENKO, Dmytro, GABRYŚ, Grzegorz 2020. New record of the alien Nearctic species *Callopistromyia annulipes* (Macquart, 1885) (Diptera: Ulidiidae) from Poland. In *Annals of the Upper Silesian Museum in Bytom, Entomology : print, elektronický dokument*, ISSN 0867-1966; 2544-039X. 2020, Roč. 29, s. 1-6. Dostupný na internete <http://muzeum.bytom.pl/?page_id=5873>
- [3] KASALO, N., TOPIĆ, M., TARANDEK, A. 2021 [cit. 2022-02-14]. The first record of the peacock fly *Callopistromyia annulipes* Macquart, 1855 (Diptera: Ulidiidae) in Croatia revealed by social media. In *Natura Croatica [online]*. 2021 [cit. 2022-02-14], vol. 30, no. 2, s. 527. Dostupný na internete <<https://hrcak.srce.hr/file/391014>>
- 25** Some insects (Dermaptera, Diptera, Mecoptera) from beer traps in Uzhhorod city (Ukraine) / Libor Dvořák, Jean-Paul Haenni, Jan Mácá ... [et al.].
In: *Folia oecologica*. - ISSN 1338-080X. - Roč. 9, č. 2 (2017), s. 11-17.
FHPV 234/17
[DVOŘÁK, Libor (20%) - HAENNI, Jean-Paul (20%) - MÁCÁ, Jan (20%) - MARIYCHUK, Ruslan (20%) - OBOŇA, Jozef (20%)]
- [1] RUCHIN, A.B., EGOROV, L.V., KHAPUGIN, A.A. et al. 2020. The use of simple crown traps for the insects collection. In *Nature conservation research*, ISSN 2500-008X. 2020, vol. 5, no. 1, s. 87-108.
- [3] HRIBAR, Lawrence J. 2020 [cit. 2020-08-26]. Differential collections of *Drosophila* flies in traps baited with two different styles of beer. In *Fly times [online]*. 2020 [cit. 2020-08-26], no. 64, s. 40. Dostupný na internete <<http://www.nadsdiptera.org/News/FlyTimes/Flyhome.htm>>
- 26** Enhancing the performance of supercapacitor activated carbon electrodes by oxidation [print] / aut. Liudmyla M. Grishchenko, aut. Galyna G. Tsapyuk, aut. Mauro Ricco, aut. Vitaliy E. Diyuk, aut. Olha Boldyrieva, aut. Ruslan Mariychuk, aut. Igor P. Matushko, aut. Daniele Pontiroli, aut. Vladyslav Lisnyak, aut. Silvio Scaravonati.
In: 2020 IEEE 40th International Conference on Electronics and Nanotechnology (ELNANO) [print] : conference proceedings / zost. [bez zostavovateľa]. - Kyjev : National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", 2020. - ISBN 978-1-7281-9713-5. - S. 173-177.
FHPV-20 144/20
[GRISHCHENKO, Liudmyla M. (10%) - TSAPYUK, Galyna G. (10%) - RICCO, Mauro (10%) - DIYUK, Vitaliy E. (10%) - BOLDYRIEVA, Olha (10%) - MARIYCHUK, Ruslan (10%) - MATUSHKO, Igor P. (10%) - PONTIROLI, Daniele (10%) - LISNYAK, Vladyslav (10%) - SCARAVONATI, Silvio (10%)]

