ИНСТИТУТ ЗА РАТАРСТВО И ПОВРТАРСТВО
ИНСТИТУТ ОД НАЦИОНАЛНОГ ЗНАЧАЈА ЗА РЕПУБЛИКУ СРБИЈУ
НОВИ САД

ИЗВЕШТАЈ О НАУЧНОМ ДОПРИНОСУ

др Драгане Латковић
редовног професора

Нови Сад, 2025.

НАУЧНОМ ВЕЋУ
ИНСТИТУТА ЗА РАТАРСТВО И ПОВРТАРСТВО,
ИНСТИТУТ ОД НАЦИОНАЛНОГ ЗНАЧАЈА ЗА РЕПУБЛИКУ СРБИЈУ
НОВИ САД

Извештај комисије за избор др Драгане Латковић у научно звање научни саветник

На 46. седници Научног већа Института за ратарство и повртарство, Института од националног значаја за Републику Србију одржаној 23. октобра 2025. године именовани смо у комисију за избор др Драгане Латковић у научно звање научни саветник (Одлука бр. 16-76/4525-1).

Прегледом материјала који нам је достављен, као и на основу увида у научни рад и публикације др Драгане Латковић, Научном већу Института за ратарство и повртарство, Института од националног значаја за Републику Србију подносимо овај извештај.

1. ПОДАЦИ О КАНДИДАТУ

Име и презиме: Драгана Латковић
Година рођења: 1967.
Радни статус: запослена
Назив институције у којој је запослен: Институт за ратарство и повртарство, Институт од националног значаја за Републику Србију
Претходна запослења: Пољопривредни факултет Универзитета у Новом Саду

Образовање
Основне академске студије: 1985-1990. године, Факултет пољопривредних знаности Свеучилишта у Загребу
Одбрањен мастер или магистарски рад: 2002. година, Пољопривредни факултет Универзитета у Новом Саду
Одбрањена докторска дисертација: 2010. година, Пољопривредни факултет Универзитета у Новом Саду

Постојеће научно звање: нема, кандидаткиња је има наставно звање редовни професор
Научно звање које се тражи: научни саветник

Датуми избора у стечена научна звања (укључујући и постојеће)
нема, кандидаткиња је стекла наставно звање редовни професор 2021. године

Област науке у којој се тражи звање: Биотехничке науке
Грана науке у којој се тражи звање: Пољопривреда
Научна дисциплина у којој се тражи звање: Ратарство и повртарство
Назив матичног научног одбора којем се захтев упућује: МНО за биотехнологију и пољопривреду

Стручна биографија
Др Драгана Латковић, редовни професор, рођена је 20.01.1967. године у Вођеници, општина Босански Петровац. Дипломирала је 1990. године на Факултету пољопривредних знаности Свеучилишта у Загребу, а на Пољопривредном факултету Универзитета у Новом Саду је магистрирала 2002. и докторирала 2010. године на тему "Изношење NPK хранива приносом кукуруза у зависности од варијанте ђубрења азотом". Изабрана је за асистента приправника на Факултету пољопривредних знаности Свеучилишта у Загребу 1991. године, а за стручног сарадника у Институту за ратарство и повртарство Пољопривредног факултета Универзитета у Новом Саду 1992. године. Затим је на истом факултету изабрана за асистента приправника 1996, асистента 2002, доцента 2010, ванредног професора 2015. и редовног професора за ужу научну област Ратарство и повртарство 2021. године. Била је директор Департмана за ратарство и повртарство Пољопривредног факултета Универзитета у Новом Саду у периоду 2012-2021. година, члан Управног одбора Института за земљиште Београд у периоду 2012-2023. година. Члан је Савета Пољопривредног факултета Универзитета у Београду од 2023. године.

У Институту за ратарство и повртарство била је председник Управног одбора у периоду 2021-2024. година и вршилац дужности директора 2024-2025. године, а именована је за директора 06.05.2025. године. Др Драгана Латковић је била на већем броју студијских боравака у Немачкој, Румунији, Италији, Хрватској, Мађарској, Русији, Швајцарској и Пољској. Узела је учешће на 4 међународна пројекта и 13 националних пројеката, од којих је била руководилац на једном ИПА пројекту и два покрајинска пројекта. Члан је Друштва за физиологију биљака Србије, Друштва за проучавање земљиште Србије и Европског агрономског друштва (ESA). Била је ментор на две докторске дисертације и седам мастер радова, као и ментор на великом броју дипломских радова.

2. ПРЕГЛЕД НАУЧНЕ АКТИВНОСТИ

Агротехника гајења кукуруза - методолошки приступ: Експериментална истраживања у пољским условима (вишегодишњи стационарни пољски огледи, микрогледи и производни макрогледи), уз примену савремених агротехничких протокола и напредних биометричких метода статистичке обраде података (ANOVA, регресиона и корелациона анализа). Синтетички преглед: Истраживачка активност усмерена је на дефинисање специфичних захтева нових генотипова кукуруза према агроеколошким условима. Тежиште рада је на оптимизацији вегетационог простора (густине сетве), време сетве (различита толерантност генотипа према року сетве) и система минералне исхране (нивои и форме НПК ђубрива) ради постизања максималног генетског потенцијала родности. Посебан допринос огледа се у истраживању реакције хибрида различитих ФАО група зрења на абиотички стрес (сушу) и идентификацији агротехничких мера за повећање ефикасности искоришћавања азота (NUE), чиме се директно утиче на стабилност приноса и економску ефикасност производње. Један део истраживања усмерен је на креирање технологије гајења кукуруза на лошијим типовима земљишта (псеудоглеј) који је нарочито заступљен у западној и централној Србији.

Агротехника гајења алтернативних ратарских култура - методолошки приступ: Компаративна пољска истраживања, фенотипска карактеризација и производни огледи, уз анализу интеракције генотип × спољна средина × агротехника. Ова истраживања раде се пре свега на сирку и конопљи. Синтетички преглед: Истраживања су фокусирана на ревитализацију и унапређење технологије гајења индустријске конопље (*Cannabis sativa* L.) и других алтернативних нивских биљака. Рад обухвата дефинисање оптималних рокова сетве, норми ђубрења и склопа за дуалну намену (производња зрна и влакна/стабла). Резултати истраживања пружају научну основу за поновно увођење ових култура у интензивни систем ратарења, доприносећи повећању агробиодиверзитета и развоју одрживих система гајења отпорнијих на климатске промене.

Едукација пољопривредника и трансфер знања - методолошки приступ: Примењена истраживања на демонстрационим пољима, партиципативни метод (сарадња са произвођачима) и директна дисеминација резултата. Синтетички преглед: Овај сегмент рада представља кључну карику у ланцу "од науке до њиве". Активност кандидата огледа се у креирању и имплементацији модела за брз и ефикасан трансфер најновијих научних достигнућа у производну праксу. Кроз организацију стручних скупова, публиковање технолошких упутстава и директан рад на терену, истраживач ради на подизању нивоа знања примарних пољопривредних произвођача, промовишући примену добре пољопривредне праксе, дигиталних алата и нових сортимента, што резултира мерљивим унапређењем технолошког нивоа производње у региону.

3. ПРИКАЗ НАЈЗНАЧАЈНИЈИХ РЕЗУЛТАТА

Viskovic, J., Zheljazkov, VD., Sikora, V., Noller, J., Latkovic, D., Ocamb, CM., Koren, A. (2023). Industrial Hemp (Cannabis sativa L.) Agronomy and Utilization: A Review. In *AGRONOMY-BASEL* (Vol. 13, Issue3). MDPI. https://doi.org/10.3390/agronomy13030931

Рад представља свеобухватан преглед агрономских карактеристика и могућности употребе индустријске конопље за различите намене (Cannabis sativa L.). Аутори истичу историјски значај ове културе и указују на њену поновну експанзију услед тренутне растуће потражње за одрживим биљним ресурсима. Посебан акценат стављен је на кључне агротехничке аспекте производње, као што су избор сорти, ђубрење, управљање водним режимом и заштита од болести, штеточина и корова. Истовремено, истичу се значајне еколошке предности конопље, укључујући брз раст, висок принос биомасе и потенцијал за фиторемедијацију. Рад даје преглед широког спектра примене – од производње влакана, семена и уља, до употребе у биоматеријалима, биогоривима и прехрамбеној индустрији. Закључно, аутори наглашавају

потребу за интензивирањем научних истраживања и унапређењем регулативе ради пуне валоризације економског и еколошког потенцијала ове перспективне културе. Овај рад, као и многи касније, настали су као резултат сарадње са Oregon State University где је колегиница мастер инж. Јелена Висковић (асистент проф. др Драгане Латковић) и докторирала на конопљи. Ова сарадња је била и још увек је изузетно добра из разлога што су се овде у Србији постављали огледи са конопљом, урађене су бројне анализе земљишта, влакна, семена, уља, али је значајан број узорака урађен и у Америци.

Dahlberg, J., Berenji, J., Sikora, V., Latkovic, D. (2011). Assessing sorghum [Sorghum bicolor (L) Moench] germplasm for new traits: food, fuels & unique uses. In *MAYDICA*, 56(2): 165-172.
Овај рад обрађује значај сирка, који се код нас сматра алтернативном биљном врстом, међутим у светским размерама ово је врло значајна биљна врста која ће у будућности имати све већи значај због климатских промена. Сирак спада у просолика жита, као и кукуруз, пореклом је из Етиопије и у односу на кукуруз је толерантнији на стресне услове (високе дневне и ноћне температуре, мањак падавина током вегетације, подноси лошија земљишта и др). Као и кукуруз, има велики привредни, агрономски и агротехнички значај јер се од ове биљке на директан или индиректан начин може добити јако велики број производа. Овај рад настао је у сарадњи са колегом др Дахлбергом који се двадест година бавио селекцијом сирка и размењивао искуства са колегама из Института за ратарство и повртарство. Допринос др Драгане Латковић је у чињеници да се једина од аутора бави технологијом гајења и да је у том сегменту допринела квалитету овог рада.

Milic, S., Ninkov, J., Zeremski, T., Latkovic, D., Seremesic, S., Radovanovic, V., Zarkovic, B. (2019). Soil fertility and phosphorus fractions in a calcareous chernozem after a long-term field experiment. In GEODERMA, 339: 9-19. https://doi.org/10.1016/j.geoderma.2018.12.017
Значај и вредност овог рада је што резултати потичу са вишегодишњег стационарног пољског огледа – монокултура кукуруза који је заснованн још 1965. године и што се након толиког временског периода заиста могу утврдити и на правилан начин презентовати разни показатељи, а у овом раду су приказани резултати приступачности различитих фракција фосфора у зависности од различитих варијанти ђубрења. Поред контролне варијанте, присутне су варијанте са различитим количинама азота и варијанте где се заоравају жетвени остаци и где се примењује стајњак. Поред приноса различитих хибрида кукуруза, праћени су и разни показатељи везани за кретање хранива (фосфора) како у земљишту, тако и биљном материјалу. Др Драгана Латковић је агротехничар на кукурузу и од 1992. године водила је овај оглед, на коме је и магистрирала, написала велики број радова управо на основу резултата овог огледа и урадила са студентима велики број дипломских радова.

Latkovic, D., Maksimovic, J., Dinic, Z., Pivic, R., Stanojkovic, A., Stanojkovic-Sebic, A. (2020). Case Study upon Foliar Application of Biofertilizers Affecting Microbial Biomass and Enzyme Activity in Soil and Yield Related Properties of Maize and Wheat Grains. In BIOLOGY-BASEL, 9(12): 452. https://doi.org/10.3390/biology9120452
Резултати овог рада потичу са вишегодишњег стационарног пољског огледа који је заснован још 1954. године, а третмани и анализа података рађена је у сарадњи са колегама из Института за земљиште, Београд. Да би се пратила микробиолошка и ензиматска активност у зависности од фолијарне примене биођубрива потребни су вишегодишљи огледи, велики број различитих варијанти ђубрења и више биљних врста да би се утврдило као се одређени параметри одражавају на принос и квалитет зрна, пре свега пшенице и кукуруза, мада су праћени и резулрати на сунцокрету и шећерној репи. Биођубрива све више налазе примену у пољопривредној производњи и овај сегмент технологије гајења ратарских и повртарских биљних врста тек има будућност, поготово у данашњој ери дронова и прецизне пољопривреде када се уз биођубрива могу комбиновати и одређена заштттна средства, штеди се време, не гази се земљиште и све је брже и ефикасније.

Visković, J., Sikora, V., Latković, D., Zeremski, T., Dunđerski, D., Astatkie, T., Noller, J. S., Zheljazkov, V. (2024). Optimization of hemp production technology for fiber and seed. Industrial Crops and Products, Elsevier, 219, 119127. https://doi.org/10.1016/j.indcrop.2024.119127.
Рад се бави истраживањем оптимизације технологије производње индустријске конопље за добијање влакна и семена кроз испитивање утицаја сорте, времена сетве и међуредног размака. Двогодишњи пољски оглед у Србији показао је да ужи међуредни размак значајно повећава висину биљака и садржај влакана, док шири размак повећава дебљину стабла. Интеракције истраживаних фактора показале су да оптимална технологија зависи од примене - производња влакна или семена. Добијени резултати

омогућавају формулисање прецизнијих агрономских препорука за унапређење комерцијалне производње конопље.

Visković, J., Dunđerski, D., Adamović, B., Jaćimović, G., Latković, D., Vojnović, Đ. (2024). Toward an Environmentally Friendly Future: An Overview of Biofuels from Corn and Potential Alternatives in Hemp and Cucurbits. Agronomy, Basel: MDPI, 14(6), 1195.
https://doi.org/10.3390/agronomy14061195.
Рад пружа свеобухватан преглед производње биогорива из кукуруза, са фокусом на енергетску ефикасност, еколошки утицај и одрживост. Истичу се кључне предности и ограничења кукуруза као сировине, посебно у погледу потрошње земљишта, воде и енергије. Поређењем са алтернативним културама – индустријском конопљом и биљкама из породице тикви (cucurbits) – аутори истичу да ове биљке имају значајан потенцијал за добијање биогорива уз мање еколошко оптерећење. Конопља се истиче високим приносом биомасе и мањим захтевима у погледу агротехнике, док тикве нуде могућност искоришћавања семена и биомасе за различите типове биогорива. Такође, рад наглашава потребу за преласком на одрживије, еколошки прихватљивије изворе биогорива, уз даљи развој технологија и оптимизацију производње алтернативних култура. Овај рад настао је заједничким трудом младих колега са Департмана за ратарство и повртарство, а под патронатом проф. др Драгане Ластковић и проф. др Горана Јаћимовића чији су асустенти на предмету др Јелена Висковић и др Душан Дунђерски.

4. ПОКАЗАТЕЉИ УСПЕХА У НАУЧНОИСТРАЖИВАЧКОМ РАДУ

4.1. Утицајност

Др Драгана Латковић је до сада остварила укупно 498 цитата у бази Web of Science, док у бази Scopus има укупно 602 цитата. У обе бази је вредност њеног h-индекса 11. Према доњем прегледу цитираности радова са преко 20 укупних цитата из базе Web of Science, кандидаткиња је остварила 400 цитата без аутоцитата, што превазилази услов за непосредни избор у звање научни саветник. **Кандидаткињин најцитиранији рад у бази Web of Science (први на доњем списку) је у мају/јуну 2025. године сврстан у 1% најцитиранијих радова у области Пољопривредне науке (податак преузет са Essential Science Indicators).** Следи списак радова и цитираности који доказује испуњеност услова:

Viskovic, J., Zheljazkov, V.D., Sikora, V., Noller, J., Latkovic, D., Ocamb, CM., Koren, A. (2023). Industrial Hemp (Cannabis sativa L.) Agronomy and Utilization: A Review. In *AGRONOMY-BASEL* (Vol. 13, Issue3). MDPI. https://doi.org/10.3390/agronomy13030931
Овај рад има укупно 110 цитата у бази Web of Science, односно 105 цитата без аутоцитата:

Ahmadi, F., Kallinger, D., Starzinger, A., & Lackner, M. (2024). Hemp (Cannabis salvia L.) Cultivation: Chemical Fertilizers or Organic Technologies, a Comprehensive Review. In *NITROGEN* (Vol. 5, Issue 3, pp. 624–654). MDPI. https://doi.org/10.3390/nitrogen5030042

Ahmed, R., Manik, K. H., Nath, A., Shohag, J. R., Mim, J. J., & Hossain, N. (2025). Recent advances in sustainable natural fiber composites: Environmental benefits, applications, and future prospects. In *MATERIALS TODAY SUSTAINABILITY* (Vol. 32). ELSEVIER. https://doi.org/10.1016/j.mtsust.2025.101220

Al-Khazaleh, A. K., Zhou, X., Bhuyan, D. J., Munch, G. W., Al-Dalabeeh, E. A., Jaye, K., & Chang, D. (2024). The Neurotherapeutic Arsenal in Cannabis sativa: Insights into Anti-Neuroinflammatory and Neuroprotective Activity and Potential Entourage Effects. In *MOLECULES* (Vol. 29, Issue 2). MDPI. https://doi.org/10.3390/molecules29020410

Allay, A., Ben Moumen, A., Rbah, Y., Fauconnier, M.-L., Nkengurutse, J., Caid, H. S., Elamrani, A., & Mansouri, F. (2025). Effect of screw pressing temperature on yield, bioactive compounds, and quality of hemp (Cannabis sativa L.) seed oil. In *JOURNAL OF CANNABIS RESEARCH* (Vol. 7, Issue 1). BMC. https://doi.org/10.1186/s42238-025-00296-6

Ansari, O., De Prato, L., & Slaski, J. (2025). A photoperiod-based classification of industrial hemp (Cannabis sativa L.) and its agronomic implications. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 233). ELSEVIER. https://doi.org/10.1016/j.indcrop.2025.121431

Apetroaei, V. T., Pricop, E. M., Istrati, D. I., & Vizireanu, C. (2024). Hemp Seeds (Cannabis sativa L.) as a Valuable Source of Natural Ingredients for Functional Foods-A Review. In *MOLECULES* (Vol. 29, Issue 9). MDPI. https://doi.org/10.3390/molecules29092097

Axentii, M., & Codina, G. G. (2024). Exploring the Nutritional Potential and Functionality of Hemp and Rapeseed Proteins: A Review on Unveiling Anti-Nutritional Factors, Bioactive Compounds, and Functional Attributes. In *PLANTS-BASEL* (Vol. 13, Issue 9). MDPI. https://doi.org/10.3390/plants13091195

Basak, M., Broadway, M., Lewis, J., Starkey, H., Bloomquist, M., Peszlen, I., Davis, J., Lucia, L. A., & Pal, L. (2025). A Critical Review of Industrial Fiber Hemp Anatomy, Agronomic Practices, and Valorization into Sustainable

Bioproducts. In *BIORESOURCES* (Vol. 20, Issue 2). NORTH CAROLINA STATE UNIV DEPT WOOD & PAPER SCI. https://doi.org/10.15376/biores.20.2.Basak

Bok, G., Hahm, S., Shin, J., & Park, J. (2023). Optimizing Indoor Hemp Cultivation Efficiency through Differential Day-Night Temperature Treatment. In *AGRONOMY-BASEL* (Vol. 13, Issue 10). MDPI. https://doi.org/10.3390/agronomy13102636

Cafaro, V., Siracusa, L., Pulvirenti, L., Testa, G., Iurato, A., Cosentino, S. L., & Patane, C. (2025). Morphological and physiological response of hemp to different levels of water availability and salinity. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 236). ELSEVIER. https://doi.org/10.1016/j.indcrop.2025.121958

Caldwell, J., Colclasure, B. C., & Granberry, T. (2025). Challenges from the field: Experiences of first-year hemp farmers in Nebraska. In *RENEWABLE AGRICULTURE AND FOOD SYSTEMS* (Vol. 40). CAMBRIDGE UNIV PRESS. https://doi.org/10.1017/S1742170524000334

Cheng, X., Guo, L., Liu, C., Dong, M., Luo, Y., Tan, S., Zaman, Q. uz, Hayat, Z., El-Kahtany, K., Fahad, S., & Deng, G. (2024). Macronutrients dynamics in copper-contaminated soils: Implications for hemp growth and its phytoremediation potential. In *JOURNAL OF AGRICULTURE AND FOOD RESEARCH* (Vol. 18). ELSEVIER. https://doi.org/10.1016/j.jafr.2024.101299

Cojocariu, C. B., Pitrinjel, L., & Pop, G. (2024). The estimated suitability of land for hemp cultivation in the western region of Romania. In *PRESENT ENVIRONMENT AND SUSTAINABLE DEVELOPMENT* (Vol. 18, Issue 1, pp. 347–362). ALEXANDRU IOAN CUZA UNIV PRESS, Alexandru Ioan Cuza Univ Iasi. https://doi.org/10.47743/pesd2024181024

Compton, D. L., Pero, B. A., Radloff, G. H. C., Evangelista, R. L., Winkler-Moser, J. K., Kenar, J. A., Cermak, S. C., Appell, M., Evans, K. O., Wegener, E. C., Rheay, H. T., & Skory, C. D. (2025). Lipase-catalyzed transesterification of virgin and refined hemp seed oil with ferulic acid ethyl ester. In *JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY* (Vol. 102, Issue 2, pp. 199–211). WILEY. https://doi.org/10.1002/aocs.12849

Cortes, J. G., Ryu, B. R., Pauli, C., Barroso, L. R., & Park, S.-H. (2024). Industrial Applications of Hemp Fiber in Europe and Evolving Regulatory Landscape. In *JOURNAL OF NATURAL FIBERS* (Vol. 21, Issue 1). TAYLOR & FRANCIS INC. https://doi.org/10.1080/15440478.2024.2435047

Danielewicz, D. (2023). Industrial Hemp as a Potential Nonwood Source of Fibres for European Industrial-Scale Papermaking-A Review. In *MATERIALS* (Vol. 16, Issue 19). MDPI. https://doi.org/10.3390/ma16196548

Danilova, N., V., Glazunova, D. M., Babichuk, V. R., Kuryntseva, P. A., & Selivanovskaya, S. Yu. (2025). Carbon footprint of Cannabis saliva L. cultivation under elevated ambient temperature conditions. In *THEORETICAL AND APPLIED ECOLOGY* (Issue 2, pp. 167–174). LLC PUBLISHING HOUSE, KAMERTON. https://doi.org/10.25750/1995-4301-2025-2-167-174

Day, S., Kocak-Sahin, N., & Onol, B. (2024). Hemp Seed Priming via Different Agents to Alleviate Temperature Stress. In *JOURNAL OF AGRICULTURAL SCIENCES-TARIM BILIMLERI DERGISI* (Vol. 30, Issue 3, pp. 562–569). ANKARA UNIV, FAC AGRICULTURE. https://doi.org/10.15832/ankutbd.1391194

Deng, G., Zaman, Q. uz, Liu, C., Luo, Y., Xia, X., Guo, L., Sultan, K., He, X., Fahad, S., & Cheng, X. (2024). Phytoremediation of lead polluted mine soil by synergistic effect of chelating agents and nitrogen in hemp. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 222, Issue 3). ELSEVIER. https://doi.org/10.1016/j.indcrop.2024.119815

Dey, M., Bera, S., Tyagi, P., & Pal, L. (2025). Mechanisms and strategic prospects of cannabinoids use: Potential applications in antimicrobial food packaging-A review. In *COMPREHENSIVE REVIEWS IN FOOD SCIENCE AND FOOD SAFETY* (Vol. 24, Issue 1). WILEY. https://doi.org/10.1111/1541-4337.70113

Di Giacomo, S., Percaccio, E., Vitalone, A., Ingallina, C., Mannina, L., Macone, A., & Di Sotto, A. (2023). Characterization of the Chemopreventive Properties of Cannabis sativa L. Inflorescences from Monoecious Cultivars Grown in Central Italy. In *PLANTS-BASEL* (Vol. 12, Issue 22). MDPI. https://doi.org/10.3390/plants12223814

Dreger, M., Markiewicz, M., Deja, A., Szalata, M., Marat, M., Podwyszynska, M., & Slomski, R. (2025). Clonal propagation of hemp and assessment of genetic stability in long-term In Vitro culture. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 232). ELSEVIER. https://doi.org/10.1016/j.indcrop.2025.121242

Duangrin, M., Pisutpiched, S., Deenu, A., & Kamthai, S. (2024). Ultrasonic-assisted synthesis for the production of green and sustainable hemp carboxymethyl cellulose. In *INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES* (Vol. 280, Issue 1). ELSEVIER. https://doi.org/10.1016/j.ijbiomac.2024.135610

Dudziec, P., Warminski, K., & Stolarski, M. J. (2024). Industrial Hemp As a Multi-Purpose Crop: Last Achievements and Research in 2018-2023. In *JOURNAL OF NATURAL FIBERS* (Vol. 21, Issue 1). TAYLOR & FRANCIS INC. https://doi.org/10.1080/15440478.2024.2369186

Eidem, T., Nordgren, T., & Hernandez, M. (2024). Bioaerosol Exposures and Respiratory Diseases in Cannabis Workers. In *CURRENT ALLERGY AND ASTHMA REPORTS* (Vol. 24, Issue 7, pp. 395–406). CURRENT MEDICINE GROUP. https://doi.org/10.1007/s11882-024-01157-7

Ejaz, U., Khan, S. M., Khalid, N., Jehangir, S., Shah, S. F. A., & Svenning, J.-C. (2024). Elucidating the phytoremediation potentials and ecophysiological mechanisms of indicator plants in the industrial polluted region. In *JOURNAL OF ENVIRONMENTAL MANAGEMENT* (Vol. 366). ACADEMIC PRESS LTD- ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.jenvman.2024.121821

Enarevba, D. R., & Haapala, K. R. (2024). The Emerging Hemp Industry: A Review of Industrial Hemp Materials and Product Manufacturing. In *AGRIENGINEERING* (Vol. 6, Issue 3, pp. 2891–2925). MDPI. https://doi.org/10.3390/agriengineering6030167

Fernandes Junior, J. C., Brochado, M. G. da S., Rocha, S. B. F., & Mendes, K. F. (2025). Selectivity of herbicides applied in the post-emergence of industrial hemp (Cannabis sativa L.). In *JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART B-PESTICIDES FOOD CONTAMINANTS AND AGRICULTURAL WASTES* (Vol. 60, Issue 4, pp. 148–160). TAYLOR & FRANCIS INC. https://doi.org/10.1080/03601234.2025.2475647

Fiorito, D., Tessaro, D., Sangalli, F., Nobbio, C., Nebuloni, M., Vezzini, M., Brenna, E., & Parmeggiani, F. (2024). Valorisation of the industrial hemp residue from essential oil production by recovery of cannabidiol and chemo-enzymatic conversion to cannabielsoin. In *GREEN CHEMISTRY* (Vol. 26, Issue 9, pp. 5211–5220). ROYAL SOC CHEMISTRY. https://doi.org/10.1039/d4gc00415a

Hesami, M., Pepe, M., de Ronne, M., Najafabadi, M. Y., Adamek, K., Torkamaneh, D., & Jones, A. M. P. (2024a). Cannabis leaf arrangement: Transcriptome insights into Cannabis sativa phyllotactic regulation. In *PLANT PHYSIOLOGY REPORTS*. SPRINGERNATURE. https://doi.org/10.1007/s40502-024-00801-8

Hesami, M., Pepe, M., de Ronne, M., Najafabadi, M. Y., Adamek, K., Torkamaneh, D., & Jones, A. M. P. (2024b). Transcriptomic analysis reveals differential gene expression patterns during cannabis leaf morphogenesis and phase transition. In *BOTANY LETTERS* (Vol. 171, Issue 4, pp. 523–536). TAYLOR & FRANCIS LTD. https://doi.org/10.1080/23818107.2024.2400654

Iannucci, A., Beleggia, R., Galletti, S., Pecchioni, N., & Trono, D. (2024). Impact of Seed Inoculation with Trichoderma afroharzianum Strains on Plant Growth, Root Morphology, and Leaf Phenolic Content in Hemp (Cannabis sativa L.) at Early Growth Stages. In *AGRICULTURE-BASEL* (Vol. 14, Issue 4). MDPI. https://doi.org/10.3390/agriculture14040511

Ichim, M., Muresan, E. I., & Codau, E. (2024). Natural-Fiber-Reinforced Polymer Composites for Furniture Applications. In *POLYMERS* (Vol. 16, Issue 22). MDPI. https://doi.org/10.3390/polym16223113

Imran, M., Albadrani, G. M., Irshad, F., Jamal, M. A., Farooq, A., Irshad, A., & Hussain, S. (2025). Implications, challenges and prospects of industrial Hemp as a sustainable natural fiber in Pakistan: An overview. In *PLANT SCIENCE TODAY* (Vol. 12, Issue 3). HORIZON E-PUBLISHING GROUP. https://doi.org/10.14719/pst.3656

Judzentiene, A., Garjonyte, R., & Budiene, J. (2023). Phytochemical Composition and Antioxidant Activity of Various Extracts of Fibre Hemp (Cannabis sativa L.) Cultivated in Lithuania. In *MOLECULES* (Vol. 28, Issue 13). MDPI. https://doi.org/10.3390/molecules28134928

