



## ANEXA 2a

## STANDARDE MINIMALE PE DOMENII PENTRU FUNCȚII DE CERCETARE

perioadă nedeterminată

FACULTATEA	FUNCȚIA DE CERCETARE	
	CERCETĂTOR ȘTIINȚIFIC III	
	Standard minimal	Articole
	- 6 articole științifice publicate <i>in extenso</i> în reviste internaționale, din care 3 autor principal în reviste cotate ISI cu factor de impact;	<p>1. Stoleru, V., Mangalagiu, I., Amăriucăi-Mantu, D., Teliban, G.-C., Cojocaru, A., Rusu, O.-R., <b>Burducea</b>, M., Mihalache, G., Rosca, M., Caruso, G., Sekara, A.M., Jităreanu, G. Enhancing the Nutritional Value of Sweet Pepper through Sustainable Fertilization Management. <i>Frontiers in Nutrition</i>, 2023, 1264999</p> <p>2. Barbacariu, C.-A.; Rimbu, C.M.; <b>Burducea</b>, M.; Dirvariu, L.; Miron, L.-D.; Boiangiu, R.S.; Dumitru, G.; Todirascu-Ciornea, E. Comparative Study of Flesh Quality, Blood Profile, Antioxidant Status, and Intestinal Microbiota of European Catfish (<i>Silurus glanis</i>) Cultivated in a Recirculating Aquaculture System (RAS) and Earthen Pond System. <i>Life</i> 2023, 13, 1282.</p> <p>3. Rusu, O.-R.; Mangalagiu, I.; Amăriucăi-Mantu, D.; Teliban, G.-C.; Cojocaru, A.; <b>Burducea</b>, M.; Mihalache, G.; Roșca, M.; Caruso, G.; Sekara, A.; et al. Interaction Effects of Cultivars and Nutrition on Quality and Yield of Tomato. <i>Horticulturae</i> 2023, 9, 541. <a href="https://doi.org/10.3390/horticulturae9050541">https://doi.org/10.3390/horticulturae9050541</a></p> <p>4. Popescu, S.M.; Zheljazkov, V.D.; Astatkie, T.; <b>Burducea</b>, M.; Termeer, W.C. Immobilization of Pb in Contaminated Soils with the Combination Use of Diammonium Phosphate with Organic and Inorganic Amendments. <i>Horticulturae</i> 2023, 9, 278. <a href="https://doi.org/10.3390/horticulturae9020278">https://doi.org/10.3390/horticulturae9020278</a></p> <p>5. Burducea, I.; Burducea, C.; Mereuta, P.-E.; Sirbu, S.-R.; Iancu, D.-A.; Istrati, M.-B.; Straticiu, M.; Lungoci, C.; Stoleru, V.; Teliban, G.-C.; Robu, T.; <b>Burducea</b>, M.; nastuta, A.V. Helium Atmospheric Pressure Plasma Jet Effects on Two Cultivars of Triticum aestivum L. <i>Foods</i> 2023, 12, 208. <a href="https://doi.org/10.3390/foods12010208">https://doi.org/10.3390/foods12010208</a></p> <p>6. Teliban, G.-C.; <b>Burducea</b>, M.; Mihalache, G.; Zheljazkov, V.D.; Dincheva, I.; Badjakov, I.; Popa, L.-D.; Bodale, I.; Vlăduț, N.-V.; Cojocaru, A.; et al. Morphological, Physiological and Quality Performances of Basil Cultivars under Different Fertilization Types. <i>Agronomy</i> 2022, 12, 3219. <a href="https://doi.org/10.3390/agronomy12123219">https://doi.org/10.3390/agronomy12123219</a></p> <p>7. Barbacariu, C.-A.; Rimbu, C.M.; Dirvariu, L.; <b>Burducea</b>, M.; Boiangiu, R.S.; Todirascu-Ciornea, E.; Dumitru, G. Evaluation of DDGS as a Low-Cost Feed Ingredient for Common Carp (<i>Cyprinus carpio</i> Linneus) Cultivated in a Semi-Intensive System. <i>Life</i> 2022, 12, 1609. <a href="https://doi.org/10.3390/life12101609">https://doi.org/10.3390/life12101609</a></p> <p>8. Stoleru, V.; Vitanescu, M.; Teliban, G.-C.; Cojocaru, A.; Vlase, L.; Gheldiu, A.-M.; Mangalagiu, I.; Amăriucăi-Mantu, D.; <b>Burducea</b>, M.; Zheljazkov, V.; et al. Phytosterol and Polyphenol</p>



	<p>Contents and Quinoa Leave Yields Variation in Relationships to Variety, Density and Harvesting Date. <i>Agronomy</i> 2022, 12, 2397.</p> <p>9. <b>Burducea</b>, M.; Dincheva, I.; Dirvariu, L.; Oprea, E.; Zheljazkov, V.D.; Barbacariu, C.-A. Wheat and Barley Grass Juice Addition to a Plant-Based Feed Improved Growth and Flesh Quality of Common Carp (<i>Cyprinus carpio</i>). <i>Animals</i> 2022, 12, 1046. <a href="https://doi.org/10.3390/ani12081046">https://doi.org/10.3390/ani12081046</a></p> <p>10. <b>Burducea</b>, M.; Lobiuc, A.; Dirvariu, L.; Oprea, E.; Olaru, S.M.; Teliban, G.-C.; Stoleru, V.; Poghirc, V.A.; Cara, I.G.; Filip, M.; et al. Assessment of the Fertilization Capacity of the Aquaculture Sediment for Wheat Grass as Sustainable Alternative Use. <i>Plants</i> 2022, 11, 634.</p> <p>11. <b>Burducea</b>, M., Ardelean, M., Popa, C., Lobiuc, A., Marti, T.D., Barbacariu, C.-A. Biosolids' use influences the synthesis of phenolic compounds and the antioxidant activity of basil extracts for phytopharmacological purposes. <i>Farmacia</i>. 70(1), 115-121.</p> <p>12. Popa, L.-D., Buburuz, A.-A., Troțuș, E., Vlăduț, N.-V., Teliban, G.-C., Agapie, A.L., Puiu, I., <b>Burducea</b>, M., Melucă, C., Pintilie, P.-L., Matei G. Recent progress in monoecious hemp variety for seed, obtained in Romania. <i>Romanian Agricultural Research</i>. 2022. 39. 187-194.</p> <p>13. Teliban, G.-C., Stoleru, V., Birescu, G., Mihalache, G., <b>Burducea</b>, M., Munteanu, N., Țopa, D., Gheorghe, M., Rădeanu, G., Popa, L.-D., Vlăduț N.-V. The response of runner bean crop to irrigation and fertilization. <i>Romanian Agricultural Research</i>. 2022. 39. 269-281.</p> <p>14. Barbacariu, C.-A.; <b>Burducea</b>, M.; Dîrvariu, L.; Oprea, E.; Lupu, A.-C.; Teliban, G.-C.; Agapie, A.L.; Stoleru, V.; Lobiuc, A. Evaluation of Diet Supplementation with Wheat Grass Juice on Growth Performance, Body Composition and Blood Biochemical Profile of Carp (<i>Cyprinus carpio</i> L.). <i>Animals</i> 2021, 11, 2589. <a href="https://doi.org/10.3390/ani11092589">https://doi.org/10.3390/ani11092589</a></p> <p>15. Teliban, G.-C.; <b>Burducea</b>, M.; Zheljazkov, V.D.; Dincheva, I.; Badjakov, I.; Munteanu, N.; Mihalache, G.; Cojocaru, A.; Popa, L.-D.; Stoleru, V. The Effect of Myco-Biocontrol Based Formulates on Yield, Physiology and Secondary Products of Organically Grown Basil. <i>Agriculture</i> 2021, 11, 180.</p> <p>16. Cojocaru, A.; Vlase, L.; Munteanu, N.; Stan, T.; Teliban, G.C.; <b>Burducea</b>, M.; Stoleru, V. Dynamic of Phenolic Compounds, Antioxidant Activity, and Yield of Rhubarb under Chemical, Organic and Biological Fertilization. <i>Plants</i> 2020, 9, 355. <a href="https://doi.org/10.3390/plants9030355">https://doi.org/10.3390/plants9030355</a></p> <p>17. Teliban, G.-C.; Stoleru, V.; <b>Burducea</b>, M.; Lobiuc, A.; Munteanu, N.; Popa, L.-D.; Caruso, G. Biochemical, Physiological and Yield Characteristics of Red Basil as Affected by Cultivar and Fertilization. <i>Agriculture</i> 2020, 10, 48. <a href="https://doi.org/10.3390/agriculture10020048">https://doi.org/10.3390/agriculture10020048</a></p> <p>18. Semerdjieva, I.B.; <b>Burducea</b>, M.; Astatkie, T.; Zheljazkov, V.D.; Dincheva, I. Essential Oil Composition of <i>Ruta graveolens</i> L. Fruits and <i>Hyssopus officinalis</i> Subsp. <i>aristatus</i> (Godr.) Nyman Biomass as a Function of Hydrodistillation Time. <i>Molecules</i> 2019, 24, 4047.</p> <p>19. <b>Burducea</b>, M.; Lobiuc, A.; Asandulesa, M.; Zaltariov, M.-F.; Burducea, I.; Popescu, S.M.; Zheljazkov, V.D. Effects of Sewage</p>
--	--



		<p>Sludge Amendments on the Growth and Physiology of Sweet Basil. <i>Agronomy</i> 2019, 9, 548.</p> <p>20. <b>Burducea</b> M., Zheljazkov V.D., Lobiuc A., Pintilie C., Virgolici M., Silion M., Asandulesa M., Burducea I., Zamfirache, M. Biosolids application improves mineral composition and phenolic profile of basil cultivated on eroded soil. <i>Scientia Horticulturae</i>, Volume 249, Pages 407-418, 2019</p> <p>21. Pedro Palencia García, F Martínez, <b>M Burducea</b>, D Sánchez Rodas, I Giráldez. Effects of Se-enrichment on plant growth and fruit quality of strawberry. 2019. <i>Acta Horticulturae</i>, 1256</p> <p>22. Gianluca, C., Stoleru, V., Muntean, N., Sellitt, V.M., Teliban, G-C., <b>Burducea</b>, M., TenU, I., Morano, G., Butnariu, M. Quality Performances of Sweet Pepper under Farming Management. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i>. Volume 47(2), Pages 458-464, year 2019,</p> <p>23. <b>Burducea</b>, M., Zheljazkov, V.D., Dincheva, I., Lobiuc, A., Teliban, G-C., Stoleru, V., Zamfirache, M-M. Fertilization modifies the essential oil and physiology of basil varieties. <i>Industrial crops and products</i>, Volume 121, Pages 282-293, year 2018</p> <p>24. Onofrei, V., Benchennouf, A., Jancheva, M., Loupassaki, S., Ouaret, W., <b>Burducea</b>, M., Lobiuc, A., Teliban, G-C., Robu, T. Ecological foliar fertilization effects on essential oil composition of sweet basil (<i>Ocimum basilicum</i> L.) cultivated in a field system. <i>Scientia Horticulturae</i>, Volume 239, Pages 104-113</p> <p>25. Onofrei, V., Teliban, G-C., <b>Burducea</b>, M., Lobiuc, A., Sandu, C.B., Tocai, M., Robu, T. Organic foliar fertilization increases polyphenol content of <i>Calendula officinalis</i> L. <i>Industrial crops and products</i>, Volume 109 Pages 509-513, year 2017</p> <p>26. Lobiuc, A.; Vasilache, V.; Oroian, M.; Stoleru, T.; <b>Burducea</b>, M.; Pintilie, O.; Zamfirache, M.-M. Blue and Red LED Illumination Improves Growth and Bioactive Compounds Contents in Acanthaceae and Cyanic <i>Ocimum basilicum</i> L. <i>Microgreens. Molecules</i> 2017, 22, 2111.</p> <p>27. Onofrei, V., <b>Burducea</b>, M., Lobiuc, A., Teliban, G-C., Ranghiuc, G., Robu, T. Influence of organic foliar fertilization on antioxidant activity and content of polyphenols in <i>Ocimum basilicum</i> L. <i>Acta Poloniae Pharmaceutica – Drug Research</i>, Vol. 74 No. 2 pp. 611–615, 2017</p> <p>28. Palencia, P., Martinez, F., <b>Burducea</b>, M., Oliveira, J.A., Giralde, I. Efectos del enriquecimiento con selenio en SPAD, calidad de la fruta y parámetros de crecimiento de plantas de fresa en un sistema de cultivo sin suelo. <i>Rev. Bras. Frutic.</i> 38 (1).</p>
	- Membru în echipa a două proiecte de cercetare finanțare obținută prin competiție	<ol style="list-style-type: none"><li>1. Membru proiect: PN – III – P2-2.1-PED-2021-4380- light controlled cultivation of sprouts and microgreens with high phenolic contents. 2022-2024. Director vasile Stoleru. 7 membri, valoare 186590 lei.</li><li>2. <b>Membru proiect: Înființarea unui centru de consiliere pentru fermele de acvacultură la SCDAEA Iași.</b> Nr. contract de finanțare 322/4.10.2019, Cod apel: 565/2/1/129328. Programul operațional pentru pescuit și afaceri maritime 2014–2020 (POPAM). Măsura II.5 litera a: Crearea de servicii de gestionare, de înlocuire și de consiliere pentru</li></ol>



		<p>fermele de acvacultură. Valoare proiect 553976,16 lei. Membrii proiect 7 persoane.</p> <p>3. Proiect 713/31.10.2018, cod PN-III-P1-1.1- MC-2018-2702, cu valoarea de 8.250,00 lei, tip proiect „Proiecte de mobilitate pentru cercetători</p> <p>4. Proiect: Contract de finanțare nr. 560/18.12.2017, cod PN-III-P1-1.1- MC-2017-2532, cu valoarea de 22.000,00 lei, tip proiect „Proiecte de mobilitate pentru cercetători</p> <p>5. Proiect: Programul Fonduri SEE 2014-2021 (Fond Bilateral), tip proiect „Proiecte de mobilitate”, cod RO-NO-MG-2019-0178, cu valoare de 5.701,80 lei</p>
--	--	---

18.12.2023

dr. Marian Burducea