- [1] FOROUZANDEH, Parnia, KUMARAVEL, Vignesh, PILLAI, Suresh C. 2020. Electrode materials for supercapacitors: a review of recent advances. In *Catalysts : elektronický dokument*, ISSN 2073-4344. 2020, Roč. 10, č. 9, s. 1-73. CCC ; SCO ; WOS CC.
- [1] YADLAPALLI, R.T., ALLA, R.R., KANDIPATI, R. et al. 2022. Super capacitors for energy storage: Progress, applications and challenges. In *Journal of energy storage*, ISSN 2352-152X. 2022, roč. 49, art. no. 101194. SCOPUS; WOS:000780377500002.
- [1] YAQOOB, L., NOOR, T., IQBAL, N. 2022. Conversion of plastic waste to carbon-based compounds and application in energy storage devices. In *ACS Omega*, ISSN 2470-1343. 2022, roč. 7, č. 16, s. 13403-13435. SCOPUS; WOS:000812558400001.
- [1] TAGSIN, P., SUKSANGRAT, P., KLANGTAKAI, P. et al. 2021. Electrochemical mechanisms of activated carbon, alpha-MnO₂ and composited activated carbon-alpha-MnO₂ films in supercapacitor applications. In *Applied surface science*, ISSN 0169-4332. 2021, č. 570, art. no. 151056. SCOPUS; WOS:000713235800003.
- 27** Isolation and lyophilisation of anthocyanins from fruits of blackcurrant / R. Mariychuk, A. Eliasova, J. Porubská ... [et al.].
In: *Acta Horticulturae [elektronický zdroj]*. - ISSN 2406-6168. - Vol. 1133 (2016), online, s. 329-333. - Popis urobený 17.1.2017.
Plný text: http://www.ishs.org/ishs-article/1133_51
FHPV 199/16
[MARIYCHUK, Ruslan (20%) - ELIAŠOVÁ, Adriana (20%) - PORUBSKÁ, Janka (20%) - PORÁČOVÁ, Janka (20%) - ŠIMKO, Vladimír (20%)]
- [1] CARRERA, C., ALIANO-GONZÁLEZ, M.J., RODRÍGUEZ-LÓPEZ, J. et al. 2021. Optimization of an ultrasound-assisted extraction method for the analysis of major anthocyanin content in erica australis flowers. In *Molecules*, ISSN 1420-3049. 2021, vol. 26, no. 10.
- [1] CARRERA, C., ALIANO-GONZÁLEZ, M.J., VALAITYTE, M. 2021. A novel ultrasound-assisted extraction method for the analysis of anthocyanins in potatoes (*Solanum tuberosum* L.). In *Antioxidants*, ISSN 2076-3921. 2021, vol. 10, no. 9.
- 28** New indicators for determination of acid number in diesel fuel containing biodiesel [print, elektronický dokument] / aut. Yuliya Zhukova, aut. Yaroslav Studenyak, aut. Ruslan Mariychuk.
In: *Renewable energy sources: engineering, technology, innovation [print, elektronický dokument]* / zost. Marek Wrobel, zost. Marcin Jewiarz, zost. Andrzej Szlek. - Cham : Springer Nature, 2020. - ISBN 978-3-030-13887-5. - ISBN 978-3-030-13888-2. - ISSN 2352-2534. - ISSN 2352-2542. - S. 431-443.
FHPV-20 172/20
[ZHUKOVA, Yuliya (34%) - STUDENYAK, Yaroslav (33%) - MARIYCHUK, Ruslan (33%)]
- [1] YULIANI, E., PERMANA, W. 2021. The use of ethanol as an alternative solvent to replace 2-propanol in the determination of total acid number in lubricant by potentiometric titration. In null Mujiarto, A. Djohar, S. Vaidyanathan, M. Bin Mamat, C.-H. Lien, M.M. Habib, E. Sulaema, null Suswandari, null Muhtadi, null Sarjito, M. Komaro, S. Hermawan, P.H. Tjahjanti, I.A. Kautsar, J. Saputra, A. Sambas, B. Hendrawan: *1st Paris Van Java International Seminar on Computer, Science, Engineering, and Technology : print, elektronický dokument*, ISSN 1742-6588; 1742-6596. Tasikmalaya : IOP Publishing Ltd., 2021.
- 29** Optimal extraction of pure anthocyanins from fruits of *Sambucus nigra* / I. Salamon, R. Mariychuk, D. Grulova.
In: *Acta Horticulturae*. - ISBN 978-94-62610-54-5. - ISSN 0567-7572. - No. 1061 (2015), s. 73-78. - Časopis obsahuje príspevky z konferencie International symposium on Elderberry, Columbia, Missouri, June 9-14, 2013.
FHPV 260/15
[ŠALAMON, Ivan (60%) - MARIYCHUK, Ruslan (20%) - GRULOVÁ, Daniela (20%)]