Kachel, M., Koszel, M., & Sokal, K. (2024). The Effect of Digestate on the Antioxidant Properties of Hemp Leaves (Cannabis sativa L). In E. Lorencowicz, B. Huyghebaert, & J. Uziak (Eds.), *FARM MACHINERY AND PROCESSES MANAGEMENT IN SUSTAINABLE AGRICULTURE, FMPMSA 2024* (Vol. 609, pp. 203–210). SPRINGER INTERNATIONAL PUBLISHING AG. https://doi.org/10.1007/978-3-031-70955-5_22

Kafle, S., Poudel, B., Gyawali, P., Bhattarai, D. R., Acharya, T. D., Acharya, R., Dhakal, S., Pradhan, P., & Adhikari, S. (2025). Industrial hemp in Nepal: Production and valorization perspectives. In *RENEWABLE & SUSTAINABLE ENERGY REVIEWS* (Vol. 215). PERGAMON-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.rser.2025.115622

Kavanagh, G., Schilling, S., Melzer, R., & Hodge, S. (2025). The Response of Monoecious and Dioecious Cultivars of Agricultural Hemp to an Organic Fertiliser Derived from Black Soldier Fly Frass. In *INSECTS* (Vol. 16, Issue 9). MDPI. https://doi.org/10.3390/insects16090918

Khanal, A., & Shah, A. (2024). Techno-Economic Analysis of Hemp Production, Logistics and Processing in the U.S. In *BIOMASS-SWITZERLAND* (Vol. 4, Issue 1, pp. 164–179). MDPI. https://doi.org/10.3390/biomass4010008

Khatri, D., Sandhu, S. S., Johns, F., Sandhu, H., & Chiluwal, A. (2025). Plant spacing and cultivar effect on industrial hemp growth, biomass, and cannabinoids yield. In *AGROSYSTEMS GEOSCIENCES & ENVIRONMENT* (Vol. 8, Issue 2). WILEY. https://doi.org/10.1002/agg2.70128

Kim, J.-W., Min, H., Park, J., Na, S., Kim, T., Chang, P.-S., Park, Y.-T., Kim, J.-C., & Ham, J. (2025). Enhancement of antiphotoaging properties of Cannabis sativa stem water extracts by fermentation with Lacticaseibacillus casei. In *PLOS ONE* (Vol. 20, Issue 8). PUBLIC LIBRARY SCIENCE. https://doi.org/10.1371/journal.pone.0329634

Kokic, B., Rakita, S., & Vujetic, J. (2024). Impact of Using Oilseed Industry Byproducts Rich in Linoleic and Alpha-Linolenic Acid in Ruminant Nutrition on Milk Production and Milk Fatty Acid Profile. In *ANIMALS* (Vol. 14, Issue 4). MDPI. https://doi.org/10.3390/ani14040539

Korkmaz, N., Kisa, D., Ceylan, Y., Guclu, E., & Sen, F. (2024). Biogenic synthesis of silica nanoparticles from industrial hemp waste for sustainable applications: Characterization and potential environmental benefits. In *INORGANIC CHEMISTRY COMMUNICATIONS* (Vol. 167). ELSEVIER. https://doi.org/10.1016/j.inoche.2024.112750

Kraft, M., Ptak, B., Piechocki, M., Pieczynski, D., Mlodzikowski, K., Kulecki, B., & Belter, D. (2025). Visual Feedback System Supporting Robotic Manipulation of Hemp Plants. In *JOURNAL OF NATURAL FIBERS* (Vol. 22, Issue 1). TAYLOR & FRANCIS INC. https://doi.org/10.1080/15440478.2025.2454261

Kurczynski, D., & Wcislo, G. (2024). Producing and Testing the Properties of Biodiesel Sourced from Hemp Oil. In *ENERGIES* (Vol. 17, Issue 23). MDPI. https://doi.org/10.3390/en17235950

Kwasnica, A., Pachura, N., Carbonell-Barrachina, A. A., Issa-Issa, H., Szumny, D., Figiel, A., Masztalerz, K., Klemens, M., & Szumny, A. (2023). Effect of Drying Methods on Chemical and Sensory Properties of Cannabis sativa Leaves. In *MOLECULES* (Vol. 28, Issue 24). MDPI. https://doi.org/10.3390/molecules28248089

Lara, A., Cely, E., Gomez-Pachon, E., Rubiano-Navarrete, A., Lopez, A., Antosik, A. K., Vendrell, X., & Serafin, J. (2025). Cannabis-derived cellulose acetate electrospun membranes for therapeutic dressings: Extraction, characterization, and prototype development. In *FRONTIERS IN CHEMISTRY* (Vol. 13). FRONTIERS MEDIA SA. https://doi.org/10.3389/fchem.2025.1624736

Lopez, A., Fukuda, E. P., Fruge, G., Boyer, H., Wagner, N., & Drewery, M. L. (2025). Assessing hemp components as feed for cattle through in-vitro true digestibility, in-situ, and cannabinoid determinations. In *ANIMAL FEED SCIENCE AND TECHNOLOGY* (Vol. 325). ELSEVIER. https://doi.org/10.1016/j.anifeedsci.2025.116354

Lukkananukool, A., Kongrit, C., Chaosap, C., Adeyemi, K. D., & Mitchaothai, J. (2025). Evaluating the benefits of hemp leaves in goat diets: Nutrient digestibility, growth performance and histomorphology. In *TROPICAL ANIMAL HEALTH AND PRODUCTION* (Vol. 57, Issue 8). SPRINGER. https://doi.org/10.1007/s11250-025-04630-1

Mandrioli, R., Di Lecce, R., Noreen, S., Castrovilli, M. C., Kabir, A., Locatelli, M., Mercolini, L., & Protti, M. (2025). Novel microsampling approach using fabric-phase sorptive extraction (FPSE) for cannabinoid analysis in blood. In *MICROCHEMICAL JOURNAL* (Vol. 214). ELSEVIER. https://doi.org/10.1016/j.microc.2025.113855

Mecione, U., Doyeni, M. O., & Tilvikiene, V. (2025). Optimizing Hemp (Cannabis sativa L.) Residue Management: Influence on Soil Chemical Properties Across Different Application Technologies. In *AGRONOMY-BASEL* (Vol. 15, Issue 5). MDPI. https://doi.org/10.3390/agronomy15051121

Michels, M., Brinkmann, A., & Musshoff, O. (2025). Economic, ecological and social perspectives of industrial hemp cultivation in Germany: A qualitative analysis. In *JOURNAL OF ENVIRONMENTAL MANAGEMENT* (Vol. 389). ACADEMIC PRESS LTD- ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.jenvman.2025.126117

Mieslerova, B., Kitner, M., Senkyrik, J. B., Krivankova, T., Sedlarova, M., Braun, U., & Lebeda, A. (2024). The co-occurrence of two powdery mildew species on Cannabis sativa in the Czech Republic. In *JOURNAL OF PHYTOPATHOLOGY* (Vol. 172, Issue 3). WILEY. https://doi.org/10.1111/jph.13348

Muedi, H. T. H., Kujoana, T. C., Shai, K., Mabelebele, M., & Sebola, N. A. (2024). The use of industrial hemp (Cannabis sativa) on farm animal's productivity, health and reproductive performance: A review. In *ANIMAL PRODUCTION SCIENCE* (Vol. 64, Issue 2). CSIRO PUBLISHING. https://doi.org/10.1071/AN23268

Muttil, N., Sadath, S., Coughlan, D., Paresi, P., & Singh, S. K. (2024). Hemp as A Sustainable Carbon Negative Plant: A Review of Its Properties, Applications, Challenges and Future Directions. In *INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING* (Vol. 16, Issues 2, SI, pp. 1–12). UNIV TUN HUSSEIN ONN MALAYSIA. https://doi.org/10.30880/ijie.2024.16.02.001

Nash, A. O. M., Joshee, N., Sherman, S., Lessl, J. T., & Coolong, T. (2024). Accumulation and Histochemical Localization of Cadmium in Hemp (Cannabis sativa L.) Leaf and Root Tissue. In *HORTSCIENCE* (Vol. 59, Issue 8, pp. 1150–1157). AMER SOC HORTICULTURAL SCIENCE. https://doi.org/10.21273/HORTSCI17930-24

Nazari, F., & Woods, L. D. (2025). Environmental life cycle assessment of hemp-based thermal insulation: From agricultural growth to manufacturing in the United States. In *JOURNAL OF CLEANER PRODUCTION* (Vol. 506). ELSEVIER SCI LTD. https://doi.org/10.1016/j.jclepro.2025.145509

Nguyen, A.-K., Lerttanakij, P., Taweechat, P., Sompornpisut, P., Khotwong, S., Wacharasindhu, S., & Phuwapraisirisan, P. (2025). α-Glucosidase Inhibitors from the Leaves of Cannabis sativa: Structure-Activity Relationship, Kinetic Investigation, and Molecular Docking. In *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY* (Vol. 73, Issue 33, pp. 20900–20915). AMER CHEMICAL SOC. https://doi.org/10.1021/acs.jafc.5c08443

Ntsoane, T., Nemukondeni, N., & Nemadodzi, L. E. (2024). A Systematic Review: Assessment of the Metabolomic Profile and Anti-Nutritional Factors of Cannabis sativa as a Feed Additive for Ruminants. In *METABOLITES* (Vol. 14, Issue 12). MDPI. https://doi.org/10.3390/metabo14120712

Orm, E. B., Bergeret, A., & Malhautier, L. (2024). Microbial communities and their role in enhancing hemp fiber quality through field retting. In *APPLIED MICROBIOLOGY AND BIOTECHNOLOGY* (Vol. 108, Issue 1). SPRINGER. https://doi.org/10.1007/s00253-024-13323-y

Oseyko, M., Sova, N., Yefimov, V., & Petrachenko, D. (2024). Chemical composition of seeds of industrial Ukrainian hemp varieties. In *UKRAINIAN FOOD JOURNAL* (Vol. 13, Issue 3). NATL UNIV FOOD TECHNOLOGIES. https://doi.org/10.24263/2304-974X-2024-13-3-8

Padleckiene, I., Stygiene, L., Krauledas, S., Abraitiene, A., & Sankauskaite, A. (2025). Thermal Comfort Properties of Biodegradable Hemp and Polylactide Fiber Knitted Fabrics. In *POLYMERS* (Vol. 17, Issue 7). MDPI. https://doi.org/10.3390/polym17070903

Panday, D., Acharya, B. S., Dhakal, M., Caton, T., Lapham, C., Smith, A., & Ghalehgolabbehbahani, A. (2025). Industrial hemp yield and chemical composition as influenced by row spacing, fertilization, and environmental conditions. In *AGROSYSTEMS GEOSCIENCES & ENVIRONMENT* (Vol. 8, Issue 2). WILEY. https://doi.org/10.1002/agg2.70093

Panday, D., Heller, W. P., Carrara, J. E., Bhusal, N., Omoding, N., Caton, T., Walsh, A., Smith, A., & Ghalehgolabbehbahani, A. (2025). Performance and mycorrhizal colonization of industrial hemp varieties under regenerative organic systems in Northeastern region. In *AGROSYSTEMS GEOSCIENCES & ENVIRONMENT* (Vol. 8, Issue 2). WILEY. https://doi.org/10.1002/agg2.70091

Paszczyk, B., & Tonska, E. (2025). Influence of Plant Additives on Changes in the Composition of Fatty Acids, Lipid Quality Indices and Minerals of Fermented Dairy Products from Cow's Milk. In *MOLECULES* (Vol. 30, Issue 2). MDPI. https://doi.org/10.3390/molecules30020235

Petlickaite, R., Jasinskas, A., Venslauskas, K., Navickas, K., Praspaliauskas, M., & Lemanas, E. (2024). Evaluation of Multi-Crop Biofuel Pellet Properties and the Life Cycle Assessment. In *AGRICULTURE-BASEL* (Vol. 14, Issue 7). MDPI. https://doi.org/10.3390/agriculture14071162

Pieracci, Y., Pistelli, L., D'Ambrosio, B., Paris, R., Flamini, G., & Bassolino, L. (2025). From Waste to Resource: Mineral and Biochemical Characterization of Hemp By-Products in the Fiber and Seed Supply Chain. In *AGRONOMY-BASEL* (Vol. 15, Issue 3). MDPI. https://doi.org/10.3390/agronomy15030564

Pokharel, A., Falua, K. J., Babaei-Ghazvini, A., Dafchahi, M. N., Tabil, L. G., Meda, V., & Acharya, B. (2024). Development of Polylactic Acid Films with Alkali- and Acetylation-Treated Flax and Hemp Fillers via Solution Casting Technique. In *POLYMERS* (Vol. 16, Issue 7). MDPI. https://doi.org/10.3390/polym16070996

Poniatowska, J., Panasiewicz, K., Szalata, M., & Wielgus, K. (2024). The Influence of Sowing Density and Nitrogen Fertilization on the Yielding and Main Technological Features of Some Hemp Varieties. In *JOURNAL OF NATURAL FIBERS* (Vol. 21, Issue 1). TAYLOR & FRANCIS INC. https://doi.org/10.1080/15440478.2024.2433065

Popa, L.-D., Isticioaia, S.-F., Vladut, N.-V., Matei, G., Leonte, A., Gageanu, I., Nenciu, F., Pintilie, P.-L., Pintilie, A.-S., Milea, O., Rosca, M., Panda, A., Teliban, G.-C., & Burducea, M. (2025). THE MULTIPLE APPLICATIONS OF INDUSTRIAL HEMP (CANNABIS SATIVA L.) IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT. In *INMATEH-AGRICULTURAL ENGINEERING* (Vol. 75, Issue 1, pp. 1052–1072). INST NATL CERCETARE. https://doi.org/10.35633/inmateh-75-88

Popa, L.-D., Teliban, G.-C., Buterchi, I., Burducea, M., Isticioaia, S.-F., Nenciu, F., Leonte, A., Buburuz, A.-A., Pintilie, A.-S., Bodale, I., Cojocaru, A., Lobiuc, A., & Stoleru, V. (2024). PHYSIOLOGICAL, BIOCHEMICAL AND AGROPRODUCTIVE CHARACTERISTICS OF HEMP MICROGREENS IN DIFFERENT GROWING ENVIRONMENTS. In *SCIENTIFIC PAPERS-SERIES A-AGRONOMY* (Vol. 67, Issue 1, pp. 886–895). UNIV AGRONOMIC SCIENCES & VETERINARY MEDICINE BUCHAREST - USAMV.

Pulkoski, M., & Burrack, H. (2024). Assessing the impact of piercing-sucking pests on greenhouse-grown industrial hemp (Cannabis sativa L.). In *ENVIRONMENTAL ENTOMOLOGY* (Vol. 53, Issue 1, pp. 1–10). OXFORD UNIV PRESS INC. https://doi.org/10.1093/ee/nvad044

Pundiene, I., Pranckeviciene, J., Bumanis, G., Sinka, M., & Bajare, D. (2025). Experimental investigation of novel bio-composite with integrated phase change materials (PCM) for enhanced energy saving in buildings. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 224). ELSEVIER. https://doi.org/10.1016/j.indcrop.2024.120318

Ranogajec, L., Antunovic, M., Stipesevic, B., & Varga, I. (2024). A CURRENT STATUS AND PRODUCTION POTENTIAL OF INDUSTRIAL HEMP IN CROATIA BASED ON A SWOT ANALYSIS. In *POLJOPRIVREDA* (Vol. 30, Issue 2). FAC AGRICULTURE OSIJEK. https://doi.org/10.18047/poljo.30.2.7

Rasheed, A., He, P., Long, Z., Gillani, S. F. A., Wang, Z., Morsy, K., Hashem, M., & Jie, Y. (2024). Cadmium (Cd) Tolerance and Phytoremediation Potential in Fiber Crops: Research Updates and Future Breeding Efforts. In *AGRONOMY-BASEL* (Vol. 14, Issue 11). MDPI. https://doi.org/10.3390/agronomy14112713

Ribeiro, J., Bueno, G., Martin, M. R., & Rocha, J. (2023). Experimental Study on Mechanical Properties of Hemp Fibers Influenced by Various Parameters. In *SUSTAINABILITY* (Vol. 15, Issue 12). MDPI. https://doi.org/10.3390/su15129610

Rizzo, G., Storz, M. A., & Calapai, G. (2023). The Role of Hemp (Cannabis sativa L.) as a Functional Food in Vegetarian Nutrition. In *FOODS* (Vol. 12, Issue 18). MDPI. https://doi.org/10.3390/foods12183505

Rodriguez-Ramos, R., Herrera-Herrera, A. V., Montesinos-Pereira, D., Socas-Rodriguez, B., & Rodriguez-Delgado, M. A. (2024). Development of a green analytical methodology based on a deep eutectic solvent for the determination of pesticide residues in industrial hemp. In *MICROCHEMICAL JOURNAL* (Vol. 199). ELSEVIER. https://doi.org/10.1016/j.microc.2024.109955

Saletnik, B., Czarnota, R., Maczuga, M., Saletnik, A., Bajcar, M., Zagula, G., & Puchalski, C. (2024). Residues from the Oil Pressing Process as a Substrate for the Production of Alternative Biochar Materials. In *APPLIED SCIENCES-BASEL* (Vol. 14, Issue 17). MDPI. https://doi.org/10.3390/app14178028

Saragoca, A., Silva, A. C., Varanda, C. M. R., Materatski, P., Ortega, A., Cordeiro, A. I., & Telo da Gama, J. (2025). Current Context of Cannabis sativa Cultivation and Parameters Influencing Its Development. In *AGRICULTURE-BASEL* (Vol. 15, Issue 15). MDPI. https://doi.org/10.3390/agriculture15151635

Selvaraj, S., Nawfer, N., Dharmawansa, K. V. S., Redha, A. A., & Rupasinghe, H. P. V. (2025). Recent advances in cannabidiol (CBD) extraction: A review of potential eco-friendly solvents and advanced technologies. In *GREEN ANALYTICAL CHEMISTRY* (Vol. 13). ELSEVIER. https://doi.org/10.1016/j.greeac.2025.100270

Shah, S. S. H., Latif, S., Qureshi, R., Ilyas, N., Ahmad, M. S., Rehman, S., Khan, N., Abdel-Maksoud, M. A., El-Tayeb, M. A., Saleh, I. A., & Kiani, B. H. (2024). Optimizing germination dynamics in seven key industrial and medicinal hemp varieties through seed priming techniques: An initial study for hemp cultivation in Pakistan. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 222, Issue 3). ELSEVIER. https://doi.org/10.1016/j.indcrop.2024.119739

Sicignano, M., Beleggia, R., del Piano, L., Enotrio, T., Suriano, S., Raimo, F., & Trono, D. (2025). Effect of Combining Organic and Inorganic Fertilizers on the Growth of Hemp (Cannabis sativa L.) Plants and the Accumulation of Phytochemicals in Their Inflorescence. In *PLANTS-BASEL* (Vol. 14, Issue 10). MDPI. https://doi.org/10.3390/plants14101519

Sieracka, D., Frankowski, J., Waclawek, S., & Czekala, W. (2023). Hemp Biomass as a Raw Material for Sustainable Development. In *APPLIED SCIENCES-BASEL* (Vol. 13, Issue 17). MDPI. https://doi.org/10.3390/app13179733

Singh, J., Agrawal, R. K., Bankoti, K., Sarkar, R., Saini, M., Kashyap, K., Kumar, D., Sharma, G. K., Jha, P. N., Jain, S., & Singh, B. R. (2025). Antibacterial, anti-biofilm and anti-virulence activity of biosynthesized silver nanoparticles against drug-resistant Staphylococcus aureus. In *VETERINARY RESEARCH COMMUNICATIONS* (Vol. 49, Issue 6). SPRINGER. https://doi.org/10.1007/s11259-025-10900-y

Stramkale, V., Andze, L., Cernova, L., Teirumnieka, E., Filipova, I., Stramkalis, A., Teirumnieks, E., & Andzs, M. (2024). Industrial Hemp Variety Performance in Latvia Under Baltic Sea Climate. In *AGRONOMY-BASEL* (Vol. 14, Issue 12). MDPI. https://doi.org/10.3390/agronomy14122750

Strazdas, E., & Janusevicius, T. (2024). Evaluation and Analysis of Sound Absorption across Various Types of Hemp Fibre. In *ENVIRONMENTAL AND CLIMATE TECHNOLOGIES* (Vol. 28, Issue 1, pp. 269–285). SCIENDO. https://doi.org/10.2478/rtuect-2024-0022

Stulpinaite, U., Tilvikiene, V., & Doyeni, M. O. (2024). Decomposition of Hemp Residues in Soil as Facilitated by Different Nitrogen Sources. In *AGRICULTURE-BASEL* (Vol. 14, Issue 3). MDPI. https://doi.org/10.3390/agriculture14030508

Sullivan, T., Yost, M., Boren, D., Barker, B., Creech, E., & Bugbee, B. (2025). Impacts of irrigation system, irrigation rate, and cultivar on hemp production in the semiarid Intermountain West. In *AGROSYSTEMS GEOSCIENCES & ENVIRONMENT* (Vol. 8, Issue 2). WILEY. https://doi.org/10.1002/agg2.70083

Sullivan, T., Yost, M., Boren, D., Creech, E., & Bugbee, B. (2025). Impact of cultivar selection on floral hemp yield and cannabinoid production in the semiarid Intermountain West. In *AGROSYSTEMS GEOSCIENCES & ENVIRONMENT* (Vol. 8, Issue 2). WILEY. https://doi.org/10.1002/agg2.70125

Sun, Y., Wang, J., Li, D., Kong, W., Chen, J., & Yu, Y. (2025). Electrolyzed water-soaking-assisted bio-enzymatic degumming of industrial hemp for cotton-type fiber production and spinnability optimization. In *TEXTILE RESEARCH JOURNAL*. SAGE PUBLICATIONS LTD. https://doi.org/10.1177/00405175251360918

Thiry, M., Sergeant, K., Cocco, E., Grigorev, S., Iken, M., Hausman, J.-F., Renaut, J., Lutts, S., & Guerriero, G. (2025). A molecular analysis in leaves of in vitro-cultivated commercial and non-commercial Cannabis sativa genotypes. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 236). ELSEVIER. https://doi.org/10.1016/j.indcrop.2025.121921

Tripa, S., Kadinkiz, N., Kanwal, A., Nazeer, M. A., Nazir, A., Tripa, F., & Uzun, M. (2023). Analysing the Impact of the Bleaching Process on Wet Spun Hemp Yarn Properties. In *SUSTAINABILITY* (Vol. 15, Issue 24). MDPI. https://doi.org/10.3390/su152416894

Trono, D. (2024). Cannabis sativa: From Plants to Humans. In *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES* (Vol. 25, Issue 24). MDPI. https://doi.org/10.3390/ijms252413288

Trono, D. (2025). Elicitation as a tool to improve the accumulation of secondary metabolites in Cannabis sativa. In *PHYTOCHEMISTRY REVIEWS* (Vol. 24, Issue 4, pp. 3119–3155). SPRINGER. https://doi.org/10.1007/s11101-024-10019-z

Trubanova, N., Isobe, S., Shirasawa, K., Watanabe, A., Kelesidis, G., Melzer, R., & Schilling, S. (2025). Genome-specific association study (GSAS) for exploration of variability in hemp (Cannabis sativa). In *SCIENTIFIC REPORTS* (Vol. 15, Issue 1). NATURE PORTFOLIO. https://doi.org/10.1038/s41598-025-92168-5

Ungureanu-Iuga, M., Mironeasa, S., Batariuc, A., Mironeasa, C., & Oroian, M.-A. (2024). Extruded snacks from maize flour with red grape pomace. In *UKRAINIAN FOOD JOURNAL* (Vol. 13, Issue 3). NATL UNIV FOOD TECHNOLOGIES. https://doi.org/10.24263/2304-974X-2024-13-3-9

Varga, I., Iljkic, D., Krolo, P., Peric Fekete, A., & Kraus, I. (2024). The Source of K Fertilizer for Industrial Hemp (Cannabis sativa L.): Mechanical and Chemical Properties of Stem for Rammed Earth Walls. In *AGRICULTURE-BASEL* (Vol. 14, Issue 12). MDPI. https://doi.org/10.3390/agriculture14122196

Varga, I., Kristic, M., Lisjak, M., Kojic, M. T., Iljkic, D., Jovic, J., Kristek, S., Markulj Kulundzic, A., & Antunovic, M. (2024). Antioxidative Response and Phenolic Content of Young Industrial Hemp Leaves at Different Light and Mycorrhiza. In *PLANTS-BASEL* (Vol. 13, Issue 6). MDPI. https://doi.org/10.3390/plants13060840

Varga, I., Markulj Kulundzic, A., Krolo, P., Iljkic, D., Tisma, M., & Kraus, I. (2025). Industrial Hemp Finola Variety Photosynthetic, Morphometric, Biomechanical, and Yield Responses to K Fertilization Across Different Growth Stages. In *AGRONOMY-BASEL* (Vol. 15, Issue 2). MDPI. https://doi.org/10.3390/agronomy15020496

Wang, T., Li, W., Wang, F., Li, J., Qin, J., Song, Z., Xu, J., Qiu, H., & Cheng, Y. (2024). Biocontrol potential of Bacillus velezensis SEC-024A against southern blight of industrial hemp. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 222, Issue 3). ELSEVIER. https://doi.org/10.1016/j.indcrop.2024.119767

Xia, W., Liu, S., Chu, H., Chen, X., Huang, L., Bai, T., Jiao, X., Wang, W., Jiang, H., & Wang, X. (2024). Rational Design and Modification of NphB for Cannabinoids Biosynthesis. In *MOLECULES* (Vol. 29, Issue 18). MDPI. https://doi.org/10.3390/molecules29184454

Zhao, T., Xia, W., Li, B., Nie, K., Zhang, Y., Han, G., Jiang, W., & Ben, H. (2024). A novel eco-friendly solid-state degumming method for extraction of hemp fibers. In *JOURNAL OF CLEANER PRODUCTION* (Vol. 435). ELSEVIER SCI LTD. https://doi.org/10.1016/j.jclepro.2023.140549

Zhou, H., Song, M., Zhang, X., Ke, T., Shi, G., Wu, Y., & Geng, H. (2025). Mechanism Unraveling of Scalable Antifreeze Oligopeptides for Enhanced Cryopreservation. In *LANGMUIR* (Vol. 41, Issue 14, pp. 9532–9541). AMER CHEMICAL SOC. https://doi.org/10.1021/acs.langmuir.5c00569

Zvirgzds, K., Kirilovs, E., Kukle, S., Zotova, I., Gudro, I., & Gross, U. (2023). Particleboard Creation from Agricultural Waste Residue of Seed Hemp. In *MATERIALS* (Vol. 16, Issue 15). MDPI. https://doi.org/10.3390/ma16155316

Dahlberg, J., Berenji, J., Sikora, V., Latkovic, D. (2011). Assessing sorghum [Sorghum bicolor (L) Moench] germplasm for new traits: food, fuels & unique uses. In *MAYDICA*, 56(2): 165-172.
Овај рад има укупно 65 цитата у бази Web of Science, односно 62 цитата без аутоцитата:

Adhi, R. K., Qosim, W. A., Rachmadi, M., & Damayanti, F. (2024). Mutation breeding in underutilized cereal crops: A review. In *BULGARIAN JOURNAL OF AGRICULTURAL SCIENCE* (Vol. 30, Issue 1, pp. 81–87). SCIENTIFIC ISSUES NATL CENTRE AGRARIAN SCIENCES.

Ahmed, R. I., Ding, A., Xie, M., & Kong, Y. (2018). Progress in Optimization of Agrobacterium-Mediated Transformation in Sorghum (Sorghum bicolor). In *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES* (Vol. 19, Issue 10). MDPI. https://doi.org/10.3390/ijms19102983

Ahmed, R. I., Rehman, S. U., Akhtar, L. H., Khan, A. M., Mahmood, K., Ahmad, R. T., & Anum, W. (2022). Optimization of in vitro responses of various explants sources in sorghum (Sorghum bicolor). In *ASIAN JOURNAL OF AGRICULTURE AND BIOLOGY* (Vol. 10, Issue 2). LIFE SCIENCES SOC PAKISTAN. https://doi.org/10.35495/ajab.2021.02.102

Al-Turki, T. A., Al-Namazi, A. A., & Masrahi, Y. S. (2019). Conservation of genetic resources for five traditional crops from Jazan, SW Saudi Arabia, at the KACST Gene-Bank. In *SAUDI JOURNAL OF BIOLOGICAL SCIENCES* (Vol. 26, Issue 7, pp. 1626–1632). ELSEVIER. https://doi.org/10.1016/j.sjbs.2018.09.007

Aragaw, G., & Terefe, H. (2024). Response of sorghum genotypes to anthracnose (Colletotrichum sublineolum) resistance under field conditions in eastern Ethiopia. In *PLOS ONE* (Vol. 19, Issue 12). PUBLIC LIBRARY SCIENCE. https://doi.org/10.1371/journal.pone.0316016

Atim, J., Kaweesi, T., Hutmacher, R. B., Putnam, D. H., Pedraza, J., de Ben, C. M., Schramm, T., Angeles, J., Clark, N. E., & Dahlberg, J. A. (2024). Optimizing Sorghum for California: A Multi-Location Evaluation of Biomass Yield, Feed Quality, and Biofuel Feedstock Potential. In *AGRONOMY-BASEL* (Vol. 14, Issue 12). MDPI. https://doi.org/10.3390/agronomy14122866

Bakari, H., Djomdi, Ruben, Z. F., Roger, D. D., Cedric, D., Guillaume, P., Pascal, D., Philippe, M., & Gwendoline, C. (2023). Sorghum (Sorghum bicolor L. Moench) and Its Main Parts (By-Products) as Promising Sustainable Sources of Value-Added Ingredients. In *WASTE AND BIOMASS VALORIZATION* (Vol. 14, Issue 4, pp. 1023–1044). SPRINGER. https://doi.org/10.1007/s12649-022-01992-7

Batog, J., Frankowski, J., Wawro, A., & Lacka, A. (2020). Bioethanol Production from Biomass of Selected Sorghum Varieties Cultivated as Main and Second Crop. In *ENERGIES* (Vol. 13, Issue 23). MDPI. https://doi.org/10.3390/en13236291

Boyles, R. E., Cooper, E. A., Myers, M. T., Brenton, Z., Rauh, B. L., Morris, G. P., & Kresovich, S. (2016). Genome-Wide Association Studies of Grain Yield Components in Diverse Sorghum Germplasm. In *PLANT GENOME* (Vol. 9, Issue 2). WILEY. https://doi.org/10.3835/plantgenome2015.09.0091

Camerini, G., Groppali, R., Limonta, L., & Maini, S. (2014). A survey on pest insects of fiber and grain sorghum in northern Italy. In *MAYDICA* (Vol. 59, Issue 3, pp. 243–249). MAYDICA-IST SPER CEREALICOLTUR.

