

LISTA DE LUCRĂRI

Conf. dr. ing. Nicoleta-Aurelia CHIRĂ

1. Articole publicate în reviste cotate ISI

- Ris1.** Ivanova, M., Hanganu, A., Dumitriu, R., (...), Deleanu, C., **Chiră, N.-A.**
"Saponification Value of Fats and Oils as Determined from 1H-NMR Data: The Case of Dairy Fats"
Foods 11(10), **2022**, 1466, F.I. = 5.561
eISSN2304-8158
DOI: 10.3390/foods11101466,
WOS:000803146700001
- Ris2.** Matei, P.L., Olteanu, B.I., **Chiră, N.**, Stoica-Guzun, A.
"Extraction of Bioactive Compounds from Blackberries Pomace"
UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 84(2), **2022**, pp. 105-116.
ISSN: 1454-2331
WOS:0005558700900001
- Ris3.** Matei P.-L.; Busuioc C.; Ionescu N.; Stoica-Guzun A.; **Chiră N.-A.**
"Cnicus benedictus Oil as a Raw Material for Biodiesel: Extraction Optimization and Biodiesel Yield"
Sustainability 13, **2021**, art. 13193.,
DOI: 10.3390/su132313193,
WOS: 000734629300001
- Ris4.** Hanganu, A.; **Chiră, N.-A.**
"When detection of dairy food fraud fails: An alternative approach through proton nuclear magnetic resonance spectroscopy",
Journal of Dairy Science, 104 (8), **2021**, pp. 8454 - 8466,
DOI: 10.3168/jds.2020-19883,
WOS: 000672155100007
- Ris5.** Komartin R.S., Stroescu M.C., **Chiră N.-A.**, Stan L.G.R., Stoica-Guzun A.
"Optimization of oil extraction from Lallemandia iberica seeds using ultrasound-assisted extraction",
Journal of Food Measurement and Characterization, 15, **2021**, pp. 2010-2020, IF=3.006,
DOI: 10.1007/s11694-020-00790-w
WOS: 000606365600002.
- Ris6.** Raicopol, M.D. ; **Chiră, N.A.** ; Pandele, A.M.; Hanganu, A.; Ivanov, A.A.; Tecuceanu, V. ; Bugean, I.G. ; Buica, G.O.
"Electrodes modified with clickable thiosemicarbazone ligands for sensitive voltammetric detection of Hg(II) ions"
Sensors and Actuators, B: Chemical, 313, **2020**; Article Number: 128030, F.I.(2019) = 7.100
eISSN: 0925-4005
DOI: 10.1016/j.snb.2020.128030
WOS:000526287200011

- Ris7.** Isopencu, G.; Stroescu, M; Broșteanu, A.; **Chira, N.**; Pârvulescu, O.C.; Busuioc, C.; Stoica-Guzun, A.
“Optimization of ultrasound and microwave assisted oil extraction from sea buckthorn seeds by response surface methodology”
Journal of Food Process Engineering, 42 (1), 2019; Article Number: e12947, F.I. = 1.955
ISSN: 1745-4530 (online)
DOI: 10.1111/jfpe.12947
WOS:000457767600016
- Ris8.** Komartin, R.S.; Stan, R.; Bălăncă, B.; **Chira, N.**; Hanganu, A.
“Treatment of the oil of *Lallemantia iberica* with activated adsorbents”
UPB Scientific Bulletin, Series B: Chemistry and Materials Science, 81 (4), 2019; pp.95-106.
ISSN: 1454-2331
DOI:
WOS:000501994100010
- Ris9.** Stoica-Guzun, A.; Pârvulescu, O.C.; Broșteanu, A.; **Chira, N.**; Stroescu, M.; Dobre, T.
“Influence of sea buckthorn pomace pre-treatment and drying conditions on the drying kinetics, quantity and quality of seed oil”
Journal of Food and Nutrition Research, 57 (4), 2018; pp. 363-372, F.I. = 0.687
ISSN: 1336-8672
DOI: -
WOS: 000451926900005
- Ris10.** Isopencu, G.; Marfa, M; Jipa, I.; Stroescu, M.; Guzun, A.S.; **Chira, N.**; Popescu, M.
“Optimisation of the Oil Extraction from *Nigella sativa* Seeds Using Response Surface Methodology”
Revista de Chimie, 68 (2), 2017; pp. 331-336, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS: 000397043100029
- Ris11.** A.-E. Anastasiu, **N.-A. Chira**, I. Banu, N. Ionescu, R. Stan, S.-I. Rosca
“Oil productivity of seven Romanian linseed varieties as affected by weather conditions”
Industrial Crops and Products 86, 2016, pp. 219-230, F.I. = 3.449 ISSN: 0926-6690
DOI: 10.1016/j.indcrop.2016.03.051
WOS:000376799900026
- Ris12.** **Chira, N. A.**; Nicolescu, A.; Stan, R.; Rosca, S.
“Fatty Acid Composition of Vegetable Oils Determined from ^{13}C -NMR Spectra”
Revista de Chimie, 67 (7), 2016; pp. 1257-1263, F.I. = 0.956 ISSN: 0034-7752
DOI: -
WOS:000385513000005
- Ris13.** Maganu, M.; **Chira, N.**; Stavarache, C.; Andronescu, C.; Anastasiu, A.
“Assessment of Maleinization Degree of Linseed Oil from Spectral Data”
Revista de Chimie, 67 (2), 2016; pp. 276-281, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000372170700016
- Ris14.** M. Raicopol, B. Bălăncă, K. Sllozberg, B. Schlüter, S.A. Gârea, **N. Chira**, W. Schuhmann, C. Andronescu
“Vegetable oil-based polybenzoxazine derivatives coatings on Zn–Mg–Al alloy coated steel”
Corrosion Science, 2015, 100, pp. 386-395, F.I. = 5.154

ISSN: 0010-938X
DOI: 10.1016/j.corsci.2015.08.018
WOS: 000363070100036

- Ris15.** Chira, N.; Stan, R.; Todasca, C.; Maganu, M.; Constantinescu, T.; Garea, S.; Rosca, S.
"Azo Dye Monomer Derived from Linseed Oil"
Revista de Chimie 66 (7), 2015, pp. 937-941; F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000359179900004
- Ris16.** Chira, N.-A.; Bratu, A.; Mihalache, M.; Todaşcă, M.-C.; Dorneanu, A.; Roşca, S.
"Investigation of the efficiency of agrotechnical treatments applied to oilseed plants by chromatographic analysis of the fatty acid composition"
Revista de Chimie 65(7), 2014, pp. 774-778, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000345545600007
- Ris17.** Stroescu, M.; Stoica-Guzun, A.; Ghergu, S.; Chira, N.-A.; Jipa, I.
"Optimization of fatty acids extraction from Portulaca oleracea seed using response surface methodology"
Industrial Crops and Products 43, 2013, pp. 405-411, F.I. = 3.449
ISSN: 0926-6690
DOI: 10.1016/j.indcrop.2012.07.051
WOS:000311865000062
- Ris18.** Bratu, A.; Mihalache, M.; Hanganu, A.; Chira, N.-A.; Todaşcă, M.-C.; S. Roşca
„Gas Chromatography Coupled with Chemometric Method for Authentication of Romanian Cheese”
Revista de Chimie 63(11), 2012, pp. 1099-1102, F.I. = 0.956;
ISSN: 0034-7752
DOI: -
WOS:000312606800004
- Ris19.** Hanganu, A.; Todaşcă, M.-C. ; Chira, N.-A. ; Maganu, M.; Roşca, S.
"The compositional characterisation of Romanian grape seed oils using spectroscopic methods"
Food Chemistry 134, 2012, pp. 2453-2458, F.I. = 4.052 ISSN: 0308-8146
DOI: 10.1016/j.foodchem.2012.04.048
WOS:000305859800100
- Ris20.** Mihalache, M.; Bratu, A.; Hanganu, A.; Chira, N.-A.; Maganu, M; Todaşcă, M.-C.; S. Roşca
„Thermal Formation of trans Fatty Acids in Romanian Vegetable Oils Monitored by GC-MS and FT-IR Techniques”
Revista de Chimie 63(10), 2012, pp. 984-988, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000311927200003
- Ris21.** Mihalache, M.; Bratu, A.; Hanganu, A.; Chira, N.-A.; Todaşcă, M.-C.; S. Roşca
„A New Chemometric Strategy Based on $^1\text{H-NMR}$ Data Applied for Authentication of Romanian Vegetable Oils”
Revista de Chimie 63(9), 2012, pp., 877-882, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000310928900006

- Ris22.** Hanganu, A; Todasca, M.-C., **Chira, N.-A.**; Roșca, S.
„Influence of Common and Selected Yeasts on Wine Composition Studied Using $^1\text{H-NMR}$ Spectroscopy”
Revista de Chimie 62(7), 2011, pp. 689-692, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000292756700002
- Ris23.** **Chira, N.-A.**; Todașcă, M.-C.; Păunescu, G.; David, I.; Ionescu, N.; Stanciu, M.; Roșca, S.
“Romanian Vegetable Oils Authentication By Multivariate Analysis of $^1\text{H-NMR}$ Data”
Revista de Chimie 62(4), 2011, pp. 391-395, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000290835700008
- Ris24.** Todașcă, M.-C.; Fotescu, L.; **Chira, N.-A.**; Deleanu, C.; Roșca, S.
„Composition Changes in Wines Produced by Different Growing Techniques Examined Through $^1\text{H-NMR}$ Spectroscopy”
Revista de Chimie 62(2), 2011, pp. 131-134, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000288838800002
- Ris25.** **Chira, N.-A.**; Todașcă, M.-C.; Nicolescu, A.; Roșu, A.; Nicolae, M.; Roșca, S.-I.
“Evaluation of the Computational Methods for Determining Vegetable Oils Composition using $^1\text{H-NMR}$ Spectroscopy”
Revista de Chimie 62(1), 2011, pp. 42 – 46, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000288339400008
- Ris26.** Todașcă, M.C.; Fotescu, L.; Hîncu, F.; **Chira, N.**, Rosca, S.
“Comparative Study of Wines Obtained Through Different Technological Methods Using IR Spectroscopy”
Revista de Chimie 61(11), 2010, pp. 1042-1045, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000286571600007
- Ris27.** Iga, D.P.; Iga, S.; Nicolescu, A.; **Chira, N.-A.**
“Synthesis of a new substrate for exo-galactofuranosidases, 2-hydroxy-4-nitrobenzene 1-yl β -D-galactofuranoside”
Revue Roumaine de Chimie 55(5), 2010, pp. 357-363, F.I. = 0.250
ISSN: 0035-3930
DOI: -
WOS:000280213800008
- Ris28.** Todașcă, M.C.; **Chira, N.**; Avramescu, M.; Rubeli, A.; Deleanu, C.; Roșca, S.
“Study of Compositional Changes in Must During Fermentation Process Using Proton Nuclear Magnetic Resonance Spectroscopy”
Revista de Chimie 59 (10), 2008, pp. 1101-1106, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000261428800008
- Ris29.** Stan, R.; **Chira, N.**; Ott, C.; Todasca, C.; Perez, E.
“Catanionic organogelators derived from D-sorbitol and natural fatty acids”
Revista de Chimie 59(3), 2008, pp. 273-276, F.I. = 0.956 ISSN: 0034-7752
DOI: -
WOS:000255966000006

- Ris30.** Buzas, M.C.; Chira, N.; Deleanu, C.; Rosca, S.
"Identification and Quantitative Measurement by $^1\text{H-NMR}$ Spectroscopy of Several Compounds Present in Romanian Wines"
Revista de Chimie 54(10), **2003**, pp. 831-833, F.I. = 0.956
ISSN: 0034-7752
DOI: -
WOS:000187240100009
- 2. Articole publicate în reviste de specialitate indexate BDI (CNCSIS categ. B+):**
- Rns 1.** Ionescu, N.; **Chira, N.-A.**
"Comportarea unor soiuri de gălbenele în perioada 2016-2018 la INCDA Fundulea"
Analele I.N.C.D.A. Fundulea (Sectiunea Genetica si Ameliorarea Plantelor), vol. LXXXVII, **2019**, pp. 133-138.
ISSN: 2067-7758
- Rns 2.** **Chira, N.-A.**; Rosca, S. I.
"Polyols Derived from Linseed oil"
UPB Scientific Bulletin, Series B, 77 (4), **2015**, pp. 41-50
ISSN: 1454-2331
- Rns 3.** Anastasiu, A. E.; Bratu, A.; Mihalache, M.; Hanganu, A.; Chira, N.; Rosca, S.
"Comparative Study of Juices and Wines obtained from Forest Fruits and Grapes Using $^1\text{H-NMR}$ Spectroscopy"
UPB Scientific Bulletin Series B, 77 (4), **2015**, pp. 265-274
ISSN: 1454-2331
- Rns 4.** Bratu, A.; Mihalache, M.; Hanganu, A.; **Chira, N.-A.**; Todașcă, M.-C.; Roșca, S.,
"Quantitative determination of fatty acids from fish oils using GC-MS method and $^1\text{H-NMR}$ spectroscopy"
UPB Scientific Bulletin Series B, 75 (2), **2013**, pp. 23-32
ISSN: 1454-2331
- Rns 5.** Suceveanu, M.; Hanganu, A.; **Chira, N.**; Chiru, L.; Roșca, S.
"Effect of Ni-Al Alloys Action on Some Natural Compounds"
UPB Scientific Bulletin Series B, 74 (4), **2012**, pp. 127-136
ISSN: 1454-2331
- Rns 6.** Hanganu, A.; Todașcă, M.C.; **Chira, N.A.**; Roșca, S.
"The Compositional Characterization of Cadarcă Wine by Comparison with Other Romanian Red Wines Using $^1\text{H-NMR}$ Spectroscopy"
UPB Scientific Bulletin Series B, 73 (2), **2011**, pp. 197-204
ISSN: 1454-2331

- Rns 7.** Chira, N.; Todașcă, C.; Nicolescu, A.; Păunescu, G.; Roșca, S.
"Determination of the Technical Quality Indices of Vegetable Oils by Modern Physical Techniques"
UPB Scientific Bulletin Series B, 71 (4), **2009**, pp. 3-12
ISSN: 1454-2331
- Rns 8.** Todașcă, M.C.; Chira, N.; Deleanu, C.; Roșca, S.
"Romanian wine study using IR spectroscopy in comparison with 1H -NMR" *UPB Scientific Bulletin Series B*, 69 (4), **2007**, pp. 3-10 ISSN: 1454-2331

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Semnatura,

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