- [1] ONGKOWIJOYO, P., LUNA-VITAL, D.A., GONZALES DE MEJIA, E. 2018. Extraction techniques and analysis of anthocyanins from food sources by mass spectrometry: An update. In *Food chemistry*, ISSN 0308-8146. 2018, vol. 250, s. 113-126.
- [1] BARROS, H.D.F.Q., BASEGGIO, A.M., ANGOLINI, C.F.F. et al. 2019. Influence of different types of acids and pH in the recovery of bioactive compounds in Jaboticaba peel (*Plinia cauliflora*). In *Food research international*, ISSN 0963-9969. 2019, vol. 124, s. 16-26.
- [1] SAVALEKAR, K., AHAMMED SHANEER, T.P., KHAN, Z. 2019. Targeted phenolic profiling of Sauvignon blanc and Shiraz grapes grown in two regions of India by liquid chromatography-tandem mass spectrometry. In *Journal of food science and technology*, ISSN 0022-1155. 2019, vol. 56, no. 7, s. 3300-3312.
- [1] INADA, K.O.P., LEITE, I.B., MARTINS, A.B.N. 2021. Jaboticaba berry: A comprehensive review on its polyphenol composition, health effects, metabolism, and the development of food products. In *Food research international*, ISSN 0963-9969. 2021, vol. 147, art. no. 110518.
- [1] ROZYLO, R., WOJCIK, M., DZIKI, D. et al. 2019. Freeze-dried elderberry and chokeberry as natural colorants for gluten-free wafer sheets. In *International agrophysics*, ISSN 0236-8722. 2019, roč. 33, č. 2, s. 217-225. SCOPUS; WOS:000476628800009.
- [1] SUHAIMI, S., ISMAIL, N.S., SAULI, Z. 2022. Extraction, preparation and application of anthocyanin pigments from mulberry using polar solvent in various pH as photosensitizer for dye-sensitized solar cells. In *International journal of nanoelectronics and materials*, ISSN 1985-5761. 2022, roč. 14, sp. InCAPE, s. 67-77. SCOPUS; WOS:000759192400009.
- [1] PASCARIU, O.E., ISRAEL-ROMING, F. 2022. Bioactive compounds from elderberry: extraction, health benefits, and food applications. In *Processes*, ISSN 2227-9717. 2022, roč. 10, č. 11, art. no. 2288. SCOPUS; WOS:000881411800001.

30 The antioxidant effects of lyophilised extracts of berry fruit / J. Poracova, V. Sedlak, J. Porubská ... [et al.].

In: *Acta Horticulturae* [elektronický zdroj]. - ISBN 9789462611153. - ISSN 2406-6168. - No. 1133 (2016), online, s. 357-362. - Popis urobený 10.11.2016. - Príspevky vyšli aj v tlačenej verzii a na CD-ROM.

Plný text: http://www.actahort.org/members/showpdf?booknr=1133_56

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[PORÁČOVÁ, Janka (25%) - SEDLÁK, Vincent (15%) - PORUBSKÁ, Janka (10%) - GOGALOVÁ, Zuzana (10%) - MARIYCHUK, Ruslan (10%) - VAŠKOVÁ, Janka (10%) - VAŠKO, Ladislav (10%) - MYDLÁROVÁ BLAŠČÁKOVÁ, Marta (9%) - POŠIVÁKOVÁ, Terézia (1%)]

- [3] KIMÁKOVÁ, T., BENCKO, V. 2017 [cit. 2018-07-10]. Antioxidants in selected foods and beverages and their role in prevention of diseases. In *Central European journal of occupational and environmental medicine* [online], ISSN 1219-1221. 2017 [cit. 2018-07-10], vol. 23, no. 3-4, s. 261. Dostupný na internete <http://www.omfi.hu/cejoem/Volume23/Vol23No3-4/23_3-4_Article_08.pdf>
- [4] KIMÁKOVÁ, Tatiana 2018. *Sledovanie vybraných faktorov životného štýlu vysokoškolákov*. Košice : Univerzita Pavla Jozefa Šafárika, 2018, s. 106. ISBN 978-80-8152-619-0. Dostupný na internete <<https://unibook.upjs.sk/img/cms/2018/lf/zivotny-styl-web.pdf>>
- [3] KIMÁKOVÁ, Tatiana 2018. Physical activity, nutrition and their interconnection with oxidative stress. In *Physical activity and functional efficiency in sport and recreation*. Racibórz : Wydawnictwo Państwowej Wyższej Szkoły Zawodowej w Raciborzu, 2018, s. 85, 96. ISBN 978-83-951494-0-5.
- [4] KIMÁKOVÁ, Tatiana 2019. *Zdravý životný štýl návštevníkov Bardejovských kúpeľov*. Košice : Equilibria, 2019, s. 136. ISBN 978-80-8143-246-0.