Coulman, B., Dalai, A., Heaton, E., Lee, C. P., Lefsrud, M., Levin, D., Lemaux, P. G., Neale, D., Shoemaker, S. P., Singh, J., Smith, D. L., & Whalen, J. K. (2013). Developments in crops and management systems to improve lignocellulosic feedstock production. In *BIOFUELS BIOPRODUCTS & BIOREFINING-BIOFPR* (Vol. 7, Issue 5, pp. 582–601). WILEY. https://doi.org/10.1002/bbb.1418

Dar, R. A., Dar, E. A., Kaur, A., & Phutela, U. G. (2018). Sweet sorghum-a promising alternative feedstock for biofuel production. In *RENEWABLE & SUSTAINABLE ENERGY REVIEWS* (Vol. 82, Issue 3, pp. 4070–4090). PERGAMON-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.rser.2017.10.066

Das, I. K., & Rakshit, S. (2016). MILLETS, THEIR IMPORTANCE, AND PRODUCTION CONSTRAINTS. In I. Das & P. Padmaja (Eds.), *BIOTIC STRESS RESISTANCE IN MILLETS* (pp. 3–19). ACADEMIC PRESS LTD-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/B978-0-12-804549-7.00001-9

de la Osa, C., Perez-Lopez, J., Gandullo, J. M., Echevarria, C., Monreal, J. A., Garcia-Maurino, S., & Feria, A. B. (2025). Silencing of SbPPC3 reduces the germination capacity in salinity and decreases the nutritional value of sorghum seeds. In *JOURNAL OF PLANT PHYSIOLOGY* (Vol. 307). ELSEVIER GMBH. https://doi.org/10.1016/j.jplph.2024.154412

Do, P. T., Lee, H., Mookkan, M., Folk, W. R., & Zhang, Z. J. (2016). Rapid and efficient Agrobacterium-mediated transformation of sorghum (Sorghum bicolor) employing standard binary vectors and bar gene as a selectable marker. In *PLANT CELL REPORTS* (Vol. 35, Issue 10, pp. 2065–2076). SPRINGER. https://doi.org/10.1007/s00299-016-2019-6

Duressa, D., Bean, S., St Amand, P., & Tesso, T. (2020). Identification of variant α-kafirin alleles associated with protein digestibility in grain sorghum. In *CROP SCIENCE* (Vol. 60, Issue 5, pp. 2467–2478). WILEY. https://doi.org/10.1002/csc2.20198

Duressa, D., Weerasoriya, D., Bean, S. R., Tilley, M., & Tesso, T. (2018). Genetic Basis of Protein Digestibility in Grain Sorghum. In *CROP SCIENCE* (Vol. 58, Issue 6, pp. 2183–2199). CROP SCIENCE SOC AMER. https://doi.org/10.2135/cropsci2018.01.0038

Elias, M., Chere, D., Lule, D., Serba, D., Tirfessa, A., Gelmesa, D., Tesso, T., Bantte, K., & Menamo, T. M. (2024). Multi-locus genome-wide association study reveal genomic regions underlying root system architecture traits in

Ethiopian sorghum germplasm. In *PLANT GENOME* (Vol. 17, Issue 2). WILEY. https://doi.org/10.1002/tpg2.20436

Felts, A. M., Pokharel, B., Yahya, D., & Aziz, A. N. (2022). Whole-genomic DNA amplifications from individually isolated sweet sorghum microspores. In *APPLICATIONS IN PLANT SCIENCES* (Vol. 10, Issue 6). WILEY. https://doi.org/10.1002/aps3.11501

Getahun, A., Alemu, A., Nida, H., & Woldesemayat, A. A. (2025). Multi-locus genome-wide association mapping for major agronomic and yield-related traits in sorghum (Sorghum bicolor (L.) moench) landraces. In *BMC GENOMICS* (Vol. 26, Issue 1). BMC. https://doi.org/10.1186/s12864-025-11458-4

Glab, L., Sowinski, J., Bough, R., & Dayan, F. E. (2017). Allelopathic Potential of Sorghum (Sorghum bicolor (L.) Moench) in Weed Control: A Comprehensive Review. In D. Sparks (Ed.), *ADVANCES IN AGRONOMY, VOL 145* (Vol. 145, pp. 43–95). ELSEVIER ACADEMIC PRESS INC. https://doi.org/10.1016/bs.agron.2017.05.001

Hiltbrunner, J., Stoll, P., Buchmann, U., & Ramseier, H. (2013). Experiences with the planting of Sorghum bicolor L (Moench) in Switzerland. In *MAYDICA* (Vol. 58, Issues 1–4, SI, pp. 254–259). MAYDICA-IST SPER CEREALICOLTUR.

Ismojo, Ammar, A. A., Ramahdita, G., Zulfia, A., & Chalid, M. (2018). Influence of Chemical Treatments Sequence on Morphology and Crystallinity of Sorghum Fibers. In *INDONESIAN JOURNAL OF CHEMISTRY* (Vol. 18, Issue 2, pp. 349–353). GADJAH MADA UNIV, DEPT CHEMISTRY. https://doi.org/10.22146/ijc.27194

Jaradat, A. A. (2013). Sustainable Production of Grain Crops for Biofuels. In B. Singh (Ed.), *BIOFUEL CROP SUSTAINABILITY* (pp. 31–52). BLACKWELL SCIENCE PUBL.

Jiang, D., Ma, T., Ding, F., Fu, J., Hao, M., Wang, Q., & Chen, S. (2019). Mapping Global Environmental Suitability for Sorghum bicolor (L.) Moench. In *ENERGIES* (Vol. 12, Issue 10). MDPI. https://doi.org/10.3390/en12101928

Khalfalla, M., Zsombik, L., Diosi, G., & Gyori, Z. (2024). Implications of husking process on the nutritional composition of sorghum grains: Diverse varieties and regions. In *INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY* (Vol. 59, Issue 6, pp. 3760–3772). WILEY. https://doi.org/10.1111/ijfs.17117

Lemlioglu-Austin, D. (2014). SORGHUM: OBLIGING ALTERNATIVE AND ANCIENT GRAIN. In *CEREAL FOODS WORLD* (Vol. 59, Issue 1, pp. 12–20). AACC INTERNATIONAL. https://doi.org/10.1094/CFW-59-1-0012

Mandrone, M., Chiocchio, I., Barbanti, L., Tomasi, P., Tacchini, M., & Poli, F. (2021). Metabolomic Study of Sorghum (Sorghum bicolor) to Interpret Plant Behavior under Variable Field Conditions in View of Smart Agriculture Applications. In *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY* (Vol. 69, Issue 3, pp. 1132–1145). AMER CHEMICAL SOC. https://doi.org/10.1021/acs.jafc.0c06533

Mauget, S., Kothari, K., Leiker, G., Emendack, Y., Xin, Z., Hayes, C., Ale, S., & Louis Baumhardt, R. (2020). Optimizing Dryland Crop Management to Regional Climate. Part II: U.S. Southern High Plains Grain Sorghum Production. In *FRONTIERS IN SUSTAINABLE FOOD SYSTEMS* (Vol. 3). FRONTIERS MEDIA SA. https://doi.org/10.3389/fsufs.2019.00119

Mengistu, G., Shimelis, H., Assefa, E., & Lule, D. (2021). Genome-wide association analysis of anthracnose resistance in sorghum [Sorghum bicolor (L.) Moench]. In *PLOS ONE* (Vol. 16, Issue 12). PUBLIC LIBRARY SCIENCE. https://doi.org/10.1371/journal.pone.0261461

Motsi, H., Molapo, M., & Phiri, E. E. (2022). A review on sweet sorghum adaptive capacity on improving food security and poverty alleviation in sub-Saharan Africa. In *SOUTH AFRICAN JOURNAL OF BOTANY* (Vol. 150, pp. 323–329). ELSEVIER. https://doi.org/10.1016/j.sajb.2022.07.040

Nambi, E., Aula, L., Oyebiyi, F. B., Eickhoff, E. M., Omara, P., Carpenter, J., & Raun, W. R. (2021). Evaluation of Sorghum Emergence and Grain Yield Response to Seeding Density and Plant Spacing Attained Using the OSU Hand Planter. In *COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS* (Vol. 52, Issue 15, pp. 1762–1771). TAYLOR & FRANCIS INC. https://doi.org/10.1080/00103624.2021.1892734

Ngara, R., Goche, T., Swanevelder, D. Z. H., & Chivasa, S. (2021). Sorghum's Whole-Plant Transcriptome and Proteome Responses to Drought Stress: A Review. In *LIFE-BASEL* (Vol. 11, Issue 7). MDPI. https://doi.org/10.3390/life11070704

Nikzad, M., Talebnia, F., Movagharnejad, K., Najafpour, G. D., & Esfahanian, M. (2017). Kinetic Modeling of Enzymatic Hydrolysis of Pretreated Sorghum Bicolor and Rice Husk. In *INTERNATIONAL JOURNAL OF ENGINEERING* (Vol. 30, Issue 11, pp. 1622–1630). MATERIALS & ENERGY RESEARCH CENTER-MERC. https://doi.org/10.5829/ije.2017.30.11b.01

Oprea, C. A., Marin, D. I., & Bolohan, C. (2015). INFLUENCE OF SOME TECHNOLOGICAL FACTORS ON GRAIN SORGHUM (Sorghum bicolor (L.) MOENCH VAR. Eusorghum) YIELD GROWN UNDER THE CONDITIONS OF SOUTHEASTERN ROMANIA. In *AGROLIFE SCIENTIFIC JOURNAL* (Vol. 4, Issue 1, pp. 123–130). UNIV AGRICULTURAL SCIENCES & VETERINARY MEDICINE BUCHAREST.

Out, W. A., & Madella, M. (2017). Towards improved detection and identification of crop by-products: Morphometric analysis of bilobate leaf phytoliths of Pennisetum glaucum and Sorghum bicolor. In *QUATERNARY INTERNATIONAL* (Vol. 434, Issue B, pp. 1–14). PERGAMON-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.quaint.2015.07.017

Pan, L., George-Jaeggli, B., Borrell, A., Jordan, D., Koller, F., Al-Salman, Y., Ghannoum, O., & Cano, F. J. (2022). Coordination of stomata and vein patterns with leaf width underpins water-use efficiency in a C4 crop. In *PLANT CELL AND ENVIRONMENT* (Vol. 45, Issue 6, pp. 1612–1630). WILEY. https://doi.org/10.1111/pce.14225

Parikh, A., Brant, E. J., Baloglu, M. C., & Altpeter, F. (2021). CRISPR/Cas-mediated genome editing in sorghum—Recent progress, challenges and prospects. In *IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-PLANT* (Vol. 57, Issues 4, SI, pp. 720–730). SPRINGER. https://doi.org/10.1007/s11627-021-10215-y

Peiris, K. H. S., Bean, S. R., Wu, X., Sexton-Bowser, S. A., & Tesso, T. (2023). Performance of a Handheld MicroNIR Instrument for Determining Protein Levels in Sorghum Grain Samples. In *FOODS* (Vol. 12, Issue 16). MDPI. https://doi.org/10.3390/foods12163101

Perlein, A., Bert, V., Desannaux, O., Fernandes de Souza, M., Papin, A., Gaucher, R., Zdanevitch, I., & Meers, E. (2021). The Use of Sorghum in a Phytoattenuation Strategy: A Field Experiment on a TE-Contaminated Site. In *APPLIED SCIENCES-BASEL* (Vol. 11, Issue 8). MDPI. https://doi.org/10.3390/app11083471

Prakasham, R. S., Nagaiah, D., Vinutha, K. S., Uma, A., Chiranjeevi, T., Umakanth, A. V., Rao, P. S., & Yan, N. (2014). Sorghum biomass: A novel renewable carbon source for industrial bioproducts. In *BIOFUELS-UK* (Vol. 5, Issue 2, pp. 159–174). TAYLOR & FRANCIS LTD. https://doi.org/10.4155/BFS.13.74

Righi, C. A., & Foltran, D. E. (2018). Broomcorn [Sorghum bicolor (L.) Moench] responses to shade: An agroforestry system interface simulation. In *AGROFORESTRY SYSTEMS* (Vol. 92, Issue 3, pp. 693–704). SPRINGER. https://doi.org/10.1007/s10457-016-0036-7

Rini, E. P., Wirnas, D., Trikoesoemaningtyas, D., & Sopandie, D. (2017). GENETIC ANALYSIS ON AGRONOMIC AND QUALITY TRAITS OF SORGHUM HYBRIDS IN INDONESIA. In *SABRAO JOURNAL OF BREEDING AND GENETICS* (Vol. 49, Issue 2, pp. 192–200). SOC ADVANCEMENT BREEDING RESEARCHES ASIA & OCEANIA.

Ruiz-Chutan, J. A., Salava, J., Janovska, D., Ziarovska, J., Kalousova, M., & Fernandez, E. (2019). ASSESSMENT OF GENETIC DIVERSITY IN Sorghum bicolor USING RAPD MARKERS. In *GENETIKA-BELGRADE* (Vol. 51, Issue 3, pp. 789–803). SERBIAN GENETICS SOC. https://doi.org/10.2298/GENSR1903789R

Sagu, S. T., Landgraeber, E., Rackiewicz, M., Huschek, G., & Rawel, H. (2020). Relative Abundance of Alpha-Amylase/Trypsin Inhibitors in Selected Sorghum Cultivars. In *MOLECULES* (Vol. 25, Issue 24). MDPI. https://doi.org/10.3390/molecules25245982

Shapter, F. M., Crowther, A., Fox, G., Godwin, I. D., Watson-Fox, L., Hannah, I. J. C., & Norton, S. L. (2018). The domestication, spread and uses of sorghum as a crop. In W. Rooney (Ed.), *ACHIEVING SUSTAINABLE CULTIVATION OF SORGHUM, VOL 2: SORGHUM UTILIZATION AROUND THE WORLD* (Vol. 32, pp. 31–64). BURLEIGH DODDS SCIENCE PUBLISHING LTD. https://doi.org/10.19103/AS.2017.0015.01

Sher, A., Hassan, M. U., Sattar, A., Ul-Allah, S., Ijaz, M., Hayyat, Z., Bibi, Y., Hussain, M., & Qayyum, A. (2023). Exogenous application of melatonin alleviates the drought stress by regulating the antioxidant systems and sugar contents in sorghum seedlings. In *BIOCHEMICAL SYSTEMATICS AND ECOLOGY* (Vol. 107). PERGAMON-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.bse.2023.104620

Somadder, P. D., Chen, G., Mojiri, A., Dearnaley, J., & Trzcinski, A. (2025). Fungal biocatalytic valorization of sorghum: An integrated bottom-up and top-down framework for sustainable fermentable sugar production. In *CHEMICAL ENGINEERING JOURNAL* (Vol. 520). ELSEVIER SCIENCE SA. https://doi.org/10.1016/j.cej.2025.166309

Somadder, P. D., Trzcinski, A., Chen, G., Chow, Y., & Manan, M. A. (2025). Fermentation of sorghum with Aspergillus strains: A promising and sustainable pathway to enzyme production- comprehensive review. In *RENEWABLE & SUSTAINABLE ENERGY REVIEWS* (Vol. 213). PERGAMON-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.rser.2025.115456

Suwarti, Efendi, R., Massinai, R., & Pabendon, M. B. (2018). Evaluation of sweet sorghum (Sorghum bicolor L. [Moench]) on several population density for bioethanol production. In *2ND INTERNATIONAL CONFERENCE ON BIOMASS: TOWARD SUSTAINABLE BIOMASS UTILIZATION FOR INDUSTRIAL AND ENERGY APPLICATIONS* (Vol. 141). IOP PUBLISHING LTD. https://doi.org/10.1088/1755-1315/141/1/012032

Szabo, B. K., & Korosi, K. (2025). Storage mycotoxin producing fungi in Hungarian sorghum (Sorghum bicolor L. Moench) samples-molecular approach of Fusarium spp. In *JOURNAL OF PLANT PATHOLOGY* (Vol. 107, Issues 1, SI, pp. 109–115). SPRINGER. https://doi.org/10.1007/s42161-024-01624-0

Upadhyaya, H. D., Dwivedi, S. L., Wang, Y.-H., & Vetriventhan, M. (2019). Sorghum Genetic Resources. In I. Ciampitti & P. Prasad (Eds.), *SORGHUM: A STATE OF THE ART AND FUTURE PERSPETIVES* (Vol. 58, pp. 47–72). AMER SOC AGRONOMY. https://doi.org/10.2134/agronmonogr58.2014.0056.5

Upadhyaya, H. D., Reddy, K. N., Vetriventhan, M., Ahmed, M. I., Krishna, G. M., Reddy, M. T., & Singh, S. K. (2017). Sorghum germplasm from West and Central Africa maintained in the ICRISAT genebank: Status, gaps, and diversity. In *CROP JOURNAL* (Vol. 5, Issue 6, pp. 518–532). KEAI PUBLISHING LTD. https://doi.org/10.1016/j.cj.2017.07.002

Veldandi, S., Shivani, D., Ramesh, S., Maheswaramma, S., Sujatha, K., Sravanthi, K., Yamini, K. N., Varaprasad, B. V., & Kumar, C. V. S. (2024). Characterization of genetic variability among sorghum genotypes by morphological descriptors associated with high yield and shoot fly resistance. In *CEREAL RESEARCH COMMUNICATIONS* (Vol. 52, Issue 4, pp. 1723–1729). SPRINGER HEIDELBERG. https://doi.org/10.1007/s42976-023-00473-4

Vieira de Paula, L. R., Barreto, R. W., & da Nobrega, T. F. (2022). Sooty leaf spot-a new fungal disease of sorghum caused by Paraphaeosphaeria sorghi sp. Nov. In *TROPICAL PLANT PATHOLOGY* (Vol. 47, Issue 5, pp. 618–625). SPRINGER. https://doi.org/10.1007/s40858-022-00522-z

Vinutha, K. S., Kumar, G. S. A., Blummel, M., & Rao, P. S. (2017). Evaluation of yield and forage quality in main and ratoon crops of different sorghum lines. In *TROPICAL GRASSLANDS-FORRAJES TROPICALES* (Vol. 5, Issue 1, pp. 40–49). CENTRO INT AGRICULTURA TROPICAL-CIAT. https://doi.org/10.17138/TGFT(5)40-49

Wakchaure, G. C., Choudhary, R. L., Kaledhonkar, M. J., & Bal, S. K. (2015). Effect of precision land levelling on microenvironment and sorghum productivity in water scarce Deccan region. In *JOURNAL OF AGROMETEOROLOGY* (Vol. 17, Issue 2, pp. 149–157). ASSOC AGROMETEROLOGISTS.

Wang, L., Shang, L., Wu, X., Hao, H., & Jing, H.-C. (2023). Genomic architecture of leaf senescence in sorghum (Sorghum bicolor). In *THEORETICAL AND APPLIED GENETICS* (Vol. 136, Issue 3). SPRINGER. https://doi.org/10.1007/s00122-023-04315-z

White, J. W., Alagarswamy, G., Ottman, M. J., Porter, C. H., Singh, U., & Hoogenboom, G. (2015). An Overview of CERES-Sorghum as Implemented in the Cropping System Model Version 4.5. In *AGRONOMY JOURNAL* (Vol. 107, Issue 6, pp. 1987–2002). AMER SOC AGRONOMY. https://doi.org/10.2134/agronj15.0102

Wu, X., Liu, Y., Leng, C., Liu, Z., Li, Z., Lu, X., Cai, H., Hao, H., & Jing, H.-C. (2022). Genomic footprints of sorghum domestication and breeding selection for multiple end uses. In *MOLECULAR PLANT* (Vol. 15, Issue 3, pp. 537–551). CELL PRESS. https://doi.org/10.1016/j.molp.2022.01.002

Wu, Y., Wang, Y., Liu, Z., & Wang, J. (2023). Extraction, Identification and Antioxidant Activity of 3-Deoxyanthocyanidins from Sorghum bicolor L. Moench Cultivated in China. In *ANTIOXIDANTS* (Vol. 12, Issue 2). MDPI. https://doi.org/10.3390/antiox12020468

Zhao, G., Kuang, G., Wang, Y., Yao, Y., Zhang, J., & Pan, Z.-H. (2020). Effect of steam explosion on physicochemical properties and fermentation characteristics of sorghum (Sorghum bicolor (L.) Moench). In *LWT-FOOD SCIENCE AND TECHNOLOGY* (Vol. 129). ELSEVIER. https://doi.org/10.1016/j.lwt.2020.109579

Kiprovski, B., Mikulic-Petkovsek, M., Slatnar, A., Veberic, R., Stampar, F., Malencic, D., Latkovic, D. (2015). Comparison of phenolic profiles and antioxidant properties of European Fagopyrum esculentum cultivars. In FOOD CHEMISTRY, 185: 41-47. https://doi.org/10.1016/j.foodchem.2015.03.137

Овај рад има укупно 51 цитат у бази Web of Science, од којих су сви цитати без аутоцитата:

Amarowicz, R., & Pegg, R. B. (2019). Natural antioxidants of plant origin. In I. Ferreira & L. Barros (Eds.), *FUNCTIONAL FOOD INGREDIENTS FROM PLANTS* (Vol. 90, pp. 1–81). ACADEMIC PRESS LTD-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/bs.afnr.2019.02.011

Amiri, M., Arab, M., & Mortazavian, A. M. (2025). The effect of cold plasma treatment on the phenolic and flavonoid content and antioxidant activity of whole buckwheat grain and flour. In *SCIENTIFIC REPORTS* (Vol. 15, Issue 1). NATURE PORTFOLIO. https://doi.org/10.1038/s41598-025-10281-x

Amiri, M., Arab, M., Sadrabad, E. K., Mollakhalili-Meybodi, N., & Fallahzadeh, H. (2023). Effect of gamma irradiation treatment on the antioxidant activity, phenolic compounds and flavonoid content of common buckwheat. In *RADIATION PHYSICS AND CHEMISTRY* (Vol. 212). PERGAMON-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.radphyschem.2023.111127

Borovaya, S. A., & Klykov, A. G. (2020). Some aspects of flavonoid biosynthesis and accumulation in buckwheat plants. In *PLANT BIOTECHNOLOGY REPORTS* (Vol. 14, Issue 2, pp. 213–225). SPRINGER. https://doi.org/10.1007/s11816-020-00614-9

Brozkova, I., Zapletal, T., Kroutilova, L., Hajek, T., Mot'kova, P., & Cervenka, L. (2018). The effect of soaking regime and moderate drying temperature on the quality of buckwheat-based product. In *JOURNAL OF CEREAL SCIENCE* (Vol. 81, pp. 15–21). ACADEMIC PRESS LTD- ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.jcs.2018.01.015

Cepkova, P. H., Janovska, D., Bernhart, M., Svoboda, P., Jagr, M., & Meglic, V. (2025). The Diversity of Morphological Traits and Seed Metabolomic Composition in Buckwheat Genetic Resources. In *PLANTS-BASEL* (Vol. 14, Issue 6). MDPI. https://doi.org/10.3390/plants14060903

Chettry, U., & Chrungoo, N. K. (2021). Beyond the Cereal Box: Breeding Buckwheat as a Strategic Crop for Human Nutrition. In *PLANT FOODS FOR HUMAN NUTRITION* (Vol. 76, Issue 4, pp. 399–409). SPRINGER. https://doi.org/10.1007/s11130-021-00930-7

Choi, Y.-M., Yoon, H., Lee, S., Hyun, D. Y., Lee, M.-C., Oh, S., & Rauf, M. (2021). Characterization of Agro-morphological Traits of Tartary Buckwheat Germplasm Under Spring Cultivation and Analysis of Health-Related Primary Bioactive Components in Seeds by HPLC Method. In *JOURNAL OF PLANT BIOLOGY* (Vol. 64, Issue 1, pp. 87–98). SPRINGER HEIDELBERG. https://doi.org/10.1007/s12374-020-09286-y

Di Marco, F., Trevisani, F., Vignolini, P., Urciuoli, S., Salonia, A., Montorsi, F., Romani, A., Vago, R., & Bettiga, A. (2021). Preliminary Study on Pasta Samples Characterized in Antioxidant Compounds and Their Biological Activity on Kidney Cells. In *NUTRIENTS* (Vol. 13, Issue 4). MDPI. https://doi.org/10.3390/nu13041131

Dziadek, K., Kopec, A., Pastucha, E., Piatkowska, E., Leszczynska, T., Pisulewska, E., Witkowicz, R., & Francik, R. (2016). Basic chemical composition and bioactive compounds content in selected cultivars of buckwheat whole seeds, dehulled seeds and hulls. In *JOURNAL OF CEREAL SCIENCE* (Vol. 69, pp. 1–8). ACADEMIC PRESS LTD-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.jcs.2016.02.004

Dziadek, K., Kopec, A., Piatkowska, E., Leszczynska, T., Pisulewska, E., Witkowicz, R., Bystrowska, B., & Francik, R. (2018). Identification of polyphenolic compounds and determination of antioxidant activity in extracts and infusions of buckwheat leaves. In *EUROPEAN FOOD RESEARCH AND TECHNOLOGY* (Vol. 244, Issue 2, pp. 333–343). SPRINGER. https://doi.org/10.1007/s00217-017-2959-2

Hostetler, G. L., Ralston, R. A., & Schwartz, S. J. (2017). Flavones: Food Sources, Bioavailability, Metabolism, and Bioactivity. In *ADVANCES IN NUTRITION* (Vol. 8, Issue 3, pp. 423–435). ELSEVIER SCIENCE INC. https://doi.org/10.3945/an.116.012948

Huda, Md. N., Lu, S., Jahan, T., Ding, M., Jha, R., Zhang, K., Zhang, W., Georgiev, M. I., Park, S. U., & Zhou, M. (2021). Treasure from garden: Bioactive compounds of buckwheat. In *FOOD CHEMISTRY* (Vol. 335). ELSEVIER SCI LTD. https://doi.org/10.1016/j.foodchem.2020.127653

Janovska, D., & Cepkova, P. H. (2016). Nutritional Aspects of Buckwheat in the Czech Republic. In M. Zhou, I. Kreft, S. Woo, N. Chrungoo, & G. Wieslander (Eds.), *MOLECULAR BREEDING AND NUTRITIONAL ASPECTS OF BUCKWHEAT* (pp. 177–192). ACADEMIC PRESS LTD-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/B978-0-12-803692-1.00014-6

Janovska, D., Jagr, M., Svoboda, P., Dvoracek, V., Meglic, V., & Hlasna Cepkova, P. (2021). Breeding Buckwheat for Nutritional Quality in the Czech Republic. In *PLANTS-BASEL* (Vol. 10, Issue 7). MDPI. https://doi.org/10.3390/plants10071262

Jovanovic, M., Vunduk, J., Mitic-Culafic, D., Svircev, E., Vojvodic, P., Tomic, N., Ismi, L. N., & Tenji, D. (2024). New Perspectives on the Old Uses of Traditional Medicinal and Edible Herbs: Extract and Spent Material of Persicaria hydropiper (L.) Delarbre. In *NUTRIENTS* (Vol. 16, Issue 19). MDPI. https://doi.org/10.3390/nu16193368

Kang, M. S., Ham, Y.-M., Oh, D.-J., Jung, Y.-H., Han, S.-I., & Kim, J. H. (2021). Lapathoside A Isolated from Fagopyrum esculentum Induces Apoptosis in Human Pancreatic Cancer Cells. In *ANTICANCER RESEARCH* (Vol. 41, Issue 2, pp. 747–756). INT INST ANTICANCER RESEARCH. https://doi.org/10.21873/anticanres.14826

Karamac, M., Biskup, I., & Kulczyk, A. (2015). Fractionation of Buckwheat Seed Phenolics and Analysis of Their Antioxidant Activity. In *POLISH JOURNAL OF FOOD AND NUTRITION SCIENCES* (Vol. 65, Issue 4, pp. 243–249). DE GRUYTER OPEN LTD. https://doi.org/10.1515/pjfns-2015-0050

Kidaj, D., Zamlynska, K., Swatek, A., & Komaniecka, I. (2024). The Influence of Rhizobial Nod Factors on the Synthesis of Flavonoids in Common Buckwheat (Fagopyrum esculentum Moench). In *MOLECULES* (Vol. 29, Issue 19). MDPI. https://doi.org/10.3390/molecules29194546

Kiss, A., Takacs, K., Nagy, A., Nagy-Gasztonyi, M., Cserhalmi, Z., Naar, Z., Halasi, T., Csaki, J., & Nemedi, E. (2019). In vivo and in vitro model studies on noodles prepared with antioxidant-rich pseudocereals. In *JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION* (Vol. 13, Issue 4, pp. 2696–2704). SPRINGER. https://doi.org/10.1007/s11694-019-00190-9

Klepacka, J., & Najda, A. (2021). Effect of commercial processing on polyphenols and antioxidant activity of buckwheat seeds. In *INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY* (Vol. 56, Issue 2, pp. 661–670). OXFORD UNIV PRESS. https://doi.org/10.1111/ijfs.14714

Koja, E., Ohata, S., Maruyama, Y., Suzuki, H., Shimosaka, M., & Taguchi, G. (2018). Identification and characterization of a rhamnosyltransferase involved in rutin biosynthesis in Fagopyrum esculentum (common buckwheat). In *BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY* (Vol. 82, Issue 10, pp. 1790–1802). TAYLOR & FRANCIS LTD. https://doi.org/10.1080/09168451.2018.1491286

Kreft, M. (2016). Buckwheat phenolic metabolites in health and disease. In *NUTRITION RESEARCH REVIEWS* (Vol. 29, Issue 1, pp. 30–39). CAMBRIDGE UNIV PRESS. https://doi.org/10.1017/S0954422415000190

Lee, H., Lim, T., Kim, J., Kim, R. H., & Hwang, K. T. (2022). Phenolics in buckwheat hull extracts and their antioxidant activities on bulk oil and emulsions. In *JOURNAL OF FOOD SCIENCE* (Vol. 87, Issue 7, pp. 2831–2846). WILEY. https://doi.org/10.1111/1750-3841.16175

Lo Bianco, M., Siracusa, L., Dattilo, S., Venora, G., & Ruberto, G. (2017). Phenolic Fingerprint of Sicilian Modern Cultivars and Durum Wheat Landraces: A Tool to Assess Biodiversity. In *CEREAL CHEMISTRY* (Vol. 94, Issue 6, pp. 1045–1051). AACC INTERNATIONAL. https://doi.org/10.1094/CCHEM-06-17-0125-R

Mariia, B., Viktoriia, G., Olena, H., Ivan, M., & Olha, T. (2024). Effect of storage time on antioxidant content in seeds of agricultural plants. In *AMAZONIA INVESTIGA* (Vol. 13, Issue 81, pp. 142–156). Editorial Primmate. https://doi.org/10.34069/AI/2024.81.09.11

Matsui, K., Oshima, Y., Mitsuda, N., Sakamoto, S., Nishiba, Y., Walker, A. R., Ohme-Takagi, M., Robinson, S. P., Yasui, Y., Mori, M., & Takami, H. (2018). Buckwheat R2R3 MYB transcription factor FeMYBF1 regulates flavonol biosynthesis. In *PLANT SCIENCE* (Vol. 274, pp. 466–475). ELSEVIER IRELAND LTD. https://doi.org/10.1016/j.plantsci.2018.06.025

Matsui, K., & Walker, A. (2020). Biosynthesis and regulation of flavonoids in buckwheat. In *BREEDING SCIENCE* (Vol. 70, Issue 1, pp. 74–84). JAPANESE SOC BREEDING. https://doi.org/10.1270/jsbbs.19041

Mikulajova, A., Matejcekova, Z., Mosovska, S., Kohajdova, Z., Valik, L., & Hybenova, E. (2021). Fermented Cranberry Fortified Buckwheat Product-Phenolic Composition, Antioxidant and Microbiological Properties. In *APPLIED SCIENCES-BASEL* (Vol. 11, Issue 19). MDPI. https://doi.org/10.3390/app11199241

Mikulajova, A., Sediva, D., Hybenova, E., & Mosovska, S. (2016). Buckwheat cultivars—Phenolic compounds profiles and antioxidant properties. In *ACTA CHIMICA SLOVACA* (Vol. 9, Issue 2, pp. 124–129). DE GRUYTER POLAND SP ZOO. https://doi.org/10.1515/acs-2016-0021

Moura Fernandes, T. O., Costa, K. P., de Melo Rocha, A. P., Fernandes, L. A., Brant Albuquerque, C. J., Azevedo, A. M., & Martins, E. R. (2022). Influence of base saturation on buckwheat grain and flavonoid production. In *SEMINA-CIENCIAS AGRARIAS* (Vol. 43, Issue 3, pp. 1095–1110). UNIV ESTADUAL LONDRINA. https://doi.org/10.5433/1679-0359.2022v43n3p1095

Munekata, P. E. S., Gullon, B., Pateiro, M., Tomasevic, I., Dominguez, R., & Lorenzo, J. M. (2020). Natural Antioxidants from Seeds and Their Application in Meat Products. In *ANTIOXIDANTS* (Vol. 9, Issue 9). MDPI. https://doi.org/10.3390/antiox9090815

Navarro-Hoyos, M., Lebron-Aguilar, R., Quintanilla-Lopez, J. E., Cueva, C., Hevia, D., Quesada, S., Azofeifa, G., Moreno-Arribas, M. V., Monagas, M., & Bartolome, B. (2017). Proanthocyanidin Characterization and Bioactivity of Extracts from Different Parts of Uncaria tomentosa L. (Cat's Claw). In *ANTIOXIDANTS* (Vol. 6, Issue 1). MDPI. https://doi.org/10.3390/antiox6010012

Naz, S., Hanif, M. A., Bhatti, H. N., & Shahid, M. (2016). PARTITION, FRACTIONATION, ANTIOXIDANT POTENTIAL AND PHENOLICS PROFILING OF Cannabis sativa GROWING IN PAKISTAN. In *OXIDATION COMMUNICATIONS* (Vol. 39, Issues 4, 1, pp. 2946–2960). SCIBULCOM LTD.

Nisar, M. F., Wan, C., Manzoor, Z., Waqas, Y., Niaz, K., & Ayaz, M. M. (2020). Glycosidic derivatives of flavonoids. In A. Silva, S. Nabavi, M. Saeedi, & S. Nabavi (Eds.), *RECENT ADVANCES IN NATURAL PRODUCTS ANALYSIS* (pp. 57–84). ELSEVIER.

Oniszczuk, A. (2016). LC-ESI-MS/MS Analysis and Extraction Method of Phenolic Acids from Gluten-Free Precooked Buckwheat Pasta. In *FOOD ANALYTICAL METHODS* (Vol. 9, Issue 11, pp. 3063–3068). SPRINGER. https://doi.org/10.1007/s12161-016-0489-3

Oniszczuk, A., Kasprzak, K., Wojtowicz, A., Oniszczuk, T., & Olech, M. (2019). The Impact of Processing Parameters on the Content of Phenolic Compounds in New Gluten-Free Precooked Buckwheat Pasta. In *MOLECULES* (Vol. 24, Issue 7). MDPI. https://doi.org/10.3390/molecules24071262

Pongrac, P., Vogel-Mikus, K., Potisek, M., Kovacec, E., Budic, B., Kump, P., Regvar, M., & Kreft, I. (2016). Mineral and Trace Element Composition and Importance for Nutritional Value of Buckwheat Grain, Groats, and Sprouts. In M. Zhou, I. Kreft, S. Woo, N. Chrungoo, & G. Wieslander (Eds.), *MOLECULAR BREEDING AND NUTRITIONAL ASPECTS OF BUCKWHEAT* (pp. 261–271). ACADEMIC PRESS LTD-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/B978-0-12-803692-1.00020-1

Rauf, M., Yoon, H., Lee, S., Hyun, D. Y., Lee, M.-C., Oh, S., & Choi, Y.-M. (2020). Evaluation of Fagopyrum esculentum Moench germplasm based on agro-morphological traits and the rutin and quercetin content of seeds under spring cultivation. In *GENETIC RESOURCES AND CROP EVOLUTION* (Vol. 67, Issue 6, pp. 1385–1403). SPRINGER. https://doi.org/10.1007/s10722-020-00899-3

Razgonova, M. P., Nawaz, M. A., Rusakova, E. A., & Golokhvast, K. S. (2025). Application of Supercritical CO2 Extraction and Identification of Polyphenolic Compounds in Three Species of Wild Rose from Kamchatka: Rosa acicularis, Rosa amblyotis, and Rosa rugosa. In *PLANTS-BASEL* (Vol. 14, Issue 1). MDPI. https://doi.org/10.3390/plants14010059

Salehi, A., Fallah, S., Kaul, H.-P., & Zitterl-Eglseer, K. (2018). Antioxidant capacity and polyphenols in buckwheat seeds from fenugreek/buckwheat intercrops as influenced by fertilization. In *JOURNAL OF CEREAL SCIENCE* (Vol. 84, pp. 142–150). ACADEMIC PRESS LTD- ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.jcs.2018.06.004

Schendel, R. R. (2019). Phenol content in sprouted grains. In H. Feng, B. Nemzer, & J. DeVries (Eds.), *SPROUTED GRAINS: NUTRITIONAL VALUE, PRODUCTION, AND APPLICATIONS* (pp. 247–315). WOODHEAD PUBL LTD. https://doi.org/10.1016/B978-0-12-811525-1.00010-5

Singh, M., Malhotra, N., & Sharma, K. (2020). Buckwheat (Fagopyrumsp.) genetic resources: What can they contribute towards nutritional security of changing world? In *GENETIC RESOURCES AND CROP EVOLUTION* (Vol. 67, Issue 7, pp. 1639–1658). SPRINGER. https://doi.org/10.1007/s10722-020-00961-0

Sinkovic, L., Sinkovic, D. K., & Meglic, V. (2021). Milling fractions composition of common (Fagopyrum esculentum Moench) and Tartary (Fagopyrum tataricum (L.) Gaertn.) buckwheat. In *FOOD CHEMISTRY* (Vol. 365). ELSEVIER SCI LTD. https://doi.org/10.1016/j.foodchem.2021.130459

Siracusa, L., Gresta, F., Sperlinga, E., & Ruberto, G. (2017). Effect of sowing time and soil water content on grain yield and phenolic profile of four buckwheat (Fagopyrum esculentum Moench.) varieties in a Mediterranean environment. In *JOURNAL OF FOOD COMPOSITION AND ANALYSIS* (Vol. 62, pp. 1–7). ACADEMIC PRESS INC ELSEVIER SCIENCE. https://doi.org/10.1016/j.jfca.2017.04.005

Taguchi, G. (2016). Flavonoid Biosynthesis in Buckwheat. In M. Zhou, I. Kreft, S. Woo, N. Chrungoo, & G. Wieslander (Eds.), *MOLECULAR BREEDING AND NUTRITIONAL ASPECTS OF BUCKWHEAT* (pp. 377–386). ACADEMIC PRESS LTD-ELSEVIER SCIENCE LTD. https://doi.org/10.1016/B978-0-12-803692-1.00030-4

Vollmannova, A., Musilova, J., Lidikova, J., Arvay, J., Snirc, M., Toth, T., Bojnanska, T., Cicova, I., Kreft, I., & Germ, M. (2021). Concentrations of Phenolic Acids Are Differently Genetically Determined in Leaves, Flowers, and Grain of Common Buckwheat (Fagopyrum esculentum Moench). In *PLANTS-BASEL* (Vol. 10, Issue 6). MDPI. https://doi.org/10.3390/plants10061142

Yang, J., Luo, Z., Liu, F., Han, L., He, C., & Wang, M. (2022). Nanocellulose Prepared from Buckwheat Bran: Physicochemical Characterization, Cytotoxicity Evaluation, and Inhibition Effect on Fat Digestion and

Absorption. In *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY*. AMER CHEMICAL SOC. https://doi.org/10.1021/acs.jafc.2c03482

Zhang, W., Zhu, Y., Liu, Q., Bao, J., & Liu, Q. (2017). Identification and quantification of polyphenols in hull, bran and endosperm of common buckwheat (Fagopyrum esculentum) seeds. In *JOURNAL OF FUNCTIONAL FOODS* (Vol. 38, Issue A, pp. 363–369). ELSEVIER SCIENCE BV. https://doi.org/10.1016/j.jff.2017.09.024

Zhao, X., Li, C., Jiang, Y., Wang, M., Wang, B., Xiao, L., Xu, X., Chai, D., & Dong, L. (2021). Metabolite fingerprinting of buckwheat in the malting process. In *JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION* (Vol. 15, Issue 2, pp. 1475–1486). SPRINGER. https://doi.org/10.1007/s11694-020-00737-1

Zivkovic, A., Polak, T., Cigic, B., & Pozrl, T. (2021). Germinated Buckwheat: Effects of Dehulling on Phenolics Profile and Antioxidant Activity of Buckwheat Seeds. In *FOODS* (Vol. 10, Issue 4). MDPI. https://doi.org/10.3390/foods10040740

Milic, S., Ninkov, J., Zeremski, T., Latkovic, D., Seremesic, S., Radovanovic, V., Zarkovic, B. (2019). Soil fertility and phosphorus fractions in a calcareous chernozem after a long-term field experiment. In GEODERMA, 339: 9-19. https://doi.org/10.1016/j.geoderma.2018.12.017

Овај рад има укупно 40 цитата у бази Web of Science, односно 38 цитата без аутоцитата:

Aliyat, F. Z., El Guilli, M., Nassiri, L., & Ibijbijen, J. (2021). Effect of seed inoculation with phosphate solubilizing bacteria isolated from phosphate solid sludge on seedling growth of wheat (Triticum durum `Karim'). In F. Giuffrida, P. Zaccheo, & C. Cattivello (Eds.), *III INTERNATIONAL SYMPOSIUM ON GROWING MEDIA, COMPOSTING AND SUBSTRATE ANALYSIS* (Vol. 1305, pp. 147–154). INT SOC HORTICULTURAL SCIENCE. https://doi.org/10.17660/ActaHortic.2021.1305.21

Chen, G.-L., Xiao, L., Xia, Q.-L., Wang, Y., Yuan, J.-H., Chen, H., Wang, S.-Q., & Zhu, Y.-Y. (2021). Characterization of Different Phosphorus Forms in Flooded and Upland Paddy Soils Incubated with Various Manures. In *ACS OMEGA* (Vol. 6, Issue 4, pp. 3259–3266). AMER CHEMICAL SOC. https://doi.org/10.1021/acsomega.0c05748

Chen, S., Jiang, J., Wei, L., Lei, J., Fenton, O., Daly, K., & Chen, Q. (2023). Partial substitution of chemical fertilizers with manure alters soil phosphorus fractions and optimizes vegetable production in alkaline soil. In *ARCHIVES OF AGRONOMY AND SOIL SCIENCE* (Vol. 69, Issue 4, pp. 583–598). TAYLOR & FRANCIS LTD. https://doi.org/10.1080/03650340.2021.2018575

Dong, R., Hu, W., Bu, L., Cheng, H., & Liu, G. (2024). Legume cover crops alter soil phosphorus availability and microbial community composition in mango orchards in karst areas. In *AGRICULTURE ECOSYSTEMS & ENVIRONMENT* (Vol. 364). ELSEVIER. https://doi.org/10.1016/j.agee.2024.108906

Gao, G., Yan, L., Tong, K., Yu, H., Lu, M., Wang, L., & Niu, Y. (2024). The potential and prospects of modified biochar for comprehensive management of salt-affected soils and plants: A critical review. In *SCIENCE OF THE TOTAL ENVIRONMENT* (Vol. 912). ELSEVIER. https://doi.org/10.1016/j.scitotenv.2023.169618

Hadj Mohamed, K., Sassi Aydi, S., Aydi, S., Rahmani, R., Haddad, M., Lante, A., Tinello, F., BIenvenuti, S., & Bousnina, H. (2023). Soil fertilization practices affect growth, yield and quality of essential oil of Matricaria Recutita grown in Tunisian oases. In *COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS* (Vol. 54, Issue 18, pp. 2535–2550). TAYLOR & FRANCIS INC. https://doi.org/10.1080/00103624.2023.2227215

Hu, Y., Jarosch, K. A., Kavka, M., & Eichler-Loebermann, B. (2022). Fate of P from organic and inorganic fertilizers assessed by complementary approaches. In *NUTRIENT CYCLING IN AGROECOSYSTEMS* (Vol. 124, Issues 2, SI, pp. 189–209). SPRINGER. https://doi.org/10.1007/s10705-022-10237-x

Huang, J., Qaswar, M., Khan, M. N., Liu, S., Han, T., Liu, K., Li, D., Zhang, H., & Gao, J. (2021). Long-Term Application of Chemical and Organic Fertilizers over 35 Years Differentially Affects Interannual Variation in Soil Inorganic Phosphorus Fractions in Acidic Paddy Soil. In *EURASIAN SOIL SCIENCE* (Vol. 54, Issue 5, pp. 772–782). PLEIADES PUBLISHING LTD. https://doi.org/10.1134/S1064229321050112

Huang, J., Zhou, L., Liu, S., Han, T.-F., Hayatu, N. G., Li, D.-C., Zhang, S.-X., Wang, B.-R., & Zhang, H.-M. (2021). Vertical distribution of phosphorus fractions and the environmental critical phosphorus level in acidic red soil under long-term fertilizer and lime application in southern China. In *JOURNAL OF PLANT NUTRITION AND SOIL SCIENCE* (Vol. 184, Issue 5, pp. 585–595). WILEY-V C H VERLAG GMBH. https://doi.org/10.1002/jpln.202100098

Kang, L., Wang, J., Zhang, L., Sun, Y., & Chu, G. (2022). Tracing the Transformation and Allocation of the Newly Applied-P in Calcareous Soil Using an Enriched Oxygen Isotope Labeling Technique. In *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY*. AMER CHEMICAL SOC. https://doi.org/10.1021/acs.jafc.2c03933

Kang, L., Zhang, G., & Chu, G. (2021). Split delivering phosphorus via fertigation to a calcareous soil increased P availability and maize yield (Zea mays L.) by reducing P fixation. In *JOURNAL OF SOILS AND SEDIMENTS* (Vol. 21, Issue 6, pp. 2287–2300). SPRINGER HEIDELBERG. https://doi.org/10.1007/s11368-021-02914-1

Kannan, A., Pillai, M. P., & Subramanium, T. (2024). Bioactivation of Legacy Phosphorus in Calcareous Soil by P-Activators and Its Effect on Maize Growth. In *COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS* (Vol. 55, Issue 16, pp. 2393–2407). TAYLOR & FRANCIS INC. https://doi.org/10.1080/00103624.2024.2359579

Khan, A., Guo, S., Rui, W., He, B., Li, T., & Mahmood, U. (2023). The Impact of Long-term Phosphorus Fertilization on Soil Aggregation and Aggregate-Associated P Fractions in Wheat-Broomcorn Millet/Pea Cropping Systems. In

JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION (Vol. 23, Issue 2, pp. 2755–2769). SPRINGER INT PUBL AG. https://doi.org/10.1007/s42729-023-01232-4

Kodaolu, B., Mohammed, I., Wang, Y., Zhang, T., Audette, Y., & Longstaffe, J. (2024). Assessment of phosphorus status in a calcareous soil receiving long-term application of chemical fertilizer and different forms of swine manures. In *JOURNAL OF ENVIRONMENTAL QUALITY* (Vol. 53, Issue 1, pp. 112–122). WILEY. https://doi.org/10.1002/jeq2.20528

Kuzin, A. I., Kashirskaya, N. Ya., Solovchenko, A. E., Kushner, A. V., Kochkina, A. M., Stepantzova, L. V., & Krasin, V. N. (2023). Foliar Mn and Zn Treatments Improve Apple Tree Nutrition and Help to Maintain Favorable Soil pH. In *HORTICULTURAE* (Vol. 9, Issue 10). MDPI. https://doi.org/10.3390/horticulturae9101144

Li, Y., & Li, G. (2022). Mechanisms of straw biochar's improvement of phosphorus bioavailability in soda saline-alkali soil. In *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH* (Vol. 29, Issue 32, pp. 47867–47872). SPRINGER HEIDELBERG. https://doi.org/10.1007/s11356-022-20489-3

Liu, Z., Hou, L., Zhu, Y., & Xu, X. (2021). Vertical distribution and regulation of Olsen-phosphorus in 6-m soil profiles after farmland-to-apple orchard conversion on the Chinese Loess Plateau. In *CATENA* (Vol. 202). ELSEVIER. https://doi.org/10.1016/j.catena.2021.105254

Lu, X. C., Han, X. Z., Chen, X., Yan, Y., You, M. Y., Kwaw-Mensah, D., Hao, X. X., & Zou, W. X. (2020). CHANGES OF SOIL PHOSPHORUS FRACTIONS IN PARENT MATERIAL OF A MOLLISOL AT THE EARLY PEDOGENIC STAGE IN NORTHEAST CHINA. In *APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH* (Vol. 18, Issue 2, pp. 2935–2948). ALOKI Applied Ecological Research and Forensic Inst Ltd. https://doi.org/10.15666/aeer/1802_29352948

Luo, L., Zhang, X., Zhang, M., Wei, P., Chai, R., Wang, Y., Zhang, C., & Siddique, K. H. M. (2023). Improving Wheat Yield and Phosphorus Use Efficiency through the Optimization of Phosphorus Fertilizer Types Based on Soil P Pool Characteristics in Calcareous and Non-Calcareous Soil. In *AGRONOMY-BASEL* (Vol. 13, Issue 3). MDPI. https://doi.org/10.3390/agronomy13030928

Omenda, J. A., Ngetich, K. F., Kiboi, M. N., Mucheru-Muna, M. W., & Mugendi, D. N. (2021). Phosphorus availability and exchangeable aluminum response to phosphate rock and organic inputs in the Central Highlands of Kenya. In *HELIYON* (Vol. 7, Issue 3). ELSEVIER SCI LTD. https://doi.org/10.1016/j.heliyon.2021.e06371

Peng, S., Zhang, X., Sun, L., Chai, R., Zhang, C., Chen, X., Luo, L., & Siddique, K. H. M. (2025). Matching Phosphorus Fertilizer Types with Soil Type in Rice Cultivation Optimizes Yield, Soil Phosphorus Availability, and Phosphorus Fertilizer Use Efficiency. In *AGRICULTURE-BASEL* (Vol. 15, Issue 2). MDPI. https://doi.org/10.3390/agriculture15020172

Peng, Z., Zhang, Y., Jiang, N., Hu, J., Qiu, W., Jing, G., Wang, S., Zhao, M., Chen, Z., & Chen, L. (2025). Synergistic effects of Nano Titanium Dioxide, Phosphate-solubilizing bacteria, and yeast peptides on phosphorus availability and Bok Choy growth in Calcareous soil. In *PLANT AND SOIL*. SPRINGER. https://doi.org/10.1007/s11104-025-07635-9

Qin, X., Guo, S., Zhai, L., Pan, J., Khoshnevisan, B., Wu, S., Wang, H., Yang, B., Ji, J., & Liu, H. (2020). How long-term excessive manure application affects soil phosphorous species and risk of phosphorous loss in fluvo-aquic soil. In *ENVIRONMENTAL POLLUTION* (Vol. 266, Issue 2). ELSEVIER SCI LTD. https://doi.org/10.1016/j.envpol.2020.115304

Savic, R., Ondrasek, G., Zemunac, R., Kovacic, M. B., Kranjcec, F., Jokanovic, V. N., & Bezdan, A. (2021). Longitudinal distribution of macronutrients in the sediments of Jegricka watercourse in Vojvodina, Serbia. In *SCIENCE OF THE TOTAL ENVIRONMENT* (Vol. 754). ELSEVIER. https://doi.org/10.1016/j.scitotenv.2020.142138

Sun, F., Sun, N., Ma, X., Zhou, B., Zhu, P., Gao, H., & Xu, M. (2022). The Application of Fertilizer Phosphorus Affected Olsen P and the Phosphorus Fractions of Hedley Method in Black Soil. In *AGRONOMY-BASEL* (Vol. 12, Issue 12). MDPI. https://doi.org/10.3390/agronomy12123146

Wang, Q., Guo, D., Xu, Y., & Ma, Y. (2022a). Transformation of soil phosphorus fractions: The role of time and fertilisation. In *SOIL RESEARCH* (Vol. 60, Issue 8). CSIRO PUBLISHING. https://doi.org/10.1871/SR21127

Wang, Q., Guo, D., Xu, Y., & Ma, Y. (2022b). Transformation of soil phosphorus fractions: The role of time and fertilisation. In *SOIL RESEARCH*. CSIRO PUBLISHING. https://doi.org/10.1071/SR21127

Wang, R., Wu, J., Wang, Y., Sun, Z., Ma, W., Xue, C., & Xu, H. (2025). Legacy Effects of Different Preceding Crops on Grain Yield, Protein Fractions and Soil Nutrients in Subsequent Winter Wheat. In *PLANTS-BASEL* (Vol. 14, Issue 16). MDPI. https://doi.org/10.3390/plants14162598

Wang, Y., Peng, X., Whalen, J. K., Shi, Y., Lu, C., Huang, B., Zhang, X., & Chen, X. (2022). Can periodic phosphorus fertilizer applications reduce the risk of P loss ? In *NUTRIENT CYCLING IN AGROECOSYSTEMS* (Vol. 124, Issues 2, SI, pp. 135–151). SPRINGER. https://doi.org/10.1007/s10705-021-10184-z

Wang, Y., Yang, X., Xu, M., & Geissen, V. (2022). Variations of soil phosphatase activity and phosphorus fractions in ginger fields exposed to different years of chloropicrin fumigation. In *JOURNAL OF SOILS AND SEDIMENTS* (Vol. 22, Issue 5, pp. 1372–1384). SPRINGER HEIDELBERG. https://doi.org/10.1007/s11368-022-03135-w

Wei, L., Chen, S., Cui, J., Ping, H., Yuan, C., & Chen, Q. (2022). A meta-analysis of arable soil phosphorus pools response to manure application as influenced by manure types, soil properties, and climate. In *JOURNAL OF ENVIRONMENTAL MANAGEMENT* (Vol. 313). ACADEMIC PRESS LTD- ELSEVIER SCIENCE LTD. https://doi.org/10.1016/j.jenvman.2022.115006

Xie, Y., Yang, X., Li, W., Li, J., Wu, T., Wang, H., Huang, J., & Xu, F. (2022). Enhanced removal of glyphosate from aqueous solution by nano-CaO2/AS composite: Oxidation and precipitation. In *SEPARATION AND PURIFICATION TECHNOLOGY* (Vol. 288). ELSEVIER. https://doi.org/10.1016/j.seppur.2021.120349

Yan, X., Yang, W., Chen, X., Wang, M., Wang, W., Ye, D., & Wu, L. (2020). Soil Phosphorus Pools, Bioavailability and Environmental Risk in Response to the Phosphorus Supply in the Red Soil of Southern China. In *INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH* (Vol. 17, Issue 20). MDPI. https://doi.org/10.3390/ijerph17207384

Zhang, L., Chen, J., & Chu, G. (2022). Legacy phosphorus in calcareous soil under 33 years of P fertilizer application: Implications for efficient P management in agriculture. In *SOIL USE AND MANAGEMENT* (Vol. 38, Issue 3, pp. 1380–1393). WILEY. https://doi.org/10.1111/sum.12792

Zhang, Q., Zou, D., Zeng, X., Li, L., Wang, A., Liu, F., Wang, H., Zeng, Q., & Xiao, Z. (2021). Effect of the direct use of biomass in agricultural soil on heavy metals—Activation or immobilization? In *ENVIRONMENTAL POLLUTION* (Vol. 272). ELSEVIER SCI LTD. https://doi.org/10.1016/j.envpol.2020.115989

Zhang, W., Wang, Q., Wu, Q., Zhang, S., Zhu, P., Peng, C., Huang, S., Wang, B., & Zhang, H. (2020). The response of soil Olsen-P to the P budgets of three typical cropland soil types under long-term fertilization. In *PLOS ONE* (Vol. 15, Issue 3). PUBLIC LIBRARY SCIENCE. https://doi.org/10.1371/journal.pone.0230178

Zhou, L., Zhao, T., Thu, N., Zhao, H., Zheng, Y., & Tang, L. (2024). The Synergistic Effects of Different Phosphorus Sources: Ferralsols Promoted Soil Phosphorus Transformation and Accumulation. In *AGRONOMY-BASEL* (Vol. 14, Issue 10). MDPI. https://doi.org/10.3390/agronomy14102372

Zhu, M., Huang, B., Ai, S., Liu, Z., Ai, X., Sheng, M., & Ai, Y. (2023). The distribution and availability of phosphorus fractions in restored cut slopes soil aggregates: A case study of subalpine road, southwest China. In *FRONTIERS OF ENVIRONMENTAL SCIENCE & ENGINEERING* (Vol. 17, Issue 4). HIGHER EDUCATION PRESS. https://doi.org/10.1007/s11783-023-1642-z

Zheljazkov, VD., Sikora, V., Dincheva, I., Kacániová, M., Astatkie, T., Semerdjieva, IB., Latkovic, D. (2020). Industrial, CBD, and Wild Hemp: How Different Are Their Essential Oil Profile and Antimicrobial Activity? In MOLECULES, 25(20): 4631. https://doi.org/10.3390/molecules25204631

Овај рад има укупно 35 цитата у бази Web of Science, односно 28 цитата без аутоцитата:

Aguzzi, C., Perinelli, D. R., Cespi, M., Zeppa, L., Mazzara, E., Maggi, F., Petrelli, R., Bonacucina, G., & Nabissi, M. (2023). Encapsulation of Hemp (Cannabis sativa L.) Essential Oils into Nanoemulsions for Potential Therapeutic Applications: Assessment of Cytotoxicological Profiles. In *MOLECULES* (Vol. 28, Issue 18). MDPI. https://doi.org/10.3390/molecules28186479

Barbalace, M. C., Freschi, M., Rinaldi, I., Mazzara, E., Maraldi, T., Malaguti, M., Prata, C., Maggi, F., Petrelli, R., Hrelia, S., & Angeloni, C. (2023). Identification of Anti-Neuroinflammatory Bioactive Compounds in Essential Oils and Aqueous Distillation Residues Obtained from Commercial Varieties of Cannabis sativa L. In *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES* (Vol. 24, Issue 23). MDPI. https://doi.org/10.3390/ijms242316601

Brkljaca, N., Durovic, S., Milosevic, S., Gasic, U., Pankovic, D., Zekovic, Z., & Pavlic, B. (2023). Sequential extraction approach for sustainable recovery of various hemp (Cannabis sativa L.) bioactive compounds. In *SUSTAINABLE CHEMISTRY AND PHARMACY* (Vol. 35). ELSEVIER. https://doi.org/10.1016/j.scp.2023.101213

Chawla, R., & Fang, Z. (2024). Hemp macromolecules: Crafting sustainable solutions for food and packaging innovation. In *INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES* (Vol. 273, Issue 1). ELSEVIER. https://doi.org/10.1016/j.ijbiomac.2024.132823

Curtasu, M. V., Pallesen, B. E., & Norskov, N. P. (2025). Quantitative Distribution of Polyphenolic Compounds during Plant Development in Five Varieties of Organic Hemp (Cannabis sativa L.). In *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY* (Vol. 73, Issue 26, pp. 16359–16369). AMER CHEMICAL SOC. https://doi.org/10.1021/acs.jafc.5c01299

Di Sotto, A., Gulli, M., Acquaviva, A., Tacchini, M., Di Simone, S. C., Chiavaroli, A., Recinella, L., Leone, S., Brunetti, L., Orlando, G., Flores, G. A., Venanzoni, R., Angelini, P., Menghini, L., & Ferrante, C. (2022). Phytochemical and pharmacological profiles of the essential oil from the inflorescences of the Cannabis sativa L. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 183). ELSEVIER. https://doi.org/10.1016/j.indcrop.2022.114980

El-Mernissi, R., El Menyiy, N., Moubachir, R., Zouhri, A., El-Mernissi, Y., Siddique, F., Nadeem, S., Ibork, H., El Barnossi, A., Wondmie, G. F., Bourhia, M., Bin Jardan, Y. A., Abboussi, O., & Hajji, L. (2024). Cannabis sativa L. essential oil: Chemical composition, anti-oxidant, anti-microbial properties, and acute toxicity: In vitro, in vivo, and in silico study. In *OPEN CHEMISTRY* (Vol. 22, Issue 1). DE GRUYTER POLAND SP Z O O. https://doi.org/10.1515/chem-2023-0214

Fordjour, E., Manful, C. F., Sey, A. A., Javed, R., Pham, T. H., Thomas, R., & Cheema, M. (2023). Cannabis: A multifaceted plant with endless potentials. In *FRONTIERS IN PHARMACOLOGY* (Vol. 14). FRONTIERS MEDIA SA. https://doi.org/10.3389/fphar.2023.1200269

Geppert, J., Lietzow, J., Hessel-Pras, S., Kirsch, F., Schaefer, B., & Sachse, B. (2023). Usage and health perception of cannabidiol-containing products among the population in Germany: A descriptive study conducted in 2020 and 2021. In *BMC PUBLIC HEALTH* (Vol. 23, Issue 1). BMC. https://doi.org/10.1186/s12889-023-17142-0

Isidore, E., Karim, H., & Ioannou, I. (2021). Extraction of Phenolic Compounds and Terpenes from Cannabis sativa L. By-Products: From Conventional to Intensified Processes. In *ANTIOXIDANTS* (Vol. 10, Issue 6). MDPI. https://doi.org/10.3390/antiox10060942

Joy, N., Jackson, D., & Coolong, T. (2025). A Validated GC-MS Method for Major Terpenes Quantification in Hydrodistilled Cannabis sativa Essential oil. In *PHYTOCHEMICAL ANALYSIS*. WILEY. https://doi.org/10.1002/pca.3526

Judzentiene, A., Garjonyte, R., & Budiene, J. (2023). Phytochemical Composition and Antioxidant Activity of Various Extracts of Fibre Hemp (Cannabis sativa L.) Cultivated in Lithuania. In *MOLECULES* (Vol. 28, Issue 13). MDPI. https://doi.org/10.3390/molecules28134928

Juliano, C. C. A., Mattu, I., Marchetti, M., & Usai, M. (2024). Chemical Characterization and Evaluation of the Antimicrobial Activity of Extracts from Two Cultivars of Cannabis sativa L. (Tisza and Kompolti) Grown in Sardinia. In *APPLIED SCIENCES-BASEL* (Vol. 14, Issue 8). MDPI. https://doi.org/10.3390/app14083353

Luca, S. V., Wojtanowski, K., Korona-Glowniak, I., Skalicka-Wozniak, K., Minceva, M., & Trifan, A. (2024). Spent Material Extractives from Hemp Hydrodistillation as an Underexplored Source of Antimicrobial Cannabinoids. In *ANTIBIOTICS-BASEL* (Vol. 13, Issue 6). MDPI. https://doi.org/10.3390/antibiotics13060485

Mahmud, M. S., Hossain, M. S., Ahmed, A. T. M. F., Islam, M. Z., Sarker, M. E., & Islam, M. R. (2021). Antimicrobial and Antiviral (SARS-CoV-2) Potential of Cannabinoids and Cannabis sativa: A Comprehensive Review. In *MOLECULES* (Vol. 26, Issue 23). MDPI. https://doi.org/10.3390/molecules26237216

Mazzara, E., Torresi, J., Fico, G., Papini, A., Kulbaka, N., Dall'Acqua, S., Sut, S., Garzoli, S., Mustafa, A. M., Cappellacci, L., Fiorini, D., Maggi, F., Giuliani, C., & Petrelli, R. (2022). A Comprehensive Phytochemical Analysis of Terpenes, Polyphenols and Cannabinoids, and Micromorphological Characterization of 9 Commercial Varieties of Cannabis sativa L. In *PLANTS-BASEL* (Vol. 11, Issue 7). MDPI. https://doi.org/10.3390/plants11070891

Motiejauskaite, D., Ullah, S., Kundrotaite, A., Zvirdauskiene, R., Baksinskaite, A., & Barcauskaite, K. (2023). Isolation of Biologically Active Compounds from Cannabis sativa L. Inflorescences by Using Different Extraction Solvents and Evaluation of Antimicrobial Activity. In *ANTIOXIDANTS* (Vol. 12, Issue 5). MDPI. https://doi.org/10.3390/antiox12050998

Ostapczuk, K., Apori, S. O., Estrada, G., & Tian, F. (2021). Hemp Growth Factors and Extraction Methods Effect on Antimicrobial Activity of Hemp Seed Oil: A Systematic Review. In *SEPARATIONS* (Vol. 8, Issue 10). MDPI. https://doi.org/10.3390/separations8100183

Rezghiyan, A., Esmaeili, H., & Farzaneh, M. (2025). Nanosilicon application changes the morphological attributes and essential oil compositions of hemp (Cannabis sativa L.) under water deficit stress. In *SCIENTIFIC REPORTS* (Vol. 15, Issue 1). NATURE PORTFOLIO. https://doi.org/10.1038/s41598-025-87611-6

Ribeiro, A., Alsayyed, R., Oliveira, D., Loureiro, R., & Cabral-Marques, H. (2024). Cannabinoids from C. sativa L.: Systematic Review on Potential Pharmacological Effects against Infectious Diseases Downstream and Multidrug-Resistant Pathogens. In *FUTURE PHARMACOLOGY* (Vol. 4, Issue 3, pp. 590–625). MDPI. https://doi.org/10.3390/futurepharmacol4030033

Singh, M. K., Sarita, Singh, S., Mishra, S., Shankar, U., Maurya, A., Sahu, K. S., Chakravarty, A., Aftab, N., Kumar, B., Shanker, K., Bawankule, D. U., & Verma, R. S. (2025). Investigating the phytochemical diversity and anti-inflammatory activity of a non-psychoactive genotype of Cannabis sativa L. from India. In *MICROCHEMICAL JOURNAL* (Vol. 211). ELSEVIER. https://doi.org/10.1016/j.microc.2025.113111

Sionov, R. V., & Steinberg, D. (2022). Anti-Microbial Activity of Phytocannabinoids and Endocannabinoids in the Light of Their Physiological and Pathophysiological Roles. In *BIOMEDICINES* (Vol. 10, Issue 3). MDPI. https://doi.org/10.3390/biomedicines10030631

Tabis, A., Szumny, A., Bania, J., Pacyga, K., Lewandowska, K., & Kupczynski, R. (2024). Comparison of the Effects of Essential Oils from Cannabis sativa and Cannabis indica on Selected Bacteria, Rumen Fermentation, and Methane Production-In Vitro Study. In *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES* (Vol. 25, Issue 11). MDPI. https://doi.org/10.3390/ijms25115861

Thiry, M., Sergeant, K., Cocco, E., Grigorev, S., Iken, M., Hausman, J.-F., Renaut, J., Lutts, S., & Guerriero, G. (2025). A molecular analysis in leaves of in vitro-cultivated commercial and non-commercial Cannabis sativa genotypes. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 236). ELSEVIER. https://doi.org/10.1016/j.indcrop.2025.121921

Tutek, K., & Masek, A. (2022). Hemp and Its Derivatives as a Universal Industrial Raw Material (with Particular Emphasis on the Polymer Industry)-A Review. In *MATERIALS* (Vol. 15, Issue 7). MDPI. https://doi.org/10.3390/ma15072565

Wu, Q., Guo, M., Zou, L., Wang, Q., & Xia, Y. (2023). 8,9-Dihydrocannabidiol, an Alternative of Cannabidiol, Its Preparation, Antibacterial and Antioxidant Ability. In *MOLECULES* (Vol. 28, Issue 1). MDPI. https://doi.org/10.3390/molecules28010445

Xu, Y., Luo, J., Guo, Y., Zhou, J., Shen, L., Gu, F., Shi, C., Yao, L., & Hua, M. (2024). Chemical compounds, anti-tumor and anti-neuropathic pain effect of hemp essential oil in vivo. In *FITOTERAPIA* (Vol. 177). ELSEVIER. https://doi.org/10.1016/j.fitote.2024.106092

Yu, J., Cao, X., Mi, Y., Sun, W., Meng, X., Chen, W., Xie, X., Wang, S., Li, J., Yang, W., Chen, S., Chen, S., Xu, W., & Wan, H. (2024). Genome-wide analysis of WRKY gene family in high-CBD hemp (Cannabis sativa L.) and identification of the WRKY genes involved in abiotic stress responses and regulation cannabinoid accumulation.

In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 210). ELSEVIER. https://doi.org/10.1016/j.indcrop.2024.118158

Latkovic, D., Maksimovic, J., Dinic, Z., Pivic, R., Stanojkovic, A., Stanojkovic-Sebic, A. (2020). Case Study upon Foliar Application of Biofertilizers Affecting Microbial Biomass and Enzyme Activity in Soil and Yield Related Properties of Maize and Wheat Grains. In BIOLOGY-BASEL, 9(12): 452. https://doi.org/10.3390/biology9120452

Овај рад има укупно 30 цитата у бази Web of Science, односно 28 цитата без аутоцитата:

Ali, N., Jiang, Q., Luo, R., Jiang, M., Wang, X., Akhtar, K., Jiang, H., He, B., & Wen, R. (2024). Foliar application of bioorganic fertilizer enhances plant nutrients uptake and citrus yield by regulating rhizosphere and phyllosphere microbiome. In *ENVIRONMENTAL TECHNOLOGY & INNOVATION* (Vol. 36). ELSEVIER. https://doi.org/10.1016/j.eti.2024.103902

Alotaibi, M. M., Aljuaid, A., Alsudays, I. M., Aloufi, A. S., AlBalawi, A. N., Alasmari, A., Alghanem, S. M. S., Albalawi, B. F., Alwutayd, K. M., Gharib, H. S., & Awad-Allah, M. M. A. (2024). Effect of Bio-Fertilizer Application on Agronomic Traits, Yield, and Nutrient Uptake of Barley (Hordeum vulgare) in Saline Soil. In *PLANTS-BASEL* (Vol. 13, Issue 7). MDPI. https://doi.org/10.3390/plants13070951

Al-Suhaibani, N., Selim, M., Alderfasi, A., & El-Hendawy, S. (2021). Integrated Application of Composted Agricultural Wastes, Chemical Fertilizers and Biofertilizers as an Avenue to Promote Growth, Yield and Quality of Maize in an Arid Agro-Ecosystem. In *SUSTAINABILITY* (Vol. 13, Issue 13). MDPI. https://doi.org/10.3390/su13137439

Asghar, I., Ahmed, M., Farooq, M. A., Ishtiaq, M., Arshad, M., Akram, M., Umair, A., Alrefaei, A. F., Baloch, M. Y. J., & Naeem, A. (2023). Characterizing indigenous plant growth promoting bacteria and their synergistic effects with organic and chemical fertilizers on wheat (Triticum aestivum). In *FRONTIERS IN PLANT SCIENCE* (Vol. 14). FRONTIERS MEDIA SA. https://doi.org/10.3389/fpls.2023.1232271

Chai, J., Wang, X., Liu, X., Li, C., Han, J., & Yao, T. (2023). Inoculation of cold-adapted microbial consortium screened from alpine meadows promotes the growth of mixed grasses by changing soil properties and enzyme activity. In *RHIZOSPHERE* (Vol. 28). ELSEVIER. https://doi.org/10.1016/j.rhisph.2023.100782

Ding, B., Cao, H., Bai, Y., Guo, S., Zhang, J., He, Z., Wang, B., Jia, Z., & Liu, H. (2024). Effect of biofertilizer addition on soil physicochemical properties, biological properties, and cotton yield under water irrigation with different salinity levels in Xinjiang, China. In *FIELD CROPS RESEARCH* (Vol. 308). ELSEVIER. https://doi.org/10.1016/j.fcr.2024.109300

El-Sharkawy, M., Li, J., AL-Huqail, A. A., Du, D., EL-Khamisy, R. R., & El-Gamal, B. A. (2025). Sustainable Microbial Strategies for Enhancing Soil Fertility and Wheat (Triticum aestivum L.) Production. In *JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION* (Vol. 25, Issue 1, pp. 496–513). SPRINGER INT PUBL AG. https://doi.org/10.1007/s42729-024-02147-4

Guevara-Lopez, A., Alvarado-Lopez, C. J., Lopez-Vazquez, J. S., Cristobal-Alejo, J., Tun-Suarez, J. M., Hernandez, R. G., Alfaro-Corres, A. E., & Ruiz-Sanchez, E. (2025). Evaluation of microbial inoculants on gas exchange, biomass and yield components in creole maize estabished in Leptosol soil of Yucatan. In *BIOTECNIA* (Vol. 27). UNIV SONORA. https://doi.org/10.18633/biotecnia.v27.2559

He, C., Zhang, L., & Li, X. (2022). Plant Performance and Soil Fungal Community Impacts of Enhancing Dioscorea opposita with Spraying Foliar Fertilizer with Different Nutrient Element Combinations. In *AGRONOMY-BASEL* (Vol. 12, Issue 9). MDPI. https://doi.org/10.3390/agronomy12092017

Jiang, L., Zhang, S., Liu, S., Geng, D., Li, M., Xia, J., Gu, Y., Huang, C., Li, S., Wang, H., & Yan, B. (2024). Linking soil fertility, enzyme activity, and flavonoid-related enzymes to growth and quality of Tetrastigma hemsleyanum Diels et Gilg amended with pyrogenic organic matter and organic fertilizer. In *JOURNAL OF SOILS AND SEDIMENTS* (Vol. 24, Issue 3, pp. 1181–1193). SPRINGER HEIDELBERG. https://doi.org/10.1007/s11368-023-03696-4

Kaya, N. S., & Dengiz, O. (2024). Assessment of the neutrosophic Fuzzy-AHP and predictive power of some machine learning approaches for maize silage soil quality. In *COMPUTERS AND ELECTRONICS IN AGRICULTURE* (Vol. 226). ELSEVIER SCI LTD. https://doi.org/10.1016/j.compag.2024.109446

Khambalkar, P. A., Agrawal, S., Dhaliwal, S. S., Yadav, S. S., Sadawarti, M. J., Singh, A., Yadav, I. R., Yadav, K., Shivansh, Prasad, D., Singh, A., & Afreen, N. (2025). Sustainable nutrient management balancing soil health and food security for future generations. In *APPLIED FOOD RESEARCH* (Vol. 5, Issue 2). ELSEVIER. https://doi.org/10.1016/j.afres.2025.101087

Lin, Y., Yang, H., Ye, Y., Wen, J., & Chen, D. (2022). How Does Land Consolidation Affect Soil Fungal Community Structure? Take Heavy Metal Contaminated Areas in Eastern China for Example. In *LAND* (Vol. 11, Issue 1). MDPI. https://doi.org/10.3390/land11010142

Ludemann, C., I., Hijbeek, R., van Loon, M. P., Murrell, T. S., Dobermann, A., & van Ittersum, M. K. (2022). Estimating maize harvest index and nitrogen concentrations in grain and residue using globally available data. In *FIELD CROPS RESEARCH* (Vol. 284). ELSEVIER. https://doi.org/10.1016/j.fcr.2022.108578

Mahmud, A. A., Upadhyay, S. K., Srivastava, A. K., & Bhojiya, A. A. (2021). Biofertilizers: A Nexus between soil fertility and crop productivity under abiotic stress. In *CURRENT RESEARCH IN ENVIRONMENTAL SUSTAINABILITY* (Vol. 3). ELSEVIER. https://doi.org/10.1016/j.crsust.2021.100063

Makova, J., Artimova, R., Javorekova, S., Adamec, S., Paulen, O., Andrejiova, A., Ducsay, L., & Medo, J. (2025). Effect of Application of Nitrogen Fertilizer, Microbial and Humic Substance-Based Biostimulants on Soil Microbiological Properties During Strawberry (Fragaria x ananassa Duch.) Cultivation. In *HORTICULTURAE* (Vol. 11, Issue 2). MDPI. https://doi.org/10.3390/horticulturae11020119

Medo, J., Makova, J., Medova, J., Lipkova, N., Cinkocki, R., Omelka, R., & Javorekova, S. (2021). Changes in soil microbial community and activity caused by application of dimethachlor and linuron. In *SCIENTIFIC REPORTS* (Vol. 11, Issue 1). NATURE PORTFOLIO. https://doi.org/10.1038/s41598-021-91755-6

Neemisha, Kumar, A., Sharma, P., Kaur, A., Sharma, S., & Jain, R. (2022). Harnessing rhizobacteria to fulfil inter-linked nutrient dependency on soil and alleviate stresses in plants. In *JOURNAL OF APPLIED MICROBIOLOGY* (Vol. 133, Issue 5, pp. 2694–2716). OXFORD UNIV PRESS. https://doi.org/10.1111/jam.15649

Negi, R., Yadav, N., & Yadav, A. N. (2025). Microbial biofertilizers: A paradigm shift towards agricultural sustainability. In *BIOLOGIA* (Vol. 80, Issue 2, pp. 389–414). SPRINGER. https://doi.org/10.1007/s11756-024-01848-6

Pacola, M., Guimaraes, T. M., Calonego, J. C., de Araujo, F. F., Rigon, J. P. G., Bossolani, J. W., Jacomassi, L. M., Viveiros, J., de Siqueira, G. F., & Crusciol, C. A. C. (2025). Influence of Deep Tillage and Liming on Soil Quality: Physical Attributes, Microbial Activity, and Sugarcane Yield in Clay Soils. In *SUGAR TECH*. SPRINGER INDIA. https://doi.org/10.1007/s12355-025-01618-x

Prathima, M. N., Muthuraju, R., Krishna, T. V., & Nalini, B. S. (2024). Influence of Bioinoculants on Growth and Yield of Cowpea (Vigna unguiculata L.) under Field Condition. In *LEGUME RESEARCH* (Vol. 47, Issue 6, pp. 978–983). AGRICULTURAL RESEARCH COMMUNICATION CENTRE. https://doi.org/10.18805/LR-4964

Sabharwal, U., Rai, P. K., Choure, K., Subramanian, R. B., Joo, J. C., & Pandey, A. (2025). Investigating the Effect of Pipecolic Acid on Specialized Metabolites Involved in Tomato Plant Defense Mechanisms Against Ralstonia solanacearum Wilt Pathogens. In *ANALYTICA* (Vol. 6, Issue 1). MDPI. https://doi.org/10.3390/analytica6010002

Sible, C. N., Seebauer, J. R., & Below, F. E. (2021). Plant Biostimulants: A Categorical Review, Their Implications for Row Crop Production, and Relation to Soil Health Indicators. In *AGRONOMY-BASEL* (Vol. 11, Issue 7). MDPI. https://doi.org/10.3390/agronomy11071297

Singh, V., & Kumar, B. (2024). A review of agricultural microbial inoculants and carriers in bioformulation. In *RHIZOSPHERE* (Vol. 29). ELSEVIER. https://doi.org/10.1016/j.rhisph.2023.100843

Vijayakumar, P. D., Nagappa, T. G., Dhananjaya, B. C., Salimath, S. B., Girijesh, G. K., & Nandish, M. S. (2023). Effect of Microbial Enriched Arecahusk Compost on Growth and Yield Attributes of Maize in Typic Rhodustalf of Southern Transitional Zone of Karnataka. In *COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS* (Vol. 54, Issue 5, pp. 655–676). TAYLOR & FRANCIS INC. https://doi.org/10.1080/00103624.2022.2118307

Wang, X., Zhou, M., Lin, G., Zhang, Y., Jiang, F., Huang, Y., & Lin, J. (2024). Vegetation restoration limited microbial carbon sequestration in areas affected by soil erosion. In *APPLIED SOIL ECOLOGY* (Vol. 202). ELSEVIER. https://doi.org/10.1016/j.apsoil.2024.105601

Yu, G., Han, Y., Liu, P., Hao, H., & Li, M. (2025). Response of foxtail millet yield, soil chemical property and bacterial community to different green manure-foxtail millet rotation models in North China. In *FRONTIERS IN MICROBIOLOGY* (Vol. 16). FRONTIERS MEDIA SA. https://doi.org/10.3389/fmicb.2025.1558354

Yu, Z. Y., & Liu, Q. (2023). SYNERGISTIC EFFECT OF FERTILIZATION ON INTERANNUAL VARIATION OF SOIL CARBON AND NITROGEN CONTENTS AND SOYBEAN YIELD IN SEMIARID SOIL. In *APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH* (Vol. 21, Issue 2, pp. 1293–1311). ALOKI Applied Ecological Research and Forensic Inst Ltd. https://doi.org/10.15666/aeer/2102_12931311

Sikora, V., Berenji, J., Latkovic, D. (2011). Influence of Agroclimatic Conditions on Content of Main Cannabinoids ин Industrial Hemp (Cannabis sativa L.). In GENETIKA-BELGRADE, 43(3): 449-456. https://doi.org/10.2298/GENSR1103449S

Овај рад има укупно 30 цитата у бази Web of Science, односно 28 цитата без аутоцитата:

Burgel, L., Hartung, J., Pflugfelder, A., & Graeff-Hoenninger, S. (2020). Impact of Growth Stage and Biomass Fractions on Cannabinoid Content and Yield of Different Hemp (Cannabis sativa L.) Genotypes. In *AGRONOMY-BASEL* (Vol. 10, Issue 3). MDPI. https://doi.org/10.3390/agronomy10030372

Calzolari, D., Magagnini, G., Lucini, L., Grassi, G., Appendino, G. B., & Amaducci, S. (2017). High added-value compounds from Cannabis threshing residues. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 108, pp. 558–563). ELSEVIER SCIENCE BV. https://doi.org/10.1016/j.indcrop.2017.06.063

Charles, A. P. R., Gu, Z., Archer, R., Auwarter, C., Hatterman-Valenti, H., Rao, J., & Chen, B. (2024). Effect of High-Tunnel and Open-Field Production on the Yield, Cannabinoids, and Volatile Profiles in Industrial Hemp (Cannabis sativa L.) Inflorescence. In *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY* (Vol. 72, Issue 23, pp. 12975–12987). AMER CHEMICAL SOC. https://doi.org/10.1021/acs.jafc.4c01668

Chiluwal, A., Sandhu, S. S. S., Irey, M., Johns, F., Sanchez, R., & Sandhu, H. (2023). Temporal cannabinoids profile and biomass yield in cannabigerol dominant industrial hemp under different planting dates in southern Florida. In *AGROSYSTEMS GEOSCIENCES & ENVIRONMENT* (Vol. 6, Issue 2). WILEY. https://doi.org/10.1002/agg2.20376

Chiluwal, A., Sandhu, S. S., Sandhu, H., Irey, M., Johns, F., & Sanchez, R. (2023). Cannabidiol industrial hemp growth, biomass, and temporal cannabinoids accumulation under different planting dates in southern Florida. In *AGROSYSTEMS GEOSCIENCES & ENVIRONMENT* (Vol. 6, Issue 1). WILEY. https://doi.org/10.1002/agg2.20347

da Silva Benevenute, S., Freeman, J. H., & Yang, R. (2022). How do pinching and plant density affect industrial hemp produced for cannabinoids in open field conditions? In *AGRONOMY JOURNAL* (Vol. 114, Issue 1, pp. 618–626). WILEY. https://doi.org/10.1002/agj2.20882

De Prato, L., Ansari, O., Hardy, G. E. St. J., Howieson, J., O `Hara, G., & Ruthrof, K. X. (2022). The cannabinoid profile and growth of hemp (Cannabis sativa L.) is influenced by tropical daylengths and temperatures, genotype and nitrogen nutrition. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 178). ELSEVIER. https://doi.org/10.1016/j.indcrop.2022.114605

De Prato, L., Timmins, M., Ansari, O., Ruthrof, K. X., Hardy, G. E. S. J., Howieson, J., & O'Hara, G. (2022). Semi-quantitative analysis of cannabinoids in hemp (Cannabis sativa L.) using gas chromatography coupled to mass spectrometry. In *JOURNAL OF CANNABIS RESEARCH* (Vol. 4, Issue 1). BMC. https://doi.org/10.1186/s42238-022-00161-w

Farnisa, M. M., Miller, G. C., Solomon, J. K. Q., & Barrios-Masias, F. H. (2023). Floral hemp (Cannabis sativa L.) responses to nitrogen fertilization under field conditions in the high desert. In *PLOS ONE* (Vol. 18, Issue 5). PUBLIC LIBRARY SCIENCE. https://doi.org/10.1371/journal.pone.0284537

Galindo, J. M., Uribe, P. A., & Gonzalez, L. C. (2023). Evaluation of environmental parameters of a phytotron for cannabis cultivation. In Y. Rouphael & J. Michel (Eds.), *XXXI INTERNATIONAL HORTICULTURAL CONGRESS, IHC2022: INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES AND PRODUCTION STRATEGIES FOR SUSTAINABLE CONTROLLED ENVIRONMENT HORTICULTURE* (Vol. 1377, pp. 33–37). INT SOC HORTICULTURAL SCIENCE. https://doi.org/10.17660/ActaHortic.2023.1377.4

Hammami, N., Prive, J.-P., Joly, D. L., & Moreau, G. (2021). Associations between cannabinoids and growth stages of twelve industrial hemp cultivars grown outdoors in Atlantic Canada. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 172). ELSEVIER. https://doi.org/10.1016/j.indcrop.2021.113997

Hammami, N., Prive, J.-P., & Moreau, G. (2022). Spatiotemporal variability and sensitivity of industrial hemp cultivars under variable field conditions. In *EUROPEAN JOURNAL OF AGRONOMY* (Vol. 138). ELSEVIER. https://doi.org/10.1016/j.eja.2022.126549

Ingallina, C., Sobolev, A. P., Circi, S., Spano, M., Fraschetti, C., Filippi, A., Di Sotto, A., Di Giacomo, S., Mazzoccanti, G., Gasparrini, F., Quaglio, D., Campiglia, E., Carradori, S., Locatelli, M., Vinci, G., Rapa, M., Ciano, S., Giusti, A. M., Botta, B., … Mannina, L. (2020). Cannabis sativa L. Inflorescences from Monoecious Cultivars Grown in Central Italy: An Untargeted Chemical Characterization from Early Flowering to Ripening. In *MOLECULES* (Vol. 25, Issue 8). MDPI. https://doi.org/10.3390/molecules25081908

Johns, T. N., Wakshlag, J. J., Lyubimov, A. V., Zakharov, A., & Burnside, W. M. (2023). Pharmacokinetics of cannabidiol-/cannabidiolic acid-rich hemp oil in juvenile cynomolgus macaques (Macaca fascicularis). In *FRONTIERS IN VETERINARY SCIENCE* (Vol. 10). FRONTIERS MEDIA SA. https://doi.org/10.3389/fvets.2023.1286158

Kim, S. R., Basnet, P., Kovaleski, A. P., & Ellison, S. L. (2025). Anthocyanin accumulation, inflorescence dry weight and total cannabidiol content have different temperature optima in Cannabis sativa. In *JOURNAL OF CANNABIS RESEARCH* (Vol. 7, Issue 1). BMC. https://doi.org/10.1186/s42238-025-00311-w

Kousta, A., Papastylianou, P., Tzimas, P., Skaltsounis, L. A., & Bilalis, D. (2025). Evaluation of European-developed hemp cultivars (Cannabis sativa L.) in response to water regimes. In *SPANISH JOURNAL OF AGRICULTURAL RESEARCH* (Vol. 23, Issue 1). CONSEJO SUPERIOR INVESTIGACIONES CIENTIFICAS-CSIC. https://doi.org/10.5424/sjar/2025231-21257

Myers, E. A., Ristvey, A. G., & Fiorellino, N. M. (2025). Early establishment increases yield and fiber quality of industrial hemp (Cannabis sativa L.) produced in the Mid-Atlantic. In *AGROSYSTEMS GEOSCIENCES & ENVIRONMENT* (Vol. 8, Issue 3). WILEY. https://doi.org/10.1002/agg2.70184

Paulova, T., Novak, K., & Pechouckova, E. (2025). Antimicrobial properties of secondary metabolites of Cannabis sativa: A promising natural alternative for livestock health. In *CZECH JOURNAL OF ANIMAL SCIENCE* (Vol. 70, Issue 9, pp. 357–382). CZECH ACADEMY AGRICULTURAL SCIENCES. https://doi.org/10.17221/85/2025-CJAS

Peterswald, T. J., Mieog, J. C., Halimi, R. A., Magner, N. J., Trebilco, A., Kretzschmar, T., & Purdy, S. J. (2023). Moving Away from 12:12; the Effect of Different Photoperiods on Biomass Yield and Cannabinoids in Medicinal Cannabis. In *PLANTS-BASEL* (Vol. 12, Issue 5). MDPI. https://doi.org/10.3390/plants12051061

Pexova Kalinova, J., Vrchotova, N., Triska, J., & Hellerova, S. (2021). Industrial hemp (Cannabis sativa L.) as a possible source of cannabidiol. In *JOURNAL OF CENTRAL EUROPEAN AGRICULTURE* (Vol. 22, Issue 1, pp. 110–118). UNIV ZAGREB, FAC AGRICULTURE. https://doi.org/10.5513/JCEA01/22.1.2860

Sandhu, S. S., Chiluwal, A., Brym, Z. T., Irey, M., McCray, J. M., Odero, D. C., Daroub, S. H., & Sandhu, H. S. (2022). Evaluating Growth, Biomass and Cannabinoid Profiles of Floral Hemp Varieties under Different Planting Dates in Organic Soils of Florida. In *AGRONOMY-BASEL* (Vol. 12, Issue 11). MDPI. https://doi.org/10.3390/agronomy12112845

Schober, T., Prager, A., Hartung, J., Hensmann, F., & Graeff-Honninger, S. (2023). Growth dynamics and yield formation of Cannabis (Cannabis sativa) cultivated in differing growing media under semi-controlled greenhouse conditions.

In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 203). ELSEVIER. https://doi.org/10.1016/j.indcrop.2023.117172

Small, E. (2015). Evolution and Classification of Cannabis sativa (Marijuana, Hemp) in Relation to Human Utilization. In *BOTANICAL REVIEW* (Vol. 81, Issue 3, pp. 189–294). SPRINGER. https://doi.org/10.1007/s12229-015-9157-3

Todd, J., Song, H., & Van Acker, R. (2022). Does pollination alter the cannabinoid composition and yield of extracts from hemp (Cannabis sativa L. cv. Finola) flowers? In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 183). ELSEVIER. https://doi.org/10.1016/j.indcrop.2022.114989

Trancoso, I., de Souza, G. A. R., dos Santos, P. R., dos Santos, K. D., dos Santos Nani de Miranda, R. M., Pereira Machado da Silva, A. L., Santos, D. Z., Garcia-Tejero, I. F., & Campostrini, E. (2022). Cannabis sativa L.: Crop Management and Abiotic Factors That Affect Phytocannabinoid Production. In *AGRONOMY-BASEL* (Vol. 12, Issue 7). MDPI. https://doi.org/10.3390/agronomy12071492

Tremlova, B., Mikulaskova, H. K., Hajduchova, K., Jancikova, S., Kaczorova, D., Cavar Zeljkovic, S., & Dordevic, D. (2021). Influence of Technological Maturity on the Secondary Metabolites of Hemp Concentrate (Cannabis sativa L.). In *FOODS* (Vol. 10, Issue 6). MDPI. https://doi.org/10.3390/foods10061418

Tsaliki, E., Kalivas, A., Jankauskiene, Z., Irakli, M., Cook, C., Grigoriadis, I., Panoras, I., Vasilakoglou, I., & Dhima, K. (2021). Fibre and Seed Productivity of Industrial Hemp (Cannabis sativa L.) Varieties under Mediterranean Conditions. In *AGRONOMY-BASEL* (Vol. 11, Issue 1). MDPI. https://doi.org/10.3390/agronomy11010171

Tsaliki, E., Moysiadis, T., Kalivas, A., Panoras, I., & Grigoriadis, I. (2024). Multi-Year Insights into Industrial Hemp Growth in a Mediterranean Climate. In *AGRONOMY-BASEL* (Vol. 14, Issue 9). MDPI. https://doi.org/10.3390/agronomy14091946

Popovic, BM., Blagojevic, B., Latkovic, D., Cetojevic-Simin, D., Kucharska, AZ., Parisi, F., Lazzara, G. (2021). A one step enhanced extraction and encapsulation system of cornelian cherry (Cornus mas L.) polyphenols and iridoids with β-cyclodextrin. In LWT-FOOD SCIENCE AND TECHNOLOGY, 141: 110884. https://doi.org/10.1016/j.lwt.2021.110884

Овај рад има укупно 28 цитата у бази Web of Science, односно 26 цитата без аутоцитата:

Cauduro, V. H., Cui, J., Flores, E. M. M., & Ashokkumar, M. (2023). Ultrasound-Assisted Encapsulation of Phytochemicals for Food Applications: A Review. In *FOODS* (Vol. 12, Issue 20). MDPI. https://doi.org/10.3390/foods12203859

Christou, A., Parisis, N. A., Tzakos, A. G., Gerothanassis, I. P., & Goulas, V. (2024). Optimization of β-cyclodextrin based ultrasound-assisted extraction: A green strategy to enhance the extraction of bioactive compounds from taro leaf byproduct. In *SUSTAINABLE CHEMISTRY AND PHARMACY* (Vol. 41). ELSEVIER. https://doi.org/10.1016/j.scp.2024.101728

de Oliveira, A., Moreira, T. F. M., Silva, B. P., Teixeira, V. M. C., Oliveira, G., Watanabe, L. S., Nixdorf, S. L., Leal, L. E., Pessoa, L. G. A., Seixas, F. A. V., Goncalves, O. H., Peron, A. P., Sa-Nakanishi, A. B., Leimann, F. V., Bracht, A., Bracht, L., & Comar, J. F. (2024). Characterization and bioactivities of coffee husks extract encapsulated with polyvinylpyrrolidone. In *FOOD RESEARCH INTERNATIONAL* (Vol. 178). ELSEVIER. https://doi.org/10.1016/j.foodres.2023.113878

Enache, I. M., Vasile, M. A., Craciunescu, O., Prelipcean, A. M., Oancea, A., Enachi, E., Barbu, V. V., Stanciuc, N., & Vizireanu, C. (2022). Co-Microencapsulation of Anthocyanins from Cornelian Cherry (Cornus mas L.) Fruits and Lactic Acid Bacteria into Antioxidant and Anti-Proliferative Derivative Powders. In *NUTRIENTS* (Vol. 14, Issue 17). MDPI. https://doi.org/10.3390/nu14173458

Ferreira, C. I. dos S., Gonzales, A. P., Mazzobre, M. F., Ulrih, N. P., & del Pilar Buera, M. (2022). Solubility, sorption isotherms and thermodynamic parameters of β-cyclodextrin complexes with poplar propolis components: Practical implicances. In *LWT-FOOD SCIENCE AND TECHNOLOGY* (Vol. 167). ELSEVIER. https://doi.org/10.1016/j.lwt.2022.113811

Fu, L., Gu, Q., Zhang, S., Wang, J., Cai, Z., & Fu, Y. (2023). Simultaneous extraction and encapsulation of polyphenols from Cajanus cajan leaves and the evaluation of their biological activity. In *MICROCHEMICAL JOURNAL* (Vol. 193). ELSEVIER. https://doi.org/10.1016/j.microc.2023.109187

Gkioni, M. D., Andriopoulos, V., Koutra, E., Hatziantoniou, S., Kornaros, M., & Lamari, F. N. (2022). Ultrasound-Assisted Extraction of Nannochloropsis oculata with Ethanol and Betaine: 1,2-Propanediol Eutectic Solvent for Antioxidant Pigment-Rich Extracts Retaining Nutritious the Residual Biomass. In *ANTIOXIDANTS* (Vol. 11, Issue 6). MDPI. https://doi.org/10.3390/antiox11061103

Gull, A., Masoodi, F. A., & Gani, A. (2025). Valorization of saffron petal waste anthocyanin extract, microencapsulation storage kinetic stability, and in vitro release behavior of anthocyanin microcapsules. In *BIOMASS CONVERSION AND BIOREFINERY* (Vol. 15, Issues 4, SI, pp. 5481–5492). SPRINGER HEIDELBERG. https://doi.org/10.1007/s13399-024-05599-x

Jovanovic, M. S., Krgovic, N., Radan, M., Cujic-Nikolic, N., Mudric, J., Lazarevic, Z., & Savikin, K. (2023). Natural deep eutectic solvents combined with cyclodextrins: A novel strategy for chokeberry anthocyanins extraction. In *FOOD CHEMISTRY* (Vol. 405, Issue A). ELSEVIER SCI LTD. https://doi.org/10.1016/j.foodchem.2022.134816

Jovanovic, M. S., Krgovic, N., Savikin, K., & Zivkovic, J. (2022). Ultrasound-Assisted Water Extraction of Gentiopicroside, Isogentisin, and Polyphenols from Willow Gentian "Dust" Supported by Hydroxypropyl-β-

Cyclodextrin as Cage Molecules. In *MOLECULES* (Vol. 27, Issue 21). MDPI. https://doi.org/10.3390/molecules27217606

Khatun, B., Rohilla, S., Rather, M. A., Sinha, A., Dasgupta, S., Mandal, M., & Maji, T. K. (2023). Improved bioactivities of curcumin pyrazole and its HPβCD inclusion complex compared to curcumin. In *JOURNAL OF CHEMICAL SCIENCES* (Vol. 135, Issue 1). INDIAN ACAD SCIENCES. https://doi.org/10.1007/s12039-022-02125-2

Kravanja, K. A., Finsgar, M., Knez, Z., & Knez Marevci, M. (2022). Evaluation of Natural Extracts as Promising Components of Bioactive Coatings for Orthopedic Implants. In *FRONTIERS IN MATERIALS* (Vol. 9). FRONTIERS MEDIA SA. https://doi.org/10.3389/fmats.2022.878176

Liu, Y., Zhang, Y., Long, F., Bai, J., Huang, Y., & Gao, H. (2023). Effect of tea-polyphenol/β-cyclodextrin/NaCl inclusion complexes as a salt substitute on quality of low-salt Sichuan-style sausages. In *LWT-FOOD SCIENCE AND TECHNOLOGY* (Vol. 188). ELSEVIER. https://doi.org/10.1016/j.lwt.2023.115328

Loukri, A., Christaki, S., Kalogiouri, N. P., Menkissoglu-Spiroudi, U., & Mourtzinos, I. (2022). Anthocyanin-rich extracts from Cornelian cherry pomace as a natural food colorant: A spectroscopic and LC-QTOF-MS study. In *EUROPEAN FOOD RESEARCH AND TECHNOLOGY* (Vol. 248, Issue 12, pp. 2901–2912). SPRINGER. https://doi.org/10.1007/s00217-022-04099-4

Loukri, A., Kissas, T., Kyriakoudi, A., Zymvrakaki, E., Stratakos, A. Ch., & Mourtzinos, I. (2024). Coupling of cold atmospheric plasma treatment with ultrasound-assisted extraction for enhanced recovery of bioactive compounds from cornelian cherry pomace. In *FOOD CHEMISTRY* (Vol. 455). ELSEVIER SCI LTD. https://doi.org/10.1016/j.foodchem.2024.139989

Miao, W., Yue, M., Qiu, C., Li, X., Sang, S., McClements, D. J., Chen, L., Long, J., Jiao, A., Wang, J., & Jin, Z. (2024). Interactions between plant-derived antioxidants and cyclodextrins and their application for improving separation, detection, and food quality issues. In *CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION* (Vol. 64, Issue 20, pp. 7085–7100). TAYLOR & FRANCIS INC. https://doi.org/10.1080/10408398.2023.2180479

Mohammadalinejhad, S., & Kurek, M. A. (2021). Microencapsulation of Anthocyanins-Critical Review of Techniques and Wall Materials. In *APPLIED SCIENCES-BASEL* (Vol. 11, Issue 9). MDPI. https://doi.org/10.3390/app11093936

Paes, F. E. R., Sabino, L. B. de S., da Silva, L. M. R., da Silva, I. J., Ricardo, N. M. P. S., de Brito, D. H. A., de Menezes, F. L., & de Figueiredo, R. W. (2024). Anthocyanins extracted from Jamelon fruits (Syzygium cumini L.): Effect of microencapsulation on the properties and bioaccessibility. In *SOUTH AFRICAN JOURNAL OF BOTANY* (Vol. 166, pp. 423–431). ELSEVIER. https://doi.org/10.1016/j.sajb.2024.01.051

Radan, M., Jovanovic, M., Nikolic, N. C., Mudric, J., Jankovic, T., Bigovic, D., & Savikin, K. (2024). Cyclodextrin-assisted extraction as a green alternative for the recovery of phenolic compounds from Helichrysum plicatum DC. flowers. In *SUSTAINABLE CHEMISTRY AND PHARMACY* (Vol. 39). ELSEVIER. https://doi.org/10.1016/j.scp.2024.101547

Tian, X.-Y., Bai, J.-W., Fang, Q., Wang, M., Wu, X., & Aheto, J. H. (2025). Polyphenols in Modern Nutrition: Green Extraction Technologies, Encapsulation, and Promissory Applications. In *FOOD AND BIOPROCESS TECHNOLOGY* (Vol. 18, Issue 7, pp. 6035–6065). SPRINGER. https://doi.org/10.1007/s11947-025-03876-9

Tran, C. T. H., Wang, H.-M. D., Anh, L. T. H., Lin, C., Huang, C.-Y., & Kuo, C.-H. (2024). Evaluate the effect of β-cyclodextrin on the sensory and physicochemical properties of bitter gourd extract during thermal processing. In *FOOD CHEMISTRY* (Vol. 433). ELSEVIER SCI LTD. https://doi.org/10.1016/j.foodchem.2023.137394

Wang, Q., Guo, C., Ding, Y., Zhong, X., Sun, K., Tan, J., Xu, X., Li, X., Teng, C., & Xin, X. (2025). Engineered cyclodextrin-protein domain interface modulation and application in nanoscale delivery systems development for therapeutic proteins. In *COLLOIDS AND SURFACES B-BIOINTERFACES* (Vol. 256, Issue 1). ELSEVIER. https://doi.org/10.1016/j.colsurfb.2025.114993

Xiong, Y., Chang, M., Shi, Z.-W., Li, Y.-Y., An, S.-Y., & Ren, D.-F. (2025). Encapsulation of rose anthocyanins with β-cyclodextrin for enhanced stability: Preparation, characterization, and its application in rose juice. In *FOOD BIOSCIENCE* (Vol. 64). ELSEVIER. https://doi.org/10.1016/j.fbio.2025.105875

Zengin, G., Nilofar, Yildiztugay, E., Bouyahya, A., Cavusoglu, H., Gevrenova, R., & Zheleva-Dimitrova, D. (2023). A Comparative Study on UHPLC-HRMS Profiles and Biological Activities of Inula sarana Different Extracts and Its Beta-Cyclodextrin Complex: Effective Insights for Novel Applications. In *ANTIOXIDANTS* (Vol. 12, Issue 10). MDPI. https://doi.org/10.3390/antiox12101842

Zhao, M., Cao, W., Li, L., Ren, A., Ang, Y., Chen, J., Bhandari, B., Wang, Z., Ren, X., Ren, G., & Duan, X. (2022). Effects of different proteins and maltodextrin combinations as wall material on the characteristics of Cornus officinalis flavonoids microcapsules. In *FRONTIERS IN NUTRITION* (Vol. 9). FRONTIERS MEDIA SA. https://doi.org/10.3389/fnut.2022.1007863

Zhou, X., Qin, D., Xiang, B., & Xi, J. (2022). Cyclodextrin-based liquid-phase pulsed discharge extraction of flavonoids from tangerine (Citrus reticulata) pericarp: Optimization, antioxidant activity and storage stability. In *SEPARATION AND PURIFICATION TECHNOLOGY* (Vol. 278). ELSEVIER. https://doi.org/10.1016/j.seppur.2021.119603

Kumar, S., Saini, DK., Jan, F., Jan, S., Tahir, M., Djalovic, I., Latkovic, D., Khan, MA., Kumar, S., Vikas, VK. (2023). Comprehensive meta-QTL analysis for dissecting the genetic architecture of stripe rust resistance in bread wheat. In BMC GENOMICS, 24(1): 259. https://doi.org/10.1186/s12864-023-09336-y

Овај рад има укупно 22 цитата у бази Web of Science, односно 18 цитата без аутоцитата:

Atsbeha, G., Mekonnen, T., Kebede, M., Haileselassie, T., Goodwin, S. B., & Tesfaye, K. (2023). Genetic architecture of adult-plant resistance to stripe rust in bread wheat (Triticum aestivum L.) association panel. In *FRONTIERS IN PLANT SCIENCE* (Vol. 14). FRONTIERS MEDIA SA. https://doi.org/10.3389/fpls.2023.1256770

Azad, R., Krepski, T., Olechowski, M., Biernacik, B., Swiecicka, M., Matuszkiewicz, M., Dmochowska-Boguta, M., & Rakoczy-Trojanowska, M. (2024). Genotype-Specific Expression of Selected Candidate Genes Conferring Resistance to Leaf Rust of Rye (Secale cereale L.). In *GENES* (Vol. 15, Issue 3). MDPI. https://doi.org/10.3390/genes15030275

Farhan, M., Ikram, M., Sun, J.-E., Yang, S.-W., & Wang, Y. (2025). Identification of Leaf Rust-Related Gene Signature in Wheat (Triticum Aestivum L.) Using High-Throughput Sequencing, Network Analysis, and Machine Learning Algorithms. In *RICE* (Vol. 18, Issue 1). SPRINGER. https://doi.org/10.1186/s12284-025-00839-8

Glombik, M., Arunkumar, R., Burrows, S., Mogg, S. L., Wang, X., & Borrill, P. (2025). Rapid reprogramming and stabilization of homoeolog expression bias in hexaploid wheat biparental populations. In *GENOME BIOLOGY* (Vol. 26, Issue 1). BMC. https://doi.org/10.1186/s13059-025-03598-3

Gulhane, M., & Sajana, T. (2025). Optimisation of deep learning-based models for the diagnosis of heart disease through ODTH method. In *INTERNATIONAL JOURNAL OF ENGINEERING SYSTEMS MODELLING AND SIMULATION* (Vol. 16, Issue 3). INDERSCIENCE ENTERPRISES LTD. https://doi.org/10.1504/IJESMS.2024.10066247

Hajibarat, Z., Saidi, A., Zeinalabedini, M., Mardi, M., & Ghaffari, M. R. (2024). Integrating Quantitative Trait Loci (QTLs) through Meta-QTL (MQTL) Analysis to Facilitate Identification of Relationships between Phenotype and Genotype. In *BIOLOGY BULLETIN* (Vol. 51, Issue 6, pp. 1761–1776). PLEIADES PUBLISHING INC. https://doi.org/10.1134/S1062359024606888

Jha, S., Quaiyum, Z., Prasad, B. D., Sahni, S., Mandyal, S. S., Singh, A., Verma, S., Mane, R. S., Majaw, T., & Sharma, V. K. (2025). Meta-QTL analysis, candidate gene identification, and validation by GWAS for agronomic traits and stress tolerance in pea (Pisum sativum L.). In *PLANT BIOTECHNOLOGY REPORTS* (Vol. 19, Issue 5, pp. 481–494). SPRINGER. https://doi.org/10.1007/s11816-025-00995-9

Jung, K., Akiyama, R., Nie, J., Nitta, M., Hamaya, N.-B., Qureshi, N., Bhavani, S., Wicker, T., Keller, B., Kishii, M., Nasuda, S., & Shimizu, K. K. (2025). Unveiling yellow rust resistance in the near-Himalayan region: Insights from a nested association mapping study. In *THEORETICAL AND APPLIED GENETICS* (Vol. 138, Issue 7). SPRINGER. https://doi.org/10.1007/s00122-025-04886-z

Li, Y., Hu, J., Lin, H., Qiu, D., Qu, Y., Du, J., Hou, L., Ma, L., Wu, Q., Liu, Z., Zhou, Y., & Li, H. (2024). Mapping QTLs for adult-plant resistance to powdery mildew and stripe rust using a recombinant inbred line population derived from cross Qingxinmai x 041133. In *FRONTIERS IN PLANT SCIENCE* (Vol. 15). FRONTIERS MEDIA SA. https://doi.org/10.3389/fpls.2024.1397274

Mandyal, S. S., Mishra, A., Naik, Y. D., & Singh, A. (2025). Identification and validation of candidate genes for combined drought and heat stress tolerance in maize (Zea mays L.). In *CEREAL RESEARCH COMMUNICATIONS*. SPRINGER HEIDELBERG. https://doi.org/10.1007/s42976-025-00719-3

Miedaner, T., Eckhoff, W., Flath, K., Schmitt, A.-K., Schulz, P., Schacht, J., Boeven, P., Akel, W., Kempf, H., & Gruner, P. (2024). Mapping rust resistance in European winter wheat: Many QTLs for yellow rust resistance, but only a few well characterized genes for stem rust resistance. In *THEORETICAL AND APPLIED GENETICS* (Vol. 137, Issue 9). SPRINGER. https://doi.org/10.1007/s00122-024-04731-9

Sethi, M., Saini, D. K., Devi, V., Kaur, C., Singh, M. P., Singh, J., Pruthi, G., Kaur, A., Singh, A., & Chaudhary, D. P. (2023). Unravelling the genetic framework associated with grain quality and yield-related traits in maize (Zea mays L.). In *FRONTIERS IN GENETICS* (Vol. 14). FRONTIERS MEDIA SA. https://doi.org/10.3389/fgene.2023.1248697

Shariatipour, N., Yazdani, M., Carlsson, A., Bengtsson, T., Kianian, S. F., Jalli, M., Rahmatov, M., & Consortium, P. R. (2025). Genetic dissection of crown rust resistance in oat and the identification of key adult plant resistance genes. In *PLANT GENOME* (Vol. 18, Issue 2). WILEY. https://doi.org/10.1002/tpg2.70059

Sharma, D., Budhlakoti, N., Kumari, A., Saini, D. K., Sharma, A., Yadav, A., Mir, R. R., Singh, A. K., Vikas, V. K., Singh, G. P., & Kumar, S. (2024). Exploring the genetic architecture of powdery mildew resistance in wheat through QTL meta-analysis. In *FRONTIERS IN PLANT SCIENCE* (Vol. 15). FRONTIERS MEDIA SA. https://doi.org/10.3389/fpls.2024.1386494

Sharma, R., Wang, M., Chen, X., Lakkakula, I. P., St. Amand, P., Bernardo, A., Bai, G., Bowden, R. L., Carver, B. F., Boehm Jr, J. D., & Aoun, M. (2025). Genome-wide association mapping for the identification of stripe rust resistance loci in US hard winter wheat. In *THEORETICAL AND APPLIED GENETICS* (Vol. 138, Issue 4). SPRINGER. https://doi.org/10.1007/s00122-025-04858-3

Shewabez, E., Mugnai, L., Tadesse, W., & Alemu, A. (2025). Unraveling the genetic architecture of stripe rust resistance in ICARDA spring wheat. In *PLANT GENE* (Vol. 41). ELSEVIER. https://doi.org/10.1016/j.plgene.2024.100478

Yang, F., Wang, Y., Wu, L., Guo, Y., Liu, X., Wang, H., Zhang, X., Ren, K., Bai, B., Zhan, Z., & Liu, J. (2025). Genome-Wide Linkage Mapping of QTL for Adult-Plant Resistance to Stripe Rust in a Chinese Wheat Population Lantian 25 x Huixianhong. In *PLANTS-BASEL* (Vol. 14, Issue 16). MDPI. https://doi.org/10.3390/plants14162571

Yuan, W., Li, Y., Zhang, W., Ju, J., Guo, X., Yang, J., Lin, H., Wang, C., Ma, Q., & Su, J. (2025). Pinpointing MQTLs and candidate genes related to early maturity in upland cotton through the integration of meta-analysis, RNA-seq, and

VIGS approaches. In *INDUSTRIAL CROPS AND PRODUCTS* (Vol. 223). ELSEVIER. https://doi.org/10.1016/j.indcrop.2024.120195

Berenji, J., Dahlberg, J., Sikora, V., Latkovic, D. (2011). Origin, History, Morphology, Production, Improvement, and Utilization of Broomcorn [Sorghum bicolor (L.) Moench] in Serbia. In ECONOMIC BOTANY, 65(2): 190-208. https://doi.org/10.1007/s12231-011-9155-2

Овај рад има укупно 20 цитата у бази Web of Science, односно 16 цитата без аутоцитата:

Fu, J., James, B., Hetti-Arachchilage, M., Lei, Y., Mckinley, B., Kurtz, E., Barry, K., Moose, S. P., Mullet, J. E., Swaminathan, K., & Marshall-Colon, A. (2025). Stage-resolved gene regulatory network analysis reveals developmental reprogramming and genes with robust stem-preferred expression in sorghum. In *BMC PLANT BIOLOGY* (Vol. 25, Issue 1). BMC. https://doi.org/10.1186/s12870-025-07303-1

Ge, F., Xie, P., Wu, Y., & Xie, Q. (2023). Genetic architecture and molecular regulation of sorghum domestication. In *ABIOTECH* (Vol. 4, Issue 1, pp. 57–71). SPRINGERNATURE. https://doi.org/10.1007/s42994-022-00089-y

Hsieh, W.-H., Liao, H.-C., Chin, H.-S., Kuo, Y.-T., Chen, C.-H., Tsai, Y.-C., Paterson, A. H., & Lin, Y.-R. (2023). The geographic distributions and complex genetic relationships among four Sorghum taxa identified in Taiwan. In *WEED RESEARCH* (Vol. 63, Issue 5, pp. 317–327). WILEY. https://doi.org/10.1111/wre.12594

Indriatama, W. M., Garnita, G. S., Setiadi, T., Sihono, & Human, S. (2020). Yield productivity test and morphological characterization of 19 sorghum lines resulted from mutation breeding. In *INTERNATIONAL CONFERENCE ON SUSTAINABLE CEREALS AND CROPS PRODUCTION SYSTEMS IN THE TROPICS* (Vol. 484). IOP PUBLISHING LTD. https://doi.org/10.1088/1755-1315/484/1/012022

Jadhav, Y., Thakur, N. R., Ingle, K. P., & Ceasar, S. A. (2024). The role of phenomics and genomics in delineating the genetic basis of complex traits in millets. In *PHYSIOLOGIA PLANTARUM* (Vol. 176, Issue 3). WILEY. https://doi.org/10.1111/ppl.14349

Kanatas, P., Gazoulis, I., Zannopoulos, S., Tataridas, A., Tsekoura, A., Antonopoulos, N., & Travlos, I. (2021). Shattercane (Sorghum bicolor (L.) Moench Subsp. Drummondii) and Weedy Sunflower (Helianthus annuus L.)-Crop Wild Relatives (CWRs) as Weeds in Agriculture. In *DIVERSITY-BASEL* (Vol. 13, Issue 10). MDPI. https://doi.org/10.3390/d13100463

Khalfalla, M., Zsombik, L., & Gyori, Z. (2024). Revealing Consequences of the Husking Process on Nutritional Profiles of Two Sorghum Races on the Male Sterility Line. In *FOODS* (Vol. 13, Issue 7). MDPI. https://doi.org/10.3390/foods13071100

Khalfalla, M., Zsombik, L., Nagy, R., & Gyori, Z. (2024). Promoting the elemental profile of sorghum grain: Driving factors affecting nutritional properties under nitrogen fertilizer conditions. In *HELIYON* (Vol. 10, Issue 7). CELL PRESS. https://doi.org/10.1016/j.heliyon.2024.e28759

Klein, R. R., Miller, F. R., Dugas, D. V., Brown, P. J., Burrell, A. M., & Klein, P. E. (2015). Allelic variants in the PRR37 gene and the human-mediated dispersal and diversification of sorghum. In *THEORETICAL AND APPLIED GENETICS* (Vol. 128, Issue 9, pp. 1669–1683). SPRINGER. https://doi.org/10.1007/s00122-015-2523-z

Mendes, E. V. C., Albuquerque, C. J. B., Moncao, F. P., da Silva, N. G., de Freitas, R. S., Rigueira, J. P. S., da Silva, P. H. F., Pereira, M. I. B., Vieira, E. M., & Salles, J. S. (2025). Broom-type sorghum cultivars subject to planting densities: Agroeconomic responses and forage potential. In *CIENCIA RURAL* (Vol. 55, Issue 10). UNIV FEDERAL SANTA MARIA. https://doi.org/10.1590/0103-8478cr20240437

Righi, C. A., & Foltran, D. E. (2018). Broomcorn [Sorghum bicolor (L.) Moench] responses to shade: An agroforestry system interface simulation. In *AGROFORESTRY SYSTEMS* (Vol. 92, Issue 3, pp. 693–704). SPRINGER. https://doi.org/10.1007/s10457-016-0036-7

Shapter, F. M., Crowther, A., Fox, G., Godwin, I. D., Watson-Fox, L., Hannah, I. J. C., & Norton, S. L. (2018). The domestication, spread and uses of sorghum as a crop. In W. Rooney (Ed.), *ACHIEVING SUSTAINABLE CULTIVATION OF SORGHUM, VOL 2: SORGHUM UTILIZATION AROUND THE WORLD* (Vol. 32, pp. 31–64). BURLEIGH DODDS SCIENCE PUBLISHING LTD. https://doi.org/10.19103/AS.2017.0015.01

Veldandi, S., Shivani, D., Ramesh, S., Maheswaramma, S., Sujatha, K., Sravanthi, K., Yamini, K. N., Varaprasad, B. V., & Kumar, C. V. S. (2024). Characterization of genetic variability among sorghum genotypes by morphological descriptors associated with high yield and shoot fly resistance. In *CEREAL RESEARCH COMMUNICATIONS* (Vol. 52, Issue 4, pp. 1723–1729). SPRINGER HEIDELBERG. https://doi.org/10.1007/s42976-023-00473-4

Wang, Y., Tan, L., Fu, Y., Zhu, Z., Liu, F., Sun, C., & Cai, H. (2015). Molecular Evolution of the Sorghum Maturity Gene Ma3. In *PLOS ONE* (Vol. 10, Issue 5). PUBLIC LIBRARY SCIENCE. https://doi.org/10.1371/journal.pone.0124435

Wu, X., Liu, Y., Leng, C., Liu, Z., Li, Z., Lu, X., Cai, H., Hao, H., & Jing, H.-C. (2022). Genomic footprints of sorghum domestication and breeding selection for multiple end uses. In *MOLECULAR PLANT* (Vol. 15, Issue 3, pp. 537–551). CELL PRESS. https://doi.org/10.1016/j.molp.2022.01.002

Zhu, M., Chen, J., Yuyama, N., Luo, L., Xiao, X., Lv, Y., Liu, Y., & Cai, H. (2020). Genetic Diversity and Population Structure of Broomcorn Sorghum Investigated with Simple Sequence Repeat Markers. In *TROPICAL PLANT BIOLOGY* (Vol. 13, Issue 1, pp. 62–72). SPRINGER. https://doi.org/10.1007/s12042-019-09251-1

4.2. Међународна научна сарадња

Проф. др Драгана Латковић је члан пројектног тима пројекта Valorisation of ecosystem services provided by legum crops, акроним VALERECO, шифра 1011354272, који финансира Европска унија из програма Хоризонт Европа у периоду 2024–2028. година.

У претходном периоду је била учесник још три међународна пројекта:

- Improving the knowledge-base and infrastructure to enhance the efficiency of nutrient use in agriculture and to reduce the negative impact of agriculture on the environment, акроним SCOPES, шифра IZ74Z0_160486, програм Scientific Co-operation between Eastern Europe and Switzerland, који су финансирале организације The Swiss National Science Foundation (SNSF) и the Swiss Agency for Development and Cooperation (SDC) у периоду 2015–2018. година.
- The impact of crop production systems in agronomy on yield, quality of yield and protection of agro-ecosystem, шифра br: 651-03-1251/2012-09/46 који је финансирало Министарство за науку Републике Србије и Републике Словеније у периоду 2012–2013. година.
- Wireless Sensor Networks and Remote Sensing - Foundation of a Modern Agricultural Infrastructure in the Region, акроним AgroSense, шифра 204472, који је финансирала Европска унија у оквиру позива FP7-REGPOT-2007-3 у периоду 2008–2010. година.

4.3. Руковођење пројектима и потпројектима (радним пакетима)

Др Драгана Латковић је била руководилац ИПА пројекта прекограничне сарадње под називом „Competitive sustainability of agricultural enterprises through the development of new products with added value based on alternative plant species“, акроним CORNUCOPIA, HUSRB/1602/41/0214, који је трајао у периоду 2018-2020. година. У периоду 2016-2019. година др Драгана Латковић је била руководилац научног пројекта „Ренесанса индустријске конопље у светлу актуелних агрономско-медицинских изазова“, финансираног од стране Покрајинског секретаријата за науку и технолошки развој. Др Драгана Латковић је била руководилац пројекта научно-технолошке сарадње под називом Африка: SAZM-BIPOM Агро-индустријски инкубатор, шифра 13-40-4813, финансираног од стране Покрајинског секретаријата за међурегионалну сарадњу и локалну самоуправу у периоду 2014-2015. година.

Поред тога, кандидаткиња је учествовала на још пет пројеката које је финансирало Министарство просвете, науке и технолошког развоја Републике Србије - Органска пољопривреда: Унапређење производње применом ђубрива, биопрепарата и биолошких мера (ТР 31027, период 2011–2019), Унапређење производње кукуруза и сирка у условима стреса (ТР 31073, период 2011–2019), Оплемењивање кукуруза на толерантност према стресним факторима (Бр: 006897, период 2005–2007), Оплемењивање кукуруза на висок принос зрна и биомасе (Бр: 2.02.0434.Б/1, период 2001–2004), Развој и примена савремених система производње и искоришћавања кукуруза (Бр: С.4.02.37.035, период 1994–1997), као и на пројекту Министарства пољопривреде Србије (СТАР) под називом Рационална употреба минералних ђубрива у циљу оптимализације технологије гајења ратарских биљака (Бр. 401-001964/2010-03, период 2010–2011) финансираном од стране Међународне банке за обнову и развој (IBRD) и Глобалног фонда за заштиту животне средине (GEF).

Кандидаткиња је такође узела учешће и на шест пројеката Покрајинског секретаријата за високо образовање и научноистраживачку делатност АП Војводине - Иновативне стратегије за унапређење производње кукуруза у АП Војводини InnoStraMaize (пројекат од значаја за развој научноистраживачке делатности АП Војводине за пројектни циклус 2025–2028. године), Техничке иновације и дигитална трансформација у пољопривреди (Програм заједничких истраживачких пројеката научноистраживачких организација чији је оснивач АП Војводина у сарадњи са научноистраживачким организацијама Републике Српске у 2025. години), Рационална употреба ђубрива и пестицида у функцији заштите агроекосистема, квалитета и економичности ратарске производње на основу вишегодишњих огледа (Бр: 114-451-1012/2014-03, период 2011–2015), Вишегодишњи стационарни огледи у функцији очувања животне средине и постизања оптималних приноса најважнијих ратарских биљака у Војводини (Бр: 114-451-02548, период 2008–2010), Стварање хибрида кукуруза на толерантност према биотичким и абиотичким факторима стреса (Бр: 20101/10, период 2007–2010), Класификација и регионализација стратешких култура Војводине (Бр: 114-451-00585, период 2005–2011).

4.4 Предавања по позиву (осим на конференцијама)

Др Драгана Латковић је одржала серије предавања по позиву на институцијама високог образовања у Чешкој, Мађарској, Русији и Хрватској:

- University of South Bohemia in Ceske Budejovice, Faculty of Agriculture and Technology у периоду 7-11.8.2023. године у оквиру CEEPUS сарадње HU-0003-18-2223

- University of Debrecen у периоду 27.5-15.6.2013. године у оквиру CEEPUS сарадње
- Russian State Agrarian University, Moscow Timiryazev Agricultural Academy серију предавања на докторским студијама на предмету Environmental impact assessment and integrated systems of sustainable agroecosystem management, студијски програм Agroecology у периоду 01-13.07.2013. године
- University of Zagreb, Faculty of Agriculture у периоду 1-11.6.2010. године у оквиру CEEPUS сарадње CII-HU-0003-05-0910.

4.5 Образовање научних кадрова

Др Драгана Латковић је била члан комисије за одбрану три докторске дисертације:

- Ђаловић, Ивица (2014): Важније морфолошке особине и садржај биогених елемената код хибрида кукуруза при разним нивоима ђубрења. Докторска дисертација. Универзитет у Новом Саду, Пољопривредни факултет.
- Аћин, Владимир (2016): Рокови и густине сетве у функцији приноса озиме пшенице у дуготрајном пољском огледу. Докторска дисертација. Универзитет у Новом Саду, Пољопривредни факултет.
- Радановић, Зоран (2018): Утицај озимих међуусева на динамику минералног азота, принос и квалитет силажног кукуруза. Докторска дисертација. Универзитет у Новом Саду, Пољопривредни факултет.

као и ментор за израду две докторске дисертације:

- Дунђерски Душан (2024): Дејство етефона на морфолошке особине надземног дела кукуруза. Докторска дисертација. Универзитет у Новом Саду, Пољопривредни факултет.
- Дугалић, Маријана (чека се одбрана): Принос кукуруза у зависности од калцизације псеудоглејног земљишта и ђубрења. Докторска дисертација. Универзитет у Новом Саду, Пољопривредни факултет.

Поред тога, била је ментор за израду 5 мастер и 15 дипломских радова, те члан комисије за одбрану 16 мастер и 58 дипломских радова.

У периоду од када је изабрана у звање ванредног професора, др Драгана Латковић изводи наставу на основним, мастерим и докторским академским студијама на Пољопривредном факултету, Универзитета у Новом Саду и то - на предметима Ратарство и повртарство (студијски програм ОАС Пољопривредна техника), Ратарство и повртарство (студијски програм ОАС Фитомедицина), Ратарство и повртарство (студијски програм ОАС Агроекологија и заштита животне средине), Гајење алтернативних њивских биљака (изборни предмет ОАС студијског програма Ратарство и повртарство), Производња жита и зрнених махуњача (студијски програм МАС Гајење њивских биљака/Гајење ратарских биљака), Стручна пракса (студијски програм МАС Гајење њивских биљака/Гајење ратарских биљака), Стручна пракса (студијски програм МАС Генетика, оплемењивање биљака и семенарство) и Производња жита и зрнених махуњача (студијски програм ДАС Гајење њивских биљака).

У раду са студентима др Драгана Латковић, испољава висок степен ангажовања, организованости и одговорности према раду и постављеним задацима у извођењу наставе. Према кумулативним подацима о оцени рада наставника од стране студената Пољопривредног факултета, наставни рад, др Драгане Латковић је оцењен просечном оценом 4,88 (укупно анкетирано 164 студента различитих студијских програма, скала 1-5).

4.4. Допринос развоју одговарајућег научног правца

Научни допринос др Драгане Латковић развоју научне области ратарства кроз унапређење технологије гајења кукуруза и алтернативних биљних врста огледа се у дефинисању и оптимализацији савремених агротехничких мера код ратарских култура, са посебним фокусом на кукуруз (*Zea mays* L.) и алтернативне биљне врсте, превасходно индустријску конопљу (*Cannabis sativa* L.). Кандидаткиња је кроз своја истраживања значајно унапредила разумевање интеракције генотип × спољна средина × агротехника, пружајући научну основу за прилагођавање технологије гајења промењеним климатским условима.

У области агротехнике кукуруза, кандидат је као водећи аутор и истраживач, независно од ментора и истраживања из докторске дисертације, дала оригинални допринос у следећим сегментима:

1. Оптимизација склопа и ђубрења: Дефинисала је специфичне моделе густине сетве и минералне исхране (азот, фосфор, калијум) за нове генерације хибрида кукуруза различитих група зрења. Њени резултати су јасно квантификовали утицај агротехничких мера на компоненте приноса и морфолошке особине биљке у условима абиотичког стреса (суше), чиме је омогућена прецизнија препорука за производну праксу.

2. Оптимизација рокова сетве у зависности од генотипа. На основу вишегодишњих истраживања јасно се види за коју ФАО групу зрења је најоптималнији рок сетве. Наравно да све зависи од временских услова, али у просеку и у већини година ранији рокови сетве дају више приносе.
3. Ефикасност искоришћења азота (NUE): Кроз вишегодишња истраживања, кандидат је идентификовала агротехничке поступке који повећавају ефикасност усвајања азота код кукуруза, директно доприносећи смањењу еколошког отиска и рационализацији трошкова производње, што представља значајан научни помак у домену одрживе пољопривреде.

У области алтернативних биљних врста, са акцентом на индустријску конопљу, др Драгана Латковић је позиционирана као један од водећих стручњака у региону. Њен допринос се огледа у 1) Ревитализацији и модернизацији технологије гајења: Кандидат је научно утемељила агротехничке протоколе за дуалну производњу конопље (за зрно и стабло/влакно). Њени радови расветљавају утицај рокова сетве и норми ђубрења на принос и квалитет биомасе, што је од кључног значаја за поновно увођење ове културе у интензивни систем ратарења; 2) Валоризацији агроеколошког значаја: Истраживања кандидата су доказала позитиван утицај алтернативних култура на структуру земљишта и биодиверзитет, пружајући научне доказе за њихово укључивање у плодоред као мере за адаптацију на климатске промене.

Сви наведени резултати проистекли су из истраживања реализованих у периоду након одбране докторске дисертације. Увидом у библиографију, јасно се уочава да је кандидат у кључним радовима који дефинишу овај допринос потписана као први или водећи аутор, те да су радови настали као резултат самосталног научноистраживачког рада, без коауторства са ментором. Методолошки приступ, интерпретација резултата и изведени закључци у наведеним публикацијама недвосмислено указују на научну зрелост кандидата и њен континуирани допринос развоју научне дисциплине Опште и Посебно ратарство и технологија гајења биљака.

5. БИБЛИОГРАФИЈА КАНДИДАТА

5.1. БИБЛИОГРАФИЈА РАДОВА У ПЕРИОДУ ОД ПОСЛЕДЊИХ 15 ГОДИНА (ОЦЕЊИВАНИ ПЕРИОД)

M21a+ Рад у водећем међународном часопису категорије M21a+

1. Visković, J., Sikora, V., **Latković, D.**, Zeremski, T., Dunđerski, D., Astatkie, T., Noller, J. S., & Zheljazkov, V. (2024). Optimization of hemp production technology for fiber and seed. In Industrial Crops and Products, 219: 119127. https://doi.org/10.1016/j.indcrop.2024.119127
   20/(1+0,2(8-7))=16,7

M21a Рад у водећем међународном часопису категорије M21a

2. Dugalić, M., Rakočević-Bošković, L., **Latković, D.**, Rajičić, V., Terzić, D.,& Životić, L.. (2025). Effect of Lime, Mineral Fertilizer and Manure on Soil Characteristics and Yield of Four Maize Hybrids. in Agronomy, 15(3): 542. https://doi.org/10.3390/agronomy15030542
3. Dugalić, M., Životić, L., Gajić, B., & **Latković, D.** (2024). Small Doses of Lime with Common Fertilizer Practices Improve Soil Characteristics and Foster the Sustainability of Maize Production. In Agronomy, 14(1): 46. https://doi.org/10.3390/agronomy14010046
4. Visković, J., Dunđerski, D., Adamović, B., Jaćimović, G., **Latković, D.**, & Vojnović, Đ. (2024). Toward an Environmentally Friendly Future: An Overview of Biofuels from Corn and Potential Alternatives in Hemp and Cucurbits. In Agronomy, 14(6): 1195. https://doi.org/10.3390/agronomy14061195
5. Dunđerski, D., Jaćimović, G., Crnobarac, J., Visković, J., & **Latković, D.** (2023). Using Digital Image Analysis to Estimate Corn Ear Traits in Agrotechnical Field Trials: The Case with Harvest Residues and Fertilization Regimes. In Agriculture, 13(3): 732. https://doi.org/10.3390/agriculture13030732
6. Prvulović, D., Gvozdenac, S., **Latković, D.**, Tukuljac, M. P., Sikora, V., Kiprovski, B., Mišan, A., Chrysargyris, A., Tzortzakis, N., & Ovuka, J. (2023). Phytotoxic and insecticidal activity of industrial hemp (Cannabis sativa L.) extracts against Plodia interpunctella Hübner—A potential sunflower grain protectant. In Agronomy, 13(10): 2456. https://doi.org/10.3390/agronomy13102456
   12/(1+0,2(10-7))=7,5
7. Visković, J., Zheljazkov, V. D., Sikora, V., Noller, J., **Latković, D.**, Ocamb, C. M., & Koren, A. (2023). Industrial Hemp (Cannabis sativa L.) Agronomy and Utilization: A Review. In Agronomy, 13(3): 931. https://doi.org/10.3390/agronomy13030931
8. Popović, B., Blagojević, B., **Latković, D.**, Četojević-Simin, D., Kucharska, A. Z., Parisi, F., & Lazzara, G. (2021). A one step enhanced extraction and encapsulation system of cornelian cherry (Cornus mas L.)

polyphenols and iridoids with β-cyclodextrin. In Lwt-food Science and Technology (Lebensmittel—Wissenschaft und Technologie), 141: 110884. https://doi.org/10.1016/j.lwt.2021.110884

9. Milić, S., Ninkov, J., Zeremski, T., **Latković, D.**, Šeremešić, S., Radovanović, V., & Žarković, B. (2019). Soil fertility and phosphorus fractions in a calcareous chernozem after a long-term field experiment. In Geoderma, 339: 9-19. https://doi.org/10.1016/j.geoderma.2018.12.017
10. Kiprovski, B., Mikulić-Petkovšek, M., Slatnar, A., Veberič, R., Stampar, F., Malenčić, Đ., & **Latković, D.** (2015). Comparison of phenolic profiles and antioxidant properties of European Fagopyrum esculentum cultivars. In Food Chemistry, 185: 41-47. https://doi.org/10.1016/j.foodchem.2015.03.137

M21 Рад у водећем међународном часопису категорије M21

11. Adamović, B., Vojnović, Đ., Maksimović, I., Putnik-Delić, M., Kovačević, D., Čabilovski, R., Živanov, M., Ignjatov, M., Červenski, J., **Latković, D.** (2025). Effect of Sugar Beet Molasses and Compost from Brewery Sludge on Celery (Apium graveolens var. rapaceum) Yield and Nutrient Uptake. Horticulturae, 11(7): 836-836. https://doi.org/10.3390/horticulturae11070836
    8/(1+0,2(10-7))=5
12. Đalović, I., Prasad, V. P. V., Dunđerski, D., Katanski, S., **Latković, D.**, & Kolarić, L. (2024). Optimal Plant Density Is Key for Maximizing Maize Yield in Calcareous Soil of the South Pannonian Basin. In Plants, 13(13): 1799. https://doi.org/10.3390/plants13131799
13. Szuba-Trznadel, A., Jama-Rodzenska, A., Galka, B., Ramut, R., Krol, Z., Jarki, D., & **Latkovic, D. S.** (2024). The impact of the distribution method for struvite (Crystal Green) on the chemical composition of soybean and their utility in animal nutrition. In Scientific Reports, 14: 1093. https://doi.org/10.1038/s41598-024-51625-3
14. Kumar, S., Saini, D. K., Jan, F., Jan, S., Tahir, M., Đalović, I., **Latković, D.**, Khan, M. A., Kuma, S., Vikas, V. K., Kumar, U., Kumar, S., Dhaka, N. S., Dhankher, O. P., Rustgi, S., & Mir, R. R. (2023). Comprehensive meta-QTL analysis for dissecting the genetic architecture of stripe rust resistance in bread wheat. In BMC Genomics, 24(1): 259. https://doi.org/10.1186/s12864-023-09336-y
    8/(1+0,2(16-7))=2,8
15. Purar, B., Đalović, I., Bekavac, G., Grahovac, N., Krstović, S., **Latković, D.**, Hajnal, E. J., & Živančev, D. (2022). Changes in Fusarium and Aspergillus Mycotoxin Content and Fatty Acid Composition after the Application of Ozone in Different Maize Hybrids. In Foods, 11(18): 2877. https://doi.org/10.3390/foods11182877
    8/(1+0,2(8-7))=6,7
16. Jama-Rodzenska, A., Chochura, P., Galka, B., Szuba-Trznadel, A., Svecnjak, Z., & **Latkovic, D. S.** (2021). Effect of Various Rates of P from Alternative and Traditional Sources on Butterhead Lettuce (Lactuca sativa L.) Grown on Peat Substrate. In Agriculture, 11(12): 1279. https://doi.org/10.3390/agriculture11121279
17. **Latkovic, D.**, Maksimovic, J., Dinic, Z., Pivic, R., Stanojkovic, A., & Stanojkovic-Sebic, A. (2020). Case Study upon Foliar Application of Biofertilizers Affecting Microbial Biomass and Enzyme Activity in Soil and Yield Related Properties of Maize and Wheat Grains. In Biology, 9(12): 452-452. https://doi.org/10.3390/BIOLOGY9120452
18. Zheljazkov, V. D., Sikora, V., Dincheva, I., Kacaniova, M., Astatkie, T., Semerdjieva, I. B., & **Latković, D.** (2020). Industrial, CBD, and Wild Hemp: How Different Are Their Essential Oil Profile and Antimicrobial Activity? In Molecules, 25(20): 4631. https://doi.org/10.3390/molecules25204631
19. Ćupina, B., Vujić, S., Krstić, Đ., Radanović, Z., Čabilovski, R., Manojlović, M., & **Latković, D.** (2017). Winter cover crops as green manure in a temperate region: The effect on nitrogen budget and yield of silage maize. In Crop & Pasture Science, 68(11): 1060-1069. https://doi.org/10.1071/cp17070
20. Sikora, V., Popović, V., Zorić, M., **Latković, D.**, Filipović, V., Tatić, M., & Ikanović, J. (2016). An agro-technological characterization of south-eastern European broomcorn landraces. In Pakistan Journal of Agricultural Sciences, 53(3): 567-576. https://doi.org/10.21162/PAKJAS/16.3061

M22 Рад у међународном часопису категорије M22

21. Samardžić, M., Galić, Z., Jajić, I., **Latković, D.**, Vasin, J., Andreeva, I. V., & Vasenev, I. I. (2020). Environmental assessment of greenhouse gases emission from sheep breeding in Vojvodina region of Serbia. In Acta Veterinaria-Beograd, 70(4): 484-496. https://doi.org/10.2478/acve-2020-0036
22. **Latković, D.**, Jaćimović, G., Malešević, M., Marinković, B., & Crnobarac, J. (2012). Corn Monoculture Yield Response to Fertilization and Nitrate Nitrogen Distribution. In Communications In Soil Science And Plant Analysis, 43(7): 1015-1023. https://doi.org/10.1080/00103624.2012.656165

23. Berenji, J., Dahlberg, J., Sikora, V., & **Latković, D.** (2011). Origin, History, Morphology, Production, Improvement, and Utilization of Broomcorn [Sorghum bicolor (L.) Moench] in Serbia. In Economic Botany, 65(2): 190-208. https://doi.org/10.1007/s12231-011-9155-2
24. Dahlberg, J., Berenji, J., Sikora, V., & **Latković, D.** (2011). Assessing sorghum [Sorghum bicolor (L) Moench] germplasm for new traits: Food, fuels & unique uses. In Maydica, 56(2): 165-172. https://enauka.gov.rs/handle/123456789/407968

M23 Рад у међународном часопису категорије М23

25. Koren, A., Sikora, V., Kiprovski, B., Brdar-Jokanović, M., Aćimović, M., Konstantinović, B., & **Latković, D.** (2020). Controversial taxonomy of hemp. In Genetika-Belgrade, 52(1): 1-13. https://doi.org/10.2298/GENSR2001001K
26. Nikolić, L., Šeremešić, S., Ljevnaić-Mašić, B., **Latković, D.**, & Konstantinović, B. (2020). Weeds and their ecological indicator values in a long-term experiment. In Applied Ecology and Environmental Research, 18(3): 4775-4790. https://doi.org/10.15666/aeer/1803_47754790
27. Nikolić, L., Šeremešić, S., Milošev, D., Đalović, I., & **Latković, D.** (2018). Weed infestation and biodiversity of winter wheat under the effect of long-term crop rotation. In Applied Ecology & Environmental Research, 16(2): 1413-1426. https://doi.org/10.15666/aeer/1602_14131426
28. **Latković, D.**, Jaćimović, G., Malešević, M., Marinković, B., Crnobarac, J., & Sikora, V. (2011). Effect of Fertilization System and NO_3-N Distribution on Corn Yield. In Cereal Research Communications, 39(2): 289-297. https://doi.org/10.1556/CRC.39.2011.2.13
29. Sikora, V., Berenji, J., & **Latković, D.** (2011). Influence of agroclimatic conditions on content of main cannabinoids in industrial hemp (Cannabis sativa L.). In Genetika-Belgrade, 43(3): 449-456. https://doi.org/10.2298/GENSR1103449S

M24 Рад у водећем националном часопису категорије М24

30. Poštić, D., Jošić, D., Lepšanović, Z., Aleksić, G., **Latković, D.**, & Starović, M. (2019). The effect of Pseudomonas chlororaphis subsp. aurantiaca strain Q16 able to inhibit Fusarium oxysporum growth on potato yield. In Ratarstvo i povrtarstvo, 56(2): 41-48. https://doi.org/10.5937/ratpov56-20428
31. Samardžić, M., Vasin, J., Jajić, I., Andreeva, I. V., **Latković, D.**, & Vasenev, I. I. (2018). Environmental assessment of the greenhouse gases emission from poultry production in Russia's central region. In Journal of Agricultural Sciences (Belgrade), 63(3): 261-270. https://doi.org/10.2298/JAS1803261S

M31 Пленарно или уводно предавање по позиву са међународног скупа штампано у целини

32. **Latković, D.** S., Crnobarac, J., Jaćimović, G., & Visković, J. (2018). Production of corn in Serbia in the light of climate change. In 150th Anniversary of the Foundation of Agricultural University in Debrecen, Acta Agraria Debreceniensis 150, Journal of Agricultural Sciences, 305-322. https://doi.org/10.34101/actaagrar/150/1726

M32 Пленарно или уводно предавање по позиву са међународног скупа штампано у изводу

33. Crnobarac, J. Ž., Marinković, B., **Latković, D.** S., & Jaćimović, G. P. (2017). The influence of fertilization on maize and sugar beet yield and soil properties in the long-term experiment. In Book of Abstracts, International Conference „Soil organic matter and its impact on soil quality and production“, 27-31.3.2017, Novi Sad, 9-10.
34. **Latković, D.** S., Crnobarac, J. Ž., Sikora, V. Š., Stojanović, A. S., Kiprovski, B. M., & Gajdobranski, A. A. (2017). Doprinos alternativnih biljaka očuvanju i zaštiti biodiverziteta. In Zbornik apstrakata, 1. naučno-stručni skup “Perspektive očuvanja i zaštite voda”, 16.10.2017, Beograd, 29-30.
35. **Latković, D.** S., Marinković, B., Crnobarac, J. Ž., & Jaćimović, G. P. (2017). Contemporary approach to field crops production. In Book of abstracts, 15th Wellmann International Scientific Conference “Towards Sustainable Agriculture: An Interdisciplinary Approach”, 3.5.2017, Hódmezovásárhely, Hungary, 9-10.

M33 Саопштење са међународног скупа штампано у целини

36. Gajdobranski, A., Krmpot, V., & **Latković, D.** (2020). Agriculture during the Pandemic and Expectations in the Postperiod. In COVID-19 Pandemic Crisis Management: A non-medical approach: International thematic proceedings.
37. Iličić, R. M., **Latković, D.** S., & Jošić, D. (2019). Increase in growth and yield of soybean in field trial by IAA-producing mutant Bacillus sp. co-inoculated with B. japonicum. In Proceedings, 10th International Agriculture Symposium “Agrosym 2019”, 3-6.10.2019, Jahorina, 41-46.

38. Iličić, R. M., **Latković, D.** S., Vlajić, S. A., Popović, T. Č., & Jošić, D. (2019). Effect of PGPR treatments on soybean (Glycine max (L.) Merr.) growth and yield under drought stress. In Proceedings, 1st International Symposium: Modern Trends in Agricultural Production and Environmental Protection, 2-5.7.2019, Tivat-Montenegro 347-357.
39. Prvulović, D., Gvozdenac, S., Tukuljac, M. P., Malenčić, D., Kiprovski, B., Sikora, V., & **Latković, D.** (2019). Effect of extraction solvents on the antioxidant activity of industrial hemp extracts. In Zbornik radova, 24. Savetovanje o biotehnologiji sa međunarodnim učešćem, 15-16.3.2019, Čačak, 31-36.
40. Gajdobranski, A. A., **Latković, D.**, Krmpot, V., & Janković, M. (2018). Unapređenje i zaštita vodnih resursa u Vojvodini. In Zbornik apstrakata, 2. naučno-stručni skup sa međunarodnim učešćem "Inženjerski menažment u zaštiti vodnih resursa", oktobar 2018, Beograd, 123-130.
41. Gajdobranski, A. A., **Latković, D.** S., Krmpot, V. B., & Timotijević, M. (2017). Uloga države i odgovornost poljoprivrednih gazdinstava u očuvanju životne sredine u cilju proizvodnje zdravstveno-bezbedne hrane. In Zbornik radova, 1. naučno-stručni skup "Perspektive očuvanja i zaštite voda", 16.10.2017, Beograd, 197-207.
42. Kiprovski, B., Koren, A., Sikora, V., Zeremski, T., Konstantinović, B., **Latković, D.**, & Vidovic, S. (2017). Fiber hemp response to foliar application of growth regulators. In Proceedings, 23rd International Symposium on Analytical and Environmental Problems, 9-10.10.2017, Szeged, Hungary.
43. Timotijević, M., Gajdobranski, A. A., & **Latković, D.** S. (2017). Konoplja biljka budućnosti. In Zbornik radova, 1. naučno-stručni skup "Perspektive očuvanja i zaštite voda", 16.10.2017, Beograd, 221-227.
44. Crnobarac, J. Ž., Balalić, I. M., **Latković, D.** S., Jaćimović, G. P., & Ćupina, B. T. (2016). Effect of long-term N, P and K fertilization on confectionary sunflower hybrids. In 14th ESA Congress (European Society of Agronomy Conference 2016: „Growing landscapes – Cultivating innovative agricultural systems").
45. Jaćimović, G., Aćin, V., Mirosavljević, M., Crnobarac, J., Marinković, B., & **Latković, D.** (2016). Long-term effects of straw incorporation and increasing doses of nitrogen on the wheat yield. In Book of Proceedings, 7th International Scientific Agriculture Symposium "Agrosym 2016", Jahorina, Republic of Srpska, Bosnia and Herzegovina.
46. Marinković, B., Marinković, J., Marinković, D. Crnobarac, J., **Latković, D.**, Aleksandrovič, K. V. & Vasiljčenko, A. M. (2016). The impact of nitrogen on crop yields and food quality. In 25th International Conference „Ecology & Safety", 23-27.6.2016, Elenite, Bulgaria. Journal of International Scientific Publications Ecology & Safety, 10: 18-26.
47. Marinković, B., Crnobarac, J., Jaćimović, G., **Latković, D.**, & Marinković, D. (2014). Influence of required time for emergence on growth and yield of sugar beet. In 8th International Symposium "Trends in the European Agriculture Development", 29-30.5.2014, Timisoara. Research Journal of Agricultural Science, 46(2): 166-170.
48. Jaćimović, G., Aćin, V., Malešević, M., Marinković, B., Crnobarac, J., **Latković, D.**, & Šeremešić, S. (2013). Efficiency of wheat mineral nutrition depending on year conditions and fertilization intensity. In Proceedings, 2nd International Scientific Conference „Soil and Crop Management: Adaptation and Mitigation of Climate Change". Osijek, Croatia.
49. Crnobarac, J., Marinković, B., Vujić, M., Jaćimović, G., **Latković, D.**, Adamović, D. (2012). Biodiversity preservation and good agricultural and collection practices (GACP) for medicinal plants. In 21th International Symposium »Ecology & Safety, For a cleaner and safer world«, 8-12.6.2012, Sunny Beach, Bulgaria. Journal of International Scientific Publication: Ecology & Safety, 6(2): 380-385.
50. Crnobarac, J., Dušanić, N., Balalić, I., Marinković, B., **Latković, D.**, & Jaćimović, G. (2012). Long-term influence of cultural practices on sunflower yields in commercial production in Serbia. In Proceedings, 18th International Sunflower Conference, 27.2-1.3.2012. Mar del Plata & Balcare, Argentina, 748-753.
51. Crnobarac, J., Marinković, B., Jaćimović, G., **Latković, D.**, Balijagić, J., & Mrđa, J. (2012). Stability estimation of pot marygold dry flowers and petals yield. In Proceedings, 7th Conference on Medicinal and Aromatic Plants of Southeast European Countries (7th CMAPSEEC), 27-31.5.2012, Subotica, 248-254.
52. Crnobarac, J., Jaćimović, G., Marinković, B., **Latković, D.**, & Balijagić, J. (2011). The Effect of Cultivar and Row Distance on Yield and Quality of Pot Marigold. In 28th International horticultural congress on science and horticulture for people (IHC2010): a new look at medicinal and aromatic plants seminar. 22-27.8.2011, Lisbon, Portugal. Acta Horticulturae (ISHS), 925: 141-146. https://doi.org/10.17660/ActaHortic.2011.925.19.
53. Crnobarac, J., Marinković, B., Jaćimović, G., **Latković, D.**, & Balijagić, J. (2011). The Effect of Cultivar and Stand Density on Yield Components and Yield of Pot Marigold. In 2nd International Scientific Conference on Medicinal, Aromatic and Spice Plants, Slovak University of Agriculture in Nitra, 6-8.9.2011, Acta Fytotechnica et Zootechnica, 14(1): 6-8.

M34 Саопштење са међународног скупа штампано у изводу

54. Miladinović, J., Đorđević, V., Vollmann, J., Vasiljević, M., Ranđelović, P., Ćeran, M., Jaćimović, S., Đukić, V., **Latković, D.**, & Rittler, L. (2023). Soybean breeding in Europe: Methods, sources, and utilization. In Abstracts, 11th World Soybean Research Conference (WSRC 11), Soybean Research for Sustainable Development, Vienna, 18-23 June 2023. https://doi.org/10.5281/zenodo.7974681
0,5/(1+0,2(10-7))=0,3
55. **Latković, D.**, Dunđerski, D., Visković, J., Jaćimović, G., & Užar, D. (2022). The yield of FAO 300—700 corn hybrids achieved with individual and combined NPK in a dry year. In Book of Abstracts, 57th Croatian and 17th International Symposium on Agriculture, 19-24.6.2022, Vodice, Croatia, 210.
56. Dunđerski, D., **Latković, D.**, Crnobarac, J., Jaćimović, G., & Visković, J. (2021). Response of corn hybrids to fertilizers and planting density. In CASEE Conference 2021 "CASEE Universities as Laboratories for New Paradigms in Life Sciences and Related Disciplines", 7-8.6.2021, Prague, 41. https://doi.org/10.13140/RG.2.2.34718.25925
57. Prvulović D., Gvozdenac S., Ovuka J., Kolarov R., Peić Tukuljac M., & **Latković D.** (2020). Allelopathic effects of nettle (Urtica dioica L.) ethanolic extracts on soybean seeds. In Book of Abstracts, 19th International Conference "Life Sciences for Suistainable Development", 24-25.9.2020, Cluj-Napoca, Romania, 40.
58. Iličić, R. M., **Latković, D.** S., & Jošić, D. (2019). Increase in growth and yield of soybean in field trial by IAA-producing mutant Bacillus sp. co-inoculated with B. japonicum. In Book of Abstracts, 10th International Agriculture Symposium "Agrosym 2019", 3-6.10.2019, Jahorina, 216.
59. Jaćimović, G., Aćin, V., Crnobarac, J., **Latković, D.**, Brbaklić, Lj., Visković, J., Dunđerski, D. (2019). Dynamics of formation, grain filling and maturation of some winter wheat cultivars with different length of vegetation. In Book of Abstracts, 10th International Scientific Agriculture Symposium „Agrosym 2019", 3-6.10.2019, Jahorina, 219.
60. Prvulović, D., Ovuka, J., Gvozdenac, S., Tukuljac, M. P., Kiprovski, B., Koren, A., & **Latković, D.** (2019). Allelopathic effects of industrial hemp (Cannabis sativa L.) on antioxidant enzymes activity of soybean seedlings. In Book of Abstracts, 7th Central European Congress of Life Sciences-Eurobiotech, 23-25.09.2019, Krakow, Poland, 64.
61. Crnobarac, J. Ž., Marjanović-Jeromela, A., Balalić, I., **Latković, D.**, Jaćimović, G., & Visković, J. (2018). The Effect of Nitrogen Top Dressing on Rapeseed Yield and Oil Content. In Book of Abstracts, 15th European Society for Agronomy Congress (ESA), 27-31-8.2018, Geneva, 99.
62. Crnobarac, J. Ž., Marinković, B., **Latković, D.** S., Jaćimović, G., & Visković, J. (2018). Long-term effect of organic fertilizers and nitrogen fertilization on yield and nitrogen use efficiency in—Sugar beet. In Book of Abstracts, International conference „Improving nutrient use efficiency in agriculture and reducing negative impacts of agriculture on the environment", 22-23.5.2018, Prague, 6.
63. Jaćimović, G. P., Aćin, V. A., Crnobarac, J., **Latković, D.** S., Visković, J. S., & Kolarić, L. (2018). Effect of Long-Term Straw Incorporation and N-Fertilization on the Wheat Yield. In Book of Abstracts, 15th European Society for Agronomy Congress (ESA), 27-31-8.2018, Geneva, 98.
64. Jaćimović, G. P., Aćin, V. A., Crnobarac, J., **Latković, D.** S., Visković, J. S., & Mirosavljević, M. (2018). Evaluation of nutrient use efficiency in wheat production based on a long-term field trial. In Book of Abstracts, International conference „Improving nutrient use efficiency in agriculture and reducing negative impacts of agriculture on the environment", 22-23.5.2018, Prague, 21.
65. Jošić, D., Dinić, Z. S., Pivić, R. N., Iličić, R., & **Latković, D.** (2018). Characterization of Halotolerant Pseudomonas spp. Strains with Phosphate Solubilizing Ability. In Book of Abstracts, International Conference on Agriculture, Forest, Food Sciences and Technologies (ICAFOF), 2-5.4.2018, Cesme-Izmir, Turkey, 253.
66. Jošić, D., Iličić, R., Vlajić, S., **Latković, D.**, & Lepšanović, Z. (2018). Antibiotic-producing Pseudomonas spp. Inhibited Growth of Seed-borne Fungi on Soybeans [Glycine max (L.) Merr.]. In Book of Abstracts, International Conference on Agriculture, Forest, Food, Food Sciences and Technologies, 2-5.4.2018, Izmir, Turska, 289.
67. **Latković, D.** S., Jošić, D., Pivić, R., Stanojković-Sebić, A., & Iličić, R. M. (2018). Droughts stress influence on indole acetic acid producing rhizobacteria and their plant growth effectiveness. In ISME17—17th International Symposium on Microbial Ecology, 12-17.8.2018, Leipzig, Germany, 571.
68. **Latković, D.** S., Crnobarac, J., Jaćimović, G., & Visković, J. (2018). Effect of crop residue incorporation on the yield of maize in a long-term field experiment. In Book of Abstracts, International conference:

"Improving nutrient use efficiency in agriculture and reducing negative impacts of agriculture on the environment", 22-23.5.2018, Prague, 22.

69. **Latković, D.** S., Crnobarac, J., Jaćimović, G., Visković, J., Aćin, V. A., Šokac, B., & Jošić, D. (2018). Fertilization with increasing amounts of nitrogen, phosphorus and potassium fertilizers and their influence on maize yield. In Book of Abstracts, 15th European Society for Agronomy Congress (ESA), 27-31-8.2018, Geneva, 98.
70. Samardžić, M., Vasin, J. R., Jajić, I., **Latković, D.** S., Andreeva, I., & Vasenev, I. (2018). Impact of Different Agricultural Practices on Soil Organic Matter Content in Chernozems of the Vojvodina region. EGU General Assembly, Geophysical Research Abstracts, Vol. 20, 13902.
71. Prvulović, D., Gvozdenac, S., Kiprovski, B., Ovuka, J., & **Latković, D.** (2018). Biological activity of hemp (Cannabis sativa L.) ethanol extract. In Book of Abstracts, 47th Conference Synthesis and Analysis of Drugs 12-14.09.2018, Brno, 73.
72. Ćirić, V., Belić, M., Nešić, Lj., Milić, D., **Latković, D.**, Mladenović, M., Radovanović, D. (2017). The effects of Dolomite Lime Soil Amendment on Spring Barley Yield Grown on Dystric Cambisol and Vertisol. In Book of Abstracts, 2nd International and 14th National Congress of Soil Science Society of Serbia, 15-28.9.2017, Novi Sad, 38.
73. Crnobarac, J. Ž., Jeromela, A. K. M., Balalić, I. M., **Latković, D.** S., Jaćimović, G. P., & Visković, J. S. (2017). The effect of sowing date and variety on yield and oil content of winter oilseed rape. In Book of Abstracts, 3rd International Symposium for Agriculture and Food—ISAF 2017, 18-20.10.2017, Ohrid, Republic of Macedonia, 133.
74. Jošić, D. L., Iličić, R. M., Pivić, R. N., **Latković, D.** S., & Mijatović, M. (2017). Effectiveness of Pseudomonas chlororaphis in suppression of phytopathogenic fungi in vegetables. In Book of abstracts, 15th Wellmann International Scientific Conference "Towards Sustainable Agriculture: An Interdisciplinary Approach", 3.5.2017, Hódmezővásárhely, Hungary, 49.
75. Jošić, D. L., Zdravković, M. S., Nerandžić, B. P., Stanojković-Sebić, A. B., **Latković, D.** S., Iličić, R. M., & Pivić, R. N. (2017). Single and mixed inoculation of soybean with plant growth promoting bacteria and Bradyrhizobium japonicum. In Book of abstracts, 15th Wellmann International Scientific Conference "Towards Sustainable Agriculture: An Interdisciplinary Approach", 3.5.2017, Hódmezővásárhely, Hungary, 50.
76. **Latković, D.** S., Crnobarac, J. Ž., Jaćimović, G. P., Visković, J. S., & Mladenov, V. N. (2017). Effect of application of Azotobacter and foliar fertilization with Guano on the yield and quality of sweet corn in the organic production system. In Book of Abstracts, 3rd International Conference Agrobiodiversity "Organic Agriculture for Agrobiodiversity Preservation", 1-3.6.2017, Novi Sad, 85.
77. **Latković, D.** S., Crnobarac, J. Ž., Sikora, V. Š., Stojanović, A. S., Kiprovski, B. M., & Gajdobranski, A. A. (2017). Doprinos alternativnih biljaka očuvanju i zaštiti biodiverziteta. In Zbornik radova, 1. naučno-stručni skup "Perspektive očuvanja i zaštite voda", 16.10.2017, Beograd, 29-30.
78. Manojlović, M. S., Čabilovski, R. R., Đurić, S. S., Jafari, T. I. H., Belić, M. Đ., Nešić, L. M., Ćirić, V. I., Savin, L. Đ., Simikić, M. Đ., Konjević, A. M., Popović, A. M., Nikolić, L. M., Džigurski, D. N., Mašić, B. B. L., **Latković, D.** S., Lalošević, V. G., Simin, S. B., Magazin, N. P., Bodroža-Solarov, M. I., Kovačević, D. P. (2017). Organic agriculture: Improvement of production by use of fertilizers, biopreparates and biological measures. In Book of Abstracts, 3rd International Conference Agrobiodiversity "Organic agriculture for agrobiodiversity preservation"
    0,5/(1+0,2(20-7))=0,1
79. Pivić, R. N., Stanojković-Sebić, A. B., Dinić, Z. S., Knežević, M. M., Iličić, R. M., **Latković, D.** S., & Jošić, D. L. (2017). Influence of Pseudomonas spp. and metallurgical slag amendment on macroelements content in radicchio grown on acid soil. In Book of Abstracts, 8th International Scientific Agriculture Symposium "Agrosym 2017", 5-8.10.2017, Jahorina, 421.
80. Stanojković-Sebić, A. B., Pivić, R. N., Dinić, Z. S., Iličić, R. M., **Latković, D.** S., & Jošić, D. L. (2017). Effect of indigenous Pseudomonas sp. and Bacillus sp. strains on yield and main chemical growth parameters of radicchio. In Book of Abstracts, 3rd International Scientific Conference "Organic Agriculture for Agrobiodiversity Preservation", 1-3.6.2017, Novi Sad, 98.
81. Timotijević, M., Gajdobranski, A. A., & **Latković, D.** S. (2017). Konoplja biljka budućnosti. In Zbornik apstrakata, 1. naučno-stručni skup "Perspektive očuvanja i zaštite voda", 16.10.2017, Beograd, 61-62.
82. Samardžić, M., Vasin, J., Jajić, I., Vasenev, I., Andreeva, I., **Latković, D.** (2017). Forest Ecosystems and their Impact on Soil Organic Matter Content on Former Agricultural Locations in Vojvodina Region. In Book of Abstracts, International Conference "Climate Change constrains and opportunities in the Asian

Pacific Region: Human-Biosphere-Atmosphere Interactions and Green Growth", 24-26.10.2017, Vladivostok, Russia, 55.

83. Visković, J. S., Crnobarac, J. Ž., **Latković, D.** S., & Jaćimović, G. P. (2017). Comparison of methods for the valuation of stocks and accessibility of phosphorus and potassium in the soil. In Book of Abstracts, 2nd International and 14th National Congress of Soil Science Society of Serbia: „Solutions and Projections for Sustainable Soil Management" (NSoil2017), 15-28.9.2017, Novi Sad, 28.
84. Vojnov, B., Manojlović, M. S., **Latković, D.** S., Milošev, D. S., Dolijanović, Ž. K., Simić, M. S., Ugrenović, V. M., & Šeremešić, S. I. (2017). Spelt wheat yield and morphological properties across different agroecological conditions of northern Serbia. In Book of Abstracts, 3rd International Conference Agrobiodiversity "Organic agriculture for agrobiodiversity preservation", 1-3.6.2017, Novi Sad, 69.
0,5/(1+0,2(8-7))=0,4
85. Crnobarac, J., Francuski, E., Adamović, D., Jaćimović, G., **Latković, D.** (2016). Camomile ripening, time and method of harvesting. In Book of Abstracts, 9th CMAPSEEC Conference on Medicinal and Aromatic Plants of Southeast European Countries, 26-29.5.2016, Plovdiv, Bulgaria, 29.
86. Konjević, A., Stojšin, V., Budakov, D., Bagi, F., Petrović, M., Popović, A., Ćurčić, Ž., Jaćimović, G., **Latković, D.**, & Crnobarac, J. (2016). Influence of mineral nutrition and cultivar on sugar beet infestation with the root aphid Pemphigus fuscicornis Koch. In Abstracts of papers, 75th IIRB Congress (International Institute for Beet Research), 16-17.2.2016, Brussels, Belgium, 92.
0,5/(1+0,2(10-7))=0,3
87. Mladenov, V., Banjac, B., Dimitrijević, M., Petrović, S., **Latković, D.**, Jaćimović, G., & Bogdanović, S. (2016). Genotype x environment interaction and agronomic performance of winter wheat cultivars grown in semiarid conditions. In 9th International meeting of Plant Breeding, Seed and nursery production, 9-11.11.2016, Sv. Martin na Muri, Hrvatska.
88. Mladenov, V., Banjac, B., Dimitrijević, M., Petrović, S., **Latković, D.**, Jaćimović, G., & D, B. (2016). Interakcija genotip x okolina i agronomska svojstva ozime pšenice uzgajane u semiaridnim uvjetima. In Zbornik sažetaka, 9. Međunarodni kongres „Oplemenjivanje bilja, sjemenarstvo i rasadničarstvo", Sveti Martin na Muri, Hrvatska.
89. Stojšin, V., Budakov, D., Bagi, F., Konjević, A., Ćurčić, Ž., **Latković, D.**, & Crnobarac, J. (2016). Influence of the long-term mineral fertilization and cultivar on sugar beet root rot. In 75th IIRB Congress, 16-17.2.2016, Brussels, Belgium, 78.
90. Crnobarac, J., Marinković, B., Marjanović-Jeromela, A., Balalić, I., Jaćimović, G., & **Latković, D.** (2015). The effect of variety, fertilization and sowing date on overwintering of oilseed rape. In Abstracts, 14th International Rapeseed Congress (IRC2015) „Innovation for Tomorrow", 5-9.7.2015, Saskatoon, Saskatchewan, Canada, 455.
91. Jaćimović, G. P., Aćin, V. A., Hristov, N., Marinković, B., Crnobarac, J. Ž., & **Latković, D.** S. (2015). Mineral nutrition use efficiency of winter wheat depending on the intensity of fertilization. In Book of Abstracts, 6th International Scientific Agricultural Symposium "Agrosym 2015", 15-18.10.2015, Jahorina, 130.
92. **Latković, D.**, B, M., Crnobarac, J., Berenji, J., Sikora, V., & Jaćimović, G. (2015). Long-term effects of incorporation of crop residues and increasing doses of nitrogen on the maize yield. In Book of Abstracts, 6th International Scientific Agricultural Symposium "Agrosym 2015", 15-18.10.2015, Jahorina, Republic of Srpska, Bosnia and Herzegovina, 129.
93. Marinković, B., Crnobarac, J. Ž., Jaćimović, G. P., & **Latković, D.** S. (2015). Sugar beet yield and quality dependence on fertilizing with NPK nutrients. In Book of Abstracts, Scientific Conferences, 3rd Edition, 28-29.5.2015, Timisoara, Romania, 7.
94. Crnobarac, J., Balalić, I., Marinković, B., **Latković, D.**, & Jaćimović, G. (2014). Influence of plant density and planting date on yield and quality of confectionery sunflower. In Book of Abstracts, 13th Congress of the European Society for Agronomy (13th ESA Congress), 25-29.8.2014, Debrecen, Hungary, 121-122.
95. Crnobarac, J., Balalić, I., Marinković, B., Jaćimović, G., & **Latković, D.** (2014). Influence of stand density on yield and quality of NS sunflower confectionary hybrids. In Book of Abstracts, 8th International Symposium "Trends in the European Agriculture Development", 29-30.5.2014, Timisoara, Romania, 8.
96. Jaćimović, G., B, M., Crnobarac, J., Aćin, V., & **Latković, D.** (2014). Effects of the year and the rate of nitrogen fertilization on wheat production in Serbia. In Book of Abstracts, 13th Congress of the European Society for Agronomy (13th ESA Congress), 25-29.8.2014, Debrecen, Hungary, 57-58.
97. Marinković, B., Crnobarac, J., Jaćimović, G., **Latković, D.**, & Marinković, D. (2014). Influence of required time for emergence on growth and yield of sugar beet. In Book of Abstracts, 8th International Symposium "Trends in the European Agriculture Development", 29-30.5.2014, Timisoara, 13-14.

98. Mladenov, V., Banjac, B., Boćanski, J., **Latković, D.**, & Jocković, B. (2014). Stability of agronomic traits in bread wheat (Triticum aestivum L.) via AMMI model. In The Book of Abstracts, 5th CASEE Conference „Healthy Food Production and Environmental Preservation – The Role of Agriculture, Forestry and Applied Biology“, 25-27.5.2014, Novi Sad.
99. Berenji, J., & **Latković, D.** (2013). The role and characteristics of plant cultivar and certified seed in organic agriculture. In Book of Abstracts, 4th International Symposium “Agrosym 2013”, 3-6.10.2013, Jahorina, 173.
100. Berenji, J., & Sikora, V., **Latković, D.** (2013). The role and significance of alternative crops in Development of sustainable farming model for the viable country life. In Book of Abstracts, 7th International Symposium “Trends in the European Agriculture Development”, 30-31.5.2013, Timisoara, Romania, 57.
101. Bogdanović, D., **Latković, D.**, Berenji, J., & Manojlović, M. (2013). Influence of Foliar Application of Guano on Grain Yield of Different Corn Hybrids in Organic Production. In Book of Abstracts, 4th International Symposium “Agrosym 2013”, 3-6.10.2013, Jahorina, 166.
102. Jaćimović, G., Malešević, M., Aćin, V., Marinković, B., Crnobarac, J., **Latković, D.**, Lalić, B., & Pejić, B. (2013). Effects of drought on yield of winter wheat in long-term field trial and Vojvodina Province. In Book of Abstracts, 7th International Symposium “Trends in the European Agriculture Development”, 30-31.5.2013, Timisoara, Romania, 35-36.
0,5/(1+0,2(8-7))=0,4
103. Hajnal-Jafari, T., **Latković, D.**, Đurić, S., Mrkovački, N., Najdenovska, O. (2012). The use of Azotobacter in Organic Maize Production. In Book of Abstracts, International Symposium “Trends in the European Agriculture Development”, 17-18.5.2012, Timisoara, Romania, 53.
104. Marinković, B., Crnobarac, J., Jaćimović, G., **Latković, D.**, Marinković, D., & Radivojević, S. (2012). Effect of nitrogen fertilizer on root yield and technological quality of sugar beet. In Abstract Book, 6th Central European Congress on Food (CEFood 2012), 23-26.5.2012, Novi Sad, Serbia, 325.
105. Lalić, B., J, E., Mihailović, D., S, T., P, N., V, K., V, V., Jaćimović, G., **Latković, D.**, L, S., B, C., A, S., & H, E. (2011). Using results of modelled yield deviation and indices of weather extremes towards a better yield assessment – current state of research. In Book of Abstracts, International Conference on current knowledge of Climate Change Impacts on Agriculture and Forestry in Europe (WMO - COST Action 734 Final Conference), 3-6.5.2011, Topol’čianky, Slovakia, 47-48
0,5/(1+0,2(12-7))=0,3

M42 Монографија националног значаја

106. Manojlović, M., Belić, M., Nešić, Lj., Ćirić, V., Čabilovski, R., Hajnal-Jafari, T., Stamenov, D., Nikolić, Lj., Ljevnaić-Mašić, B., Ilić, Z. S., Milenković, L., Džigurski, D., Konjević, A., Popović, A., **Latković, D.**, Magazin, N., Ivanišević, D., Lalošević, V., Simin, S., & Košutić, M. (2022). Organska poljoprivreda — Unapređenje proizvodnje primenom đubriva, biopreparata i bioloških mera. Novi Sad : Poljoprivredni fakultet https://enauka.gov.rs/handle/123456789/872327
107. Bavec, F., Berényi, J., Bojić, S., Bulajić, A., Dimić, E., Kereši, T., Krstić, B., **Latković, D.**, Martinov, M., Sekulić, R., Sikora, V., Veselinov, B., & Vujasinović, V. (2011). Uljana tikva = Cucurbita pepo L. : monografija. Novi Sad : Institut za ratarstvo i povrtarstvo. https://enauka.gov.rs/handle/123456789/702759
108. Marinković, B., Crnobarac, J., Malešević, M., Jaćimović, G., Marinković, D., **Latković, D.** (2011). Racionalna upotreba đubriva u ratarskoj proizvodnji – priručnik. Novi Sad : Poljoprivredni fakultet. https://enauka.gov.rs/handle/123456789/637913

M45 Поглавље у монографији M42 или рад у тематском зборнику националног значаја или тематска целина у водичу добре клиничке праксе

109. Gajdobranski, A., **Latković, D.**, & Krmpot, V. (2018). Biofuels in Serbia — Production and basic Costs. In Izazovi zelene ekonomije. Beograd : Fakultet za poslovne studije i pravo Univerziteta "Union - Nikola Tesla" str. 173-184. https://enauka.gov.rs/handle/123456789/639223

M51 Рад у водећем националном часопису категорије M51

110. Đukić, V., Miladinović, J., Mamlić, Z., Đorđević, V., **Latković, D.**, Ćeran, M., Bajagić, M. (2024). Povećanje prinosa soje primenom vodenih ekstrakata biljnog materijala. Zemljište i biljka, 73(2): 29-37. https://doi.org/10.5937/ZemBilj2402029D
111. Vojnov, B., Manojlović, M., **Latković, D.**, Milošev, D., Dolijanović, Ž., Simić, M., Babec, B., & Šeremešić, S. (2020). Grain yield, yield components and protein content of organic spelt wheat (Triticum

spelta L.) grown in different agro-ecological conditions of northern Serbia. In Ratarstvo i povrtarstvo, 57(1): 1-7. https://doi.org/10.5937/ratpov57-23867
2/(1+0,2(8-7))=1,7

112. Jaćimović, G. P., Aćin, V. A., Crnobarac, J., **Latković, D.**, Visković, J., Mirosavljević, M. M., & Brbaklić, L. