

Universitatea POLITEHNICA din București
 Facultatea de CHIMIE APLICATA SI STIINTA MATERIALELOR
 Departamentul de Chimie Anorganica, Chimie Fizica si Electrochimie
 Domeniul de studii: INGINERIE CHIMICA
 Programul de studii de masterat: EXPERTIZAREA PRODUSELOR CHIMICE, ALIMENTELOR SI
 MATERIALELOR

L I S T A

lucrărilor științifice în domeniul de studii INGINERIE CHIMICA

A. Teza de doctorat

Titlu: *"Analiza grăsimilor vegetale prin metode fizice moderne"*

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Îndrumător: Prof. Dr. Ing. Sorin I. ROȘCA

Domeniul de doctorat: **Chimie**

B. Cărți si capitole în cărți publicate în ultimii 5 ani:

B1. Chira, N.A.; Stan, R.; Roșca, S.I.

„Chapter 2: Assessing Authenticity of Vegetable Oils”, în „Vegetable Oil: Properties, Uses and Benefits”, Britany Holt (Ed.), Nova Publishing, Hauppauge, New York, pg. 25-54 (30 pg), **2016**;
 ISBN 978-1-63485-128-2

B2. Chira, N.A.; Todașcă, M.C.; Roșca, S.I.

„Grăsimile alimentare: metode de analiză, autentificare”

Ed. Printech, București, 178 pg., **2011**

ISBN 978-606-521-696-9

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

C1. 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 – Indexare ISI ;
 ISSN: 0034-7752
 DOI: -
 WOS: 000397043100029

C2. A.-E. Anastasiu, **N.-A. Chira**, I. Banu, N. Ionescu, R. Stan, S.-I. Rosca
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Industrial Crops and Products 86, **2016**, pp. 219-230, F.I. = 3.449 – Indexare ISI ;
 ISSN: 0926-6690
 DOI: 10.1016/j.indcrop.2016.03.051
 WOS:000376799900026

C3. **Chira, N. A.;** Nicolescu, A.; Stan, R.; Rosca, S.
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C4. Maganu, M.; **Chira, N.;** Stavarache, C.; Andronescu, C.; Anastasiu, A.
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Corrosion Science, **2015**, 100, pp. 386-395, F.I. = 5.154 – Indexare ISI ;
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- C6.** **Chira, N.**; Stan, R.; Todasca, C.; Maganu, M.; Constantinescu, T.; Garea, S.; Rosca, S.
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Revista de Chimie 66 (7), **2015**, pp. 937-941; F.I. = 0.956 – Indexare ISI ;
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- C7.** **Chira, N.-A.**; Rosca, S. I.
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"Comparative Study of Juices and Wines obtained from Forest Fruits and Grapes Using ¹H-NMR Spectroscopy"
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- C10.** Stroescu, M.; Stoica-Guzun, A.; Ghergu, S.; **Chira, N.-A.**; Jipa, I.
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- C15.** Mihalache, M.; Bratu, A.; Hanganu, A.; **Chira, N.-A.**; Todașcă, M.-C.; S. Roșca
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- C16.** Hanganu, A; Todasca, M.-C., **Chira, N.-A.**; Roșca, S.
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- C26.** **Chira, N.**; Todașcă, C.; Nicolescu, A.; Păunescu, G.; Roșca, S.
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- D3.** **Chira, N.**; Maganu, M.; Raicopol, M.; Balanuca, B.; Hanganu, A.; Andronescu, C.; Stan, R.; "Assessment of functionalization degree of vegetable oils for technical applications", 19th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE-19), September 2-5, Sibiu, Romania, **2015**;

- D4.** M. Tociu, M.C. Todasca, V. Artem, M. Mihalache, **N.A. Chira**, F. Manolache, M.D. Stanescu, “*Compositional Changes in Grapes Seed Oils from Traditional and local Romanian Red Varieties*”, 3rd North and East European Congress on Food (NEEFood), May 20-23, Braşov, România, Book of abstracts pp. 146, ISSN 1844-8577, **2015**;
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D34. Chira, N.; Todașcă, M.C.; Nicolescu, A.; Roșca, S., “*Natural Fatty Acids - Synthons for Alkylated Azo Dyes*”, Conferința Națională de Chimie, Călimanești-Căciulata, România, Book of abstracts, pp. 41 (ISBN 978-973-750-124-0), 8-10 October **2008**;

E. Brevete obținute în întreaga activitate

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