- [3] KIMÁKOVÁ, T., ISSA, M., NASSER, B. et al. 2020. Vybrané aspekty životného štýlu v prevencii chronických neinfekčných ochorení. In *Zdravotno-sociálne a ošetrovateľské aspekty civilizačných ochorení : zborník z 6. Medzinárodnej vedeckej konferencie*. 1. vyd. Warszawa : Collegium Humanum – Szkoła Główna Menedżerska, 2020, s. 156, 160. ISBN 978-83-952951-3-3.
- [4] KIMÁKOVÁ, T., TÓTH, Š., UHER, I. 2021. *Zdravé a aktívne starnutie účastníkov vzdelávania na Univerzite tretieho veku a vysokoškolských študentov*. 1. vyd. Košice : Univerzita Pavla Jozefa Šafárika, 2021, s. 329. ISBN 978-80-574-0026-4.
- 31** Green synthesis of irregular shaped gold nanoparticles [elektronický dokument] / aut. Ruslan Mariychuk, aut. Vladyslav Lisnyak.
In: 2019 International Council on Technologies of Environmental Protection / zost. [bez zostavovateľa]. - Starý Smokovec : Institute of Electrical and Electronics Engineers, 2019. - ISBN 978-1-7281-4925-7. - S. 173-176.
Doi: 10.1109/ICTEP48662.2019.8968946
FHPV-20 355/19
[MARIYCHUK, Ruslan (90%) - LISNYAK, Vladyslav (10%)]
- [1] EKAMBARAM, R., SARAVANAN, S., SELVAM, N. et al. 2022. Statistical optimization of novel acemannan polysaccharides assisted TiO₂ nanorods based nanofibers for skin cancer application. In *Carbohydrate polymer technologies and applications*, ISSN 2666-8939. 2022, roč. 2, art. no. 100048. SCOPUS;WOS:000821573700028.
- 32** Antimicrobial activity of anthocyanins / Konečná M., Poráčová J., Tkáčiková Ľ. ... [et al.].
In: Vital issues of the Carpathian flora research: retrospective and present state : abstracts. - Uzhhorod : Uzhhorod national university, 2016. - ISBN 978-617-7333-24-0. - S. 76.
FHPV 260/16
[KONEČNÁ, Mária (12%) - PORÁČOVÁ, Janka (11%) - TKÁČIKOVÁ, Ľudmila (11%) - KŠONŽEKOVÁ, Petra (11%) - GOGALOVÁ, Zuzana (11%) - SEDLÁK, Vincent (11%) - MYDLÁROVÁ BLAŠČÁKOVÁ, Marta (11%) - MARIYCHUK, Ruslan (11%) - MIRUTENKO, V. (11%)]
- [3] PÓLIN, I., NAGY, M. 2019. A farmakognózia és a győgynővényismeret oktatása Kárpátalján. In *Neveléstudományi kutatások a Kárpát-medencei oktatási térben*. Oradea : Nagyvárad, 2019, s. 433. ISBN 978-80-8122-310-5.
- 33** Antimicrobial properties of anthocyanin extract prepared from berries by ethanol and acetone extraction / Tkáčiková Ľ., Kšonžeková P., Poráčová J. ... [et al.].
In: New trends in the biological and ecological research : book of abstracts. - Prešov : Grafotlač, 2012. - ISBN 978-80-89561-09-4. - S. 48. - V publikácii je nesúlad medzi vydavateľom a prideleným ISBN. Uvedené ISBN 978-80-89561-09-4 bolo pridelené vydavateľovi Grafotlač, Prešov.
FHPV 177/12
[TKÁČIKOVÁ, Ľ. - KŠONŽEKOVÁ, Petra - PORÁČOVÁ, Janka (20%) - MARIYCHUK, Ruslan - ELIAŠOVÁ, Adriana (10%)]
- [1] DEMIRBAS, A., YILMAZ, V., ILDIZ, N. et al. 2017. Anthocyanins-rich berry extracts directed formation of Ag NPs with the investigation of their antioxidant and antimicrobial activities. In *Journal of molecular liquids*, ISSN 0167-7322. 2017, vol. 248, s. 1044-1049.
- 34** Ekstrakcija antocianiniv iz roslynnoji syrovyny / Marijčuk R., Fejer J., Eliašova, A. ... [et al.].
In: Naukovyj visnyk Užhorodskoho universytetu : serija chimija. - no. 2 (32) (2014), s. 35-37.
FHPV 462/14
[MARIYCHUK, Ruslan (50%) - FEJÉR, Jozef (10%) - ELIAŠOVÁ, Adriana (10%) - GRUĽOVÁ, Daniela (10%) - ŠALAMON, Ivan (20%)]

- [1] KORENETS, Y., GORIAINOVA, I., NYKYFOROV, R. et al. 2017. Substantiation of feasibility of using black chokeberry in the technology of products from shortcake dough. In *Eastern European journal of enterprise technologies*, ISSN 1729-3774. 2017, vol. 2, no. 10-86, s. 25-31.
- 35** Gold nanoparticles green synthesis with clove oil: spectroscopic and theoretical study [print, elektronický dokument] / Maksym M. Fizer, Ruslan T. Mariychuk, Oksana I. Fizer. In: *Applied Nanoscience* [print, elektronický dokument]. - ISSN 2190-5509. - ISSN 2190-5517. - Roč. 12, č. 3 (2022), s. 611-620.
Doi: 10.1007/s13204-021-01726-6
FHPV-22 56/22
[FIZER, Maksym (34%) - MARIYCHUK, Ruslan (33%) - FIZER, Oksana (33%)]
- [1*] XIAO, Zuobing, XU, Wenwen, MA, Jiajia et al. 2021. Double-Encapsulated Microcapsules for the Adsorption to Cotton Fabrics. In *Coatings : elektronický dokument*, ISSN 2079-6412. 2021, Roč. 11, č. 4, s. WOS CC ; SCO.
- 36** Surface chemistry of fluoroalkylated nanoporous activated carbons: XPS and 19F NMR study [print, elektronický dokument] / Vitaliy E. Diyuk, Alexander N. Zaderko, Liudmyla M. Grishchenko ... [et al.]. In: *Applied Nanoscience* [print, elektronický dokument]. - ISSN 2190-5509. - ISSN 2190-5517. - Roč. 12, č. 3 (2022), s. 637-650.
Doi: 10.1007/s13204-021-01717-7
FHPV-22 59/22
[DIYUK, Vitaliy E. (15%) - ZADERKO, Alexander N. (15%) - GRISHCHENKO, Liudmyla M. (10%) - AFONIN, Sergii (10%) - MARIYCHUK, Ruslan (10%) - BOLDYRIEVA, Olga Yu (10%) - SKRYSHEVSKY, V.A. (10%) - KAŇUCHOVÁ, Mária (10%) - LISNYAK, Vladyslav (10%)]
- [1*] LIU, Yifan, ZHANG, Hongyan, WU, Baoshan et al. 2022. Pushing capacities and energy densities beyond theoretical limits of lithium primary batteries using active CF<inf>x</inf> nanocapsules with x > 1. In *Inorganic Chemistry Frontiers : print, elektronický dokument*, ISSN 2052-1545; 2052-1553. 2022, Roč. 10, č. 1, s. 127-136. SCO ; WOS CC.
- 37** The regularities of the Mentha piperita L. extract mediated synthesis of gold nanoparticles with a response in the infrared range [print, elektronický dokument] / Ruslan Mariychuk, Romana Smolková, Viktória Bartošová ... [et al.]. In: *Applied Nanoscience* [print, elektronický dokument]. - ISSN 2190-5509. - ISSN 2190-5517. - Roč. 12, č. 4 (2022), s. 1071-1083.
Doi: 10.1007/s13204-021-01740-8
FHPV-22 57/22
[MARIYCHUK, Ruslan (40%) - SMOLKOVÁ, Romana (15%) - BARTOŠOVÁ, Viktória (10%) - ELIAŠOVÁ, Adriana (10%) - GRISHCHENKO, Liudmyla M. (5%) - DIYUK, Vitaliy E. (10%) - LISNYAK, Vladyslav (10%)]
- [1*] TYAGI, Pankaj Kumar, QUISPE, Cristina, HERRERA-BRAVO, Jesus et al. 2021. Synthesis of Silver and Gold Nanoparticles: Chemical and Green Synthesis Method and Its Toxicity Evaluation against Pathogenic Bacteria Using the ToxTrak Test. In *Journal of Nanomaterials : print, elektronický dokument*, ISSN 1687-4110; 1687-4129. 2021, Roč. 2021, s. WOS CC ; SCO.

Štatistika ohlasov

[1]	Citácie zahr. reg. vo WoS a SCOPUS	129
[1*]	Citácie reg. v citačných indexoch	3
[3]	Citácie zahraničné nereg.	17
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1* Citácie podľa Vyhlášky č. 397/2020 Z.z.