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## LISTA DE LUCRĂRI

### OANCEA SIMONA

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#### a) Teza de doctorat. Teză de abilitare

- 1) **Simona Oancea**, titlul tezei de doctorat "*Sinteza unor oligopeptide naturale și analogi cu potențială activitate biologică*", conducător științific prof. univ. dr. Ovidiu Maior, Universitatea București, susținută public în 31.05.1999, confirmată în 23.06.1999, atestată cu Diploma de doctor în Chimie, specializarea Chimie organică, nr. 5086/01.07.1999.
- 2) **Simona Oancea**, titlul tezei de abilitare "*Development of high-value bioactive products for industrial applications and in lifesciences area, with emphasis on natural compounds*" OM 623/08.11.2014.

#### b) Brevete de invenție

- 1) OSIM Brevet de invenție Nr. 129691, acordat și publicat 28/09/2018, Procedeu de stabilizare oxidativă a uleiului de pește prin adaosul unui extract antocianic crud din afine, inventatori: **R.S. Oancea**, M. Stoia, L. Oprean.

#### c) Cărți și capitole de cărți

##### Cursuri și îndrumare universitare publicate

- 1) **Oancea Simona**: "*Biochimia structurală a produselor alimentare*" (curs pentru studenții la învățământ la distanță), Editura Universității "Lucian Blaga" din Sibiu, Romania, ISBN 978-606-12-0455-7, 2013 (80 pagini).
- 2) **Oancea Simona**: "*Toxicologie alimentară*" (curs pentru studenții la învățământ la distanță), Editura Universității "Lucian Blaga" din Sibiu, Romania, ISBN 978-606-12-0456-4, 2013 (50 pagini).
- 3) **Oancea Simona**: "*Imunologie pentru studenții în profil alimentar*", Editura Universității "Lucian Blaga" din Sibiu, Romania, ISBN 978-973-739-937-3, 2010 (111 pagini).
- 4) **Oancea Simona**: "*Biochimie ecologică*", Editura Alma Mater, Sibiu, Romania, ISBN 978-973-632-389-8, 2007 (229 pagini).
- 5) **Oancea Simona**: "*Toxicologie alimentară și elemente de toxicologia mediului*", Editura Universității "Lucian Blaga" din Sibiu, Romania, ISBN (10) 973-739-327-9 ; ISBN (13) 978-973-739-327-2, 2006 (216 pagini).
- 6) **Oancea Simona**: "*Biochimia structurală a produselor alimentare*". Editura Universității "Lucian Blaga" din Sibiu, Romania, ISBN 973-651-475-7, 2002 (177 pagini format B5).
- 7) **Oancea Simona**, Stoia M.: "*Analiza unor agenți toxici din alimente și organism*" Editura Alma Mater, Sibiu, Romania, ISBN 978-973-632-390-4, 2007 (173 pagini).
- 8) **Oancea S.**: cap. 32 "Metode chimice de îndepărtare a unor agenți chimici potențiali toxici din apele uzate" din cartea "Apa-resursă fundamentală a dezvoltării durabile. Metode și tehnici neconvenționale de epurare și tratare a apei" vol. III (pp. 233-241), coordonator Oprean L., Editura Academiei Române, București 2012, ISBN 978-973-27-2269-5, Vol. III – ISBN 978-973-27-2272-5 (569 pagini).
- 9) Darie N., **Oancea Simona**: "*Lucrări practice de biochimie alimentară*". Editura Universității "Lucian Blaga" Sibiu, Romania, ISBN 973-9410-41-3, 1999 (234 pagini).

##### Cărți (monografii, tratate) publicate în edituri din țară și străinătate recunoscute de CNCSIS

- 1) Stoia M., **Oancea Simona**: „*Phytopharmaceuticals market research – from herbal medicine to modern phytotherapy*”, **LAP Lambert Academic Publishing**, ISBN 978-3-659-52810-1, 2014 (110 pagini).
- 2) Stoia M., Neamțiu I., Gurzău E., Bardac D., **Oancea Simona**: „*Sănătate și securitate ocupațională la Copșa Mică*”, Editura Universității "Lucian Blaga" din Sibiu, Romania, ISBN 978-973-739-772-0, 2009 (183 pagini).

- 3) **Oancea Simona**, Stoia M.: *“Analiza unor agenți toxici din alimente și organism”* Editura Alma Mater, Sibiu, Romania, ISBN 978-973-632-390-4, 2007 (173 pagini).
- 4) **Oancea Simona**: *“Căi metabolice primare în sistemele biologice”* Editura Universității “Lucian Blaga” din Sibiu, Romania, ISBN 973-739-194-2, 2005 (159 pagini format B5).

Capitole în cărți (monografii, tratate) publicate în edituri de prestigiu din țară și străinătate

- 1) **Oancea Simona**: Chapter 4 ”Natural extracts. Extraction methodologies – conventional and modern techniques”, pp. 39-53, in ”Advanced health-improved textile composites”, LAP Lambert Academic Publishing OmniScriptum GmbH & Co. KG, 2017, ISBN 978-3-330-00480-1.
- 2) **Oancea Simona**: capitol ”Impactul poluanților organici persistenți asupra sănătății umane” pp. 57-84, în ”Impactul poluanților organici persistenți asupra ecosistemelor acvatice continentale și sănătății umane”, A. Curtean-Bănăduc (Editor), Editura ULBS, 2016. ISBN 978-606-12-1411-2
- 3) **Oancea Simona**: cap. „Main-chain length control of conformation, membrane activity, and antibiotic properties of lipopeptidol sequential analogues” in cartea „Peptaibiotics. Fungal peptides containing  $\alpha$ -dialkyl  $\alpha$ -amino acids”, C. Toniolo, H. Bruckner (Eds.), Part IV, pp. 389-400, published by **Verlag Helvetica Chimica Acta ; Wiley-VCH**, ISBN-10 3-906390-52-7, ISBN-13 978-3-906390-52-9, 2009
- 4) **Oancea Simona**, A.T. Bogdan, C. Oprean: cap. 1 “Criza alimentară mondială: cauze, provocări, dimensiuni, perspective” din cartea “Managementul integrat strategic al combaterii inteligente a crizei alimentare globale, bazat pe bioeconomie și ecoeconomie” (pp. 15-28), coordonatori Alexandru T. Bogdan, L. Oprean, C. Oprean, **Editura Academiei Române, București 2012**, ISBN 978-973-27-2266-4 (659 pagini).
- 5) **Oancea Simona**, C. Oprean: cap. 2 “Strategii pentru combaterea crizei alimentare” din cartea “Managementul integrat strategic al combaterii inteligente a crizei alimentare globale, bazat pe bioeconomie și ecoeconomie” (pp. 28-37), coordonatori Alexandru T. Bogdan, L. Oprean, C. Oprean, **Editura Academiei Române, București 2012**, ISBN 978-973-27-2266-4 (659 pagini).
- 6) **Oancea Simona**, A.T. Bogdan: cap. 3 “Agricultura sustenabilă” din cartea “Managementul integrat strategic al combaterii inteligente a crizei alimentare globale, bazat pe bioeconomie și ecoeconomie” (pp. 37-72), coordonatori Alexandru T. Bogdan, L. Oprean, C. Oprean, **Editura Academiei Române, București 2012**, ISBN 978-973-27-2266-4 (659 pagini).
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- 8) **Oancea Simona**: cap. 27 “Studii fizice, chimice și toxicologice asupra apei și sedimentului din râul Cibin” din cartea “Apa-resursă fundamentală a dezvoltării durabile. Metode și tehnici neconvenționale de epurare și tratare a apei” vol. II (pp. 462-474), coordonator Oprean L., **Editura Academiei Române, București 2012**, ISBN 978-973-27-2269-5, Vol. II. – ISBN 978-973-27-2271-8 (504 pagini).
- 9) **Oancea Simona**: cap. 9 „Deșeuri industriale periculoase” (pp. 165-177) din cartea „Expunerea la factori de risc de la locul de muncă și din mediul ambiental” autori Bardac D.I., Gurzău E.S., Stoia M., Editura Universității “Lucian Blaga” din Sibiu, Romania, ISBN 978-973-739-487-3, **2007** (213 pagini).

**d) Articole/studii in extenso publicate în reviste din fluxul științific internațional principal**

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- 1) **Oancea Simona**, Radu M., Olosutean H.: Development of ultrasonic extracts with strong antioxidant properties from red onion wastes, Rom. Biotech. Lett. 25(2), 1320-1327, 2020. DOI: 10.26327/RBL2018.140
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- 3) Constantinescu M., Bucura F., E.I. Ionete, D. Ion-Ebrasu, C. Sandru, A. Zaharioiu, F. Marin, M.Gh. Miricioiu, V.C. Niculescu, **Oancea Simona**, R.E. Ionete, From Plastic to Fuel - New Challenges, Materiale Plastice, vol. 56(4), 721-729, 2019.
- 4) Răuciu M., **Oancea Simona**, ATR-FTIR versus Raman spectroscopy used for structural analyses of the iron oxide nanoparticles, Rom. Rep. Phys. 71(3), 507, 2019.

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- 6) **Oancea Simona**, Mila L., Ketney O.: “Content of Phenolics, in vitro Antioxidant Activity and Cytoprotective Effects against Induced Haemolysis of Red Cabbage Extracts” *Rom. Biotech. Lett.* 24(1), 1-9, 2019. DOI: 10.26327/RBL2017.114
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- 10) O. Drăghici, M.-L. Păcală, **Oancea Simona**: ”Kinetic studies on the oxidative stabilization effect of red onion skins anthocyanins extract on parsley (*Petroselinum crispum*) seed oil” *Food Chemistry*, 265, 337-343, 2018.
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- 12) Răcuciu M., **Oancea Simona**: “Impact of 50 Hz magnetic field on the content of polyphenolic compounds from blackberries” *Bulg. Chem. Commun.*, vol. 50, issue 3, 393-397, 2018
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- 16) **Oancea Simona**, Drăghici O., Ketney O.: “Changes of total anthocyanin content and antioxidant activity in sweet cherries during frozen storage, and air-oven and infrared drying” *Fruits* 71(5), 281-288, 2016.
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*Participări la saloane de inventică*

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- 2) BREVET Oancea R.S., Drăghici O., Procedure for obtaining of a composition based on lactoferrin and bilberry extract, DIPLOMA de excelență și Special Honour of Invention, EUROINVENT 2018, 17-19 Mai 2018, Iași, Romania. Proceedings of the 10th Edition of EUROINVENT European Exhibition of Creativity and Innovation, RO90. pp 376. <http://www.euroinvent.org/cat/e2018.pdf>
- 3) BREVET Oancea R.S., Drăghici O., Procedure for obtaining of a composition based on lactoferrin and bilberry extract, DIPLOMA și MEDALIA de AUR, the XXIIth International salon of Research, Innovation and Technological transfer, INVENTICA 2018 27-29 June 2018, Iasi, Romania <http://www.tuiasi.ro/evenimente/conferinta-inventica-inventica-2018>
- 4) BREVET Oancea R.S., Ilie BANU, Otto KETNEY, Procedeu de obținere a unei compoziții de miere de salcâm cu adaos de extract antocianic de afine de pădure, DIPLOMA de excelență și MEDALIA de AUR cu mențiune specială, Salonul internațional de inventică PRO INVENT, ediția a XIV-a, 23-25 martie 2016, Cluj-Napoca, Romania pp.241 [https://proinvent.utcluj.ro/cataloge/Pro\\_Invent\\_2016.pdf](https://proinvent.utcluj.ro/cataloge/Pro_Invent_2016.pdf) <http://proinvent.utcluj.ro/premii.php>
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- 6) BREVET Oancea R.S., Ilie BANU, Otto KETNEY, Procedure of obtaining a composition of Acacia honey and anthocyanin extract from bilberry, A XX-a Conferință Internațională „INVENTICA 2016” și a XX-a ediție a Salonului Internațional al Invențiilor, Cercetării, Inovării și Transferului Tehnologic - INVENTICA 2016, 29 June-01 July 2016, Iasi, Romania, DIPLOMĂ ȘI MEDALIA DE AUR <http://www.tuiasi.ro/evenimente/inventica-20-2016>
- 7) BREVET Oancea R.S., Stoia M., Oprean L., Procedure of oxidative stabilization of fish oil by an addition of crude anthocyanin extract from bilberry, PROINVENT 2015, 25-27 martie 2015, Cluj-Napoca, Romania <http://old.utcluj.ro/proinvent/editia2015.html>
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- 17) BREVET Oancea R.S., Drăghici O., Perju M., ”Procedure for obtaining of hempseed oil enriched with Hibiscus extract, resistant to thermo-oxidative degradation”, DIPLOMA și MEDALIA de ARGINT, the XIth European Exhibition of Creativity and Innovation, EUROINVENT 2019, 16-18 May 2019, Iași, Romania
- 18) BREVET Oancea R.S., Drăghici O., Perju M., ”Procedeu de obținere a uleiului de cânepă îmbogățit cu extract de Hibiscus, rezistent la degradarea termo-oxidativă”, The 23rd international exhibition of inventics INVENTICA 2019, June 26-28, 2019, Iași, Romania; MEDALIA INVENTICA 2019 și DIPLOMA DE EXCELENȚĂ a Universității USAMV ”Regele Mihai I al României” din Timișoara

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