

Prof. dr. Luminița David

Fisa de autoevaluare

Indeplinirea criteriilor CNADTCU pe toata activitatea

Lista publicatiilor considerate

1. **David, L.**; Morosan, V.; Moldovan, B.; Baldea, I.; Filip, A.
“*Goji berries mediated green synthesis of gold nanoparticles and their promising effect on reducing oxidative stress and inflammation in experimental hyperglycemia*”,
Antioxidants, **2023**, *12*, 1489 (IF = 6.6)
2. Moldovan, R.; Mitrea, D.-R.; Florea, A.; Chiș, I.-C.; Suci, Ș.; **David, L.**; Moldovan, B. E.; Mureșan, L. E.; Lenghel, M.; Ungur, R. A.; Oprea, R. V.; Decea, N.; Clichici, S.
“*Effects of gold nanoparticles functionalized with bioactive compounds from Cornus mas fruit on oxidative stress in aorta and serum of rats with hyperlipid diet*”
Antioxidants, **2022**, *11*, 1343 (IF = 6.6)
3. **David, L.**; Danciu, V.; Moldovan, B*, Filip, A.
“*Effects of in vitro gastrointestinal digestion on the antioxidant capacity and anthocyanin content of Cornelian cherry fruit extract*”
Antioxidants, **2019**, *8*, 114 (IF = 6.6)
4. Filip, G.A.; Florea, A.; Olteanu, D.; Clichici, S.; **David, L.**; Moldovan, B.*; Cenariu, M.; Potara, M.; Scrobota, I.; Baldea, I.
“*Biosynthesis of silver nanoparticles using Sambucus nigra L. fruit extract for targeting cell death in oral dysplastic cells*”
Mater. Sci. Eng. C, **2021**, *123*, 111974 (IF= 6.0)
5. **David, L.**; Moldovan, B.*; Baldea, I.; Olteanu, D.; Bolfa, P.; Clichici, S.; Filip, G. A.
“*Modulatory effects of Cornus sanguinea L. mediated green synthesized silver nanoparticles on oxidative stress, COX-2/NOS2 and NFkB/pNFkB expressions in experimental inflammation in Wistar rats*”
Mater. Sci. Eng. C, **2020**, *110*, 110709 (IF= 6.0)
6. Clichici, S; **David, L.**; Moldovan, B. *, Baldea, I.; Olteanu, D.; Filip, M.; Nagy, A.; Luca, V.; Crivii, C.; Mircea, P.; Katona, G.; Filip, G. A.
“*Hepatoprotective effects of silymarin coated gold nanoparticles in experimental tumors*”
Mater. Sci. Eng. C, **2020**, *115*, 111117 (transformat în *Biomaterials Advance*,s IF= 6.0)
7. Moldovan, B.; **David, L.***; Vulcu, A.; Olenic, L.; Perde-Schrepler, M.; Fischer-Fodor, E.; Baldea, I.; Clichici, S.; Filip, G. A.
“*In vitro and in vivo anti-inflammatory properties of green synthesized silver nanoparticles using Viburnum opulus L. fruits extract*”
Mater. Sci. Eng. C, **2017**, *79*, 720-727 (transformat în *Biomaterials Advances*, IF = 6.0)
8. Crisan, M.; **David, L.**; Moldovan, B.; Vulcu, A.; Dreve, S.; Perde-Schrepler, M.; Tatomir, C.; Filip, A. G.; Bolfa, P.; Achim, M.; Chiorean, I.; Kacso, I.; Berghian Grosan, C.; Olenic, L. *
“*New Nanomaterials for the Improvement of Psoriatic Lesions*”
J. Mater. Chem. B, **2013**, *1*, 3152-3158 (IF = 5.8)
9. Bidian, C.; Filip, G. A.*; David, L.; Moldovan, B.; Baldea, I.; Olteanu, D.; Filip, M.; Bolfa, P.; Potara, M.; Toader, A. M.; Clichici, S.
“*Viburnum opulus fruit extract-capped gold nanoparticles attenuated oxidative stress and acute inflammation in carrageenan-induced paw edema model*”
Green Chem. Lett. Rev., **2022**, *15*, 319-335 (IF = 5.8)

10. Opris, R.; Tatomir, C.; Olteanu, D.; Moldovan, R.; Moldovan, B.; **David, L.**; Nagy, A.; Decea, N.; Kiss, M.; Filip, G. A.*
“The effect of Sambucus nigra L. extract and phytosynthesized gold nanoparticles on diabetic rats”
Colloids Surf. B, **2017**, *150*, 192-200 (IF =5.6)
11. **David, L.**; Moldovan, B.; Vulcu, A.; Olenic, L.; Perde-Schrepler, M.; Fischer-Fodor, E.; Florea, A.; Crisan, M.; Chiorean, I.; Clichici, S.; Filip, G. A.*
“Green synthesis, characterization and anti-inflammatory activity of silver nanoparticles using European black elderberry fruits extract”
Colloids Surf. B, **2014**, *122*, 767-777 (IF = 5.6)
12. Țiboc (Schnell), C.N.; Filip*, G.A.; Decea, N.; Moldovan, R.; Opris, R.; Man, S.C.; Moldovan, B.; **David, L.**; Tabaran, F.; Olteanu, D.; Gheldiu, A.M.; Baldea, I.
“The impact of Sambucus nigra L. extract on inflammation, oxidative stress and tissue remodeling in a rat model of lipopolysaccharide-induced subacute rhinosinusitis”
Inflammopharmacology, **2021**, *29*, 753-769 (IF= 5.3)
13. Moldovan, B.; **David, L.***; Achim, M.; Clichici, S.; Filip, G. A.
“A green approach to phytomediated synthesis of silver nanoparticles using Sambucus nigra L. fruits extract and their antioxidant activity”
J. Mol. Liq., **2016**, *221*, 271-278 (IF = 5.1)
14. Moldovan, B.; **David, L.***
“Influence of different sweeteners on the stability of anthocyanins from Cornelian cherry juice”
Foods, **2020**, *9*, 1266 (IF = 5.1)
15. Filip, M.; Baldea, I.; **David, L.**; Moldovan, B.; Flontas, G. C.; Macavei, S.; Muntean, D. M.; Decea, N.; Tigu, A. B.; Clichici, S. V.
“Hybrid material based on Vaccinium myrtillum L. extract and gold nanoparticles reduces oxidative stress and inflammation in hepatic stellate cells exposed to TGF-β”
Biomolecules, **2023**, *13*, 1271 (IF = 4.8)
16. Moldovan, B.; **David, L.***
“Influence of Temperature and Preserving Agents on the Stability of Cornelian Cherries Anthocyanins”
Molecules, **2014**, *19*, 8177-8188 (IF = 4.6)
17. Moldovan, B.; **David, L.***; Chișbora, C.; Cimpoiu, C.
“Degradation kinetics of anthocyanins from European Cranberrybush (Viburnum opulus L.) fruits extracts. Effects of temperature, pH and storage solvent”
Molecules, **2012**, *17*, 11655-11666 (IF = 4.6)
18. Filip, A. G.; Potara, M.; Florea, A.; Baldea, I.; Olteanu, D.; Bolfa, P.; Clichici, S.; **David, L.**; Moldovan, B.; Olenic, L.; Astilean, S.
“Comparative evaluation by scanning confocal Raman spectroscopy and transmission electron microscopy of therapeutic effects of noble metal nanoparticles in experimental acute inflammation”
RSC Adv., **2015**, *5*, 67435-67448 (IF = 4.6)
19. P.L. Dulf, C.A. Coadă, A. Florea, R. Moldovan, I. Bâldea, D. V. Dulf, D. Blendea, L. David, B. Moldovan, V. Moroșan, S. Macavei, G. A. Filip, “*Doxorubicin incorporation into gold nanoparticles: An in vivo study of its effects on cardiac tissue in rats*”,
Nanomaterials, **2024**, *14*, 1647 (IF = 4.3)
20. Bidian, C.; Filip, G. A.; **David, L.**; Moldovan, B.; Olteanu, D.; Clichici, S. V.; Olănescu-Vaida-Voevod, M.-C.; Leostean, C.; Macavei, S.; Muntean, D. M.; Cenariu, M.; Albu, A.; Baldea, I.

- “Green synthesized gold and silver nanoparticles increased oxidative stress and induced cell death in colorectal adenocarcinoma cells”*
Nanomaterials, **2023**, *13*, 1251 (IF = 4.3)
21. Moldovan, R.; Mitrea, D.-R.; Florea, A.; **David, L.**; Muresan, L. E.; Chis, I. C.; Suci, S. M.; Moldovan, B.E.; Lenghel, M.; Chiriac, L. B.; Ielciu, I.; Hanganu, D.; Bab, T.; Clichici, S.
“Effects of Gold Nanoparticles Functionalized with Cornus mas L. Fruit Extract on Aorta Wall of Rats with High Fat Diet and with Experimental-Induced Diabetes Mellitus –an imaging study”
Nanomaterials, **2023**, *13*, 1101 (IF = 4.3)
 22. Opris, R.; Toma, V.; Baciu, A. M.; Moldovan, R.; Dume, B.; Berghian-Sevastre, A.; Moldovan, B.; Clichici, S.; **David, L.**; Filip, G. A.*; Florea, A.
“Neurobehavioral and ultrastructural changes induced by phytosynthesized silver nanoparticles toxicity in an in vivo rat model”
Nanomaterials, **2022**, *12*, 58 (IF = 4.3)
 23. **David, L.**; Moldovan, B.*
“Green synthesis of biogenic silver nanoparticles for efficient catalytic removal of harmful organic dyes”
Nanomaterials **2020**, *10*, 202 (IF = 4.3)
 24. Moldovan, B.; Sincari, V.; Perde-Schrepler, M.; **David, L.***
“Biosynthesis of silver nanoparticles using Ligustrum ovalifolium fruits and their cytotoxic effects”
Nanomaterials, **2018**, *8*, 627 (IF = 4.3)
 25. Moldovan, B.; Filip, A.; Clichici, S.; Suharovschi, R.; Bolfa, P.; **David, L. ***
“Antioxidant Activity of Cornelian Cherry (Cornus mas L.) Fruits Extracts and the In Vivo Evaluation of their Anti-inflammatory Effects”
J. Funct. Foods, **2016**, *26*, 77-87 (IF = 4.0)
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“Effects of silver and gold nanoparticles phytosynthesized with Cornus mas extract on oral dysplastic human cells”
Nanomedicine, **2020**, *15*, 55-75, (IF = 3.9)
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“Effects of Silver Nanoparticles functionalized with Cornus mas L. extract on architecture and apoptosis in rat testicle”
Nanomedicine, **2019**, *14*, 275-299 (IF = 3.9)
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“The effects of silver nanoparticles on behavior, apoptosis and nitro-oxidative stress in offspring Wistar rats”
Nanomedicine, **2017**, *12*, 1455-1473 (IF = 3.9)
 29. Filip, G. A.*, Moldovan, B.; Baldea, I.; Olteanu, D.; Suharoschi, R.; Decea, N.; Cismaru, C. M.; Gal, E.; Cenariu, M.; Clichici, S.; **David, L.**
“UV-light mediated green synthesis of silver and gold nanoparticles using Cornelian cherry fruit extract and their anti-inflammatory activity”
J. Photochem. Photobiol. B, **2019**, *191*, 26-37 (IF = 3.7)
 30. Moldovan, M.; Păpurică, A. M.; Muntean, M.; Bungărdean, R. M.; Gheban, D.; Moldovan, B.; Katona, G.; **David, L.**; Florea, A.; Filip, G. A.
“Effects of gold nanoparticles phytoextracted with rutin in an early rat model of diabetic retinopathy

- and cataracts”
Metabolites, **2023**, *13*, 955 (IF=3.7)
31. Bidian, C.; Filip, G. A.*; **David, L.**; Florea, A.; Moldovan, B.; Popa Robu, D.; Olteanu, D.; Radu, T.; Clichici, S.; Mitrea, D.-R.; Baldea, I.
 “The impact of silver nanoparticles phytosynthesized with *Viburnum opulus L.* extract on the ultrastructure and cell death in the testis of offspring rats”
Food Chem. Toxicol., **2021**, *150*, 112053 (IF= 3.5)
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 “Cornelian cherry (*Cornus mas*) fruit extract administration in sleep deprived Wistar rats - friend or foe?”
Biology, **2025**, *14*, 1341 (IF = 3.5)
 33. Opris, D.; Grosu, I.*; Toupet, L.; Plé, G.; Terec, A.; Mager, S.; **Muntean, L.**
 “Synthesis and Stereochemistry of New tetraspiro-1,3-dioxanes”
J. Chem. Soc. Perkin Trans. 1, **2001**, 2413-2420 (*Org. Biomol. Chem.*, IF = 2.8)
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J. Chem. Soc. Perkin Trans. 1, **2000**, 3635-3639 (*Org. Biomol. Chem.*, IF = 2.8)
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Photodiagnosis Photodyn. Ther., **2020**, *30*, 101656 (IF = 2.6)
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 “Bioactive Flavonoids from *Cornus Mas L.* Fruits”
Mini-Rev. Org. Chem., **2017**, *14*, 489-495 (IF = 2.3)
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 “Study of the antioxidant property variation of Cornelian cherry fruits during storage using HPTLC and spectrophotometric assays”
J. Anal. Methods Chem., **2016**, Article ID 2345375 (IF = 2.2)
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 “Synthesis, Stereochemistry and Ring-chain Tautomerism of Some New Spiro-1,3-oxathianes”
Tetrahedron, **2001**, *57*, 8751-8758 (IF = 2.2)
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Struct. Chem., **2005**, *16*, 369-377 (IF = 2.2)
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Monatsh. Chem., **2000**, 131, 975-983 (IF = 1.9)
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Rev. de Chim., **2012**, 63, 463-464 (ultimul factor de impact IF = 1.755)
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J. Physiol. Pharmacol., **2020**, 71, 201-212 (IF = 1.7)
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Het. Commun., **2002**, 8, 35-38 (IF = 1.5)
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Het. Commun., **1996**, 2, 423-43 (IF = 1.5)
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Tetrahedron Lett., **2019**, 60, 335-340 (IF = 1.5)
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 “Ring-Chain Tautomerism in Spiro-1,3-oxathianes”
Tetrahedron Lett., **2000**, 41, 1967 (IF = 1.5)
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 “The evaluation and authentication of red fruits teas by high performance thin-layer chromatography fingerprinting”
J. Liq. Chromatogr., **2014**, 37, 1644-1653 (IF = 1.2)
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 “Effects of storage temperature on the total phenolic content of Cornelian cherry (*Cornus mas L.*) fruits extracts”
J. Appl. Bot. Food Qual., **2016**, 89, 208-211 (IF = 0.7)

Nr lucrare	Punctaje				OBS
	FIC 100 pct	FIC _D 70 pct	FIC _A 50 pct	FIC _{AC} 25 pct	
1.	6.6	6.6	6.6	-	
2.	6.6	6.6	-	-	
3.	6.6	6.6	6.6	-	
4.	6.0	6.0	-	-	
5.	6.0	6.0	6.0	-	
6.	6.0	6.0	-	-	
7.	6.0	6.0	6.0	6.0	
8.	5.8	5.8	-	-	
9.	5.8	5.8	-	-	

10.	5.6	5.6	-	-	
11.	5.6	5.6	5.6	-	
12.	5.3	-	-	-	
13.	5.1	5.1	5.1	5.1	
14.	5.1	5.1	5.1	5.1	
15.	4.8	-	-	-	
16.	4.6	4.6	4.6	4.6	
17.	4.6	4.6	4.6	4.6	
18.	4.6	4.6	-	-	
19.	4.3	4.3			
20.	4.3	4.3	-	-	
21.	4.3	4.3	-	-	
22.	4.3	4.3	-	-	
23.	4.3	4.3	4.3	-	
24.	4.3	4.3	4.3	4.3	
25.	4.0	4.0	4.0	4.0	
26.	3.9	3.9	3.9	3.9	
27.	3.9	3.9	-	-	
28.	3.9	3.9	-	-	
29.	3.7	-	-	-	
30.	3.7	3.7	-	-	
31.	3.5	3.5	-	-	
32.	3.5	-	-	-	
33.	2.8	-	-	-	
34.	2.8	-	-	-	
35.	2.6	-	-	-	
36.	2.3	2.3	2.3	2.3	
37.	2.2	-	-	-	
38.	2.2	-	-	-	
39.	2.2	2.2	-	-	
40.	1.9	-	-	-	
41.	1.9	-	-	-	
42.	1.9	-	-	-	
43.	1.7	-	-	-	
44.	1.7	1.7	1.7	1.7	
45.	1.5	-	-	-	
46.	1.5	-	-	-	
47.	1.5	-	-	-	
48.	1.5	-	1.5	-	
49.	1.2	1.2	1.2	-	
50.	0.7	-	0.7	0.7	
TOTAL realizat	190.7	146.7	74.1	42.3	
Criterii minimale CNATDCU	100	70	50	25	
H index realizat		21	23	21	
Sursa		Web of Science	Google Scholar	Scopus	
Criteriu minimal CNATDCU		13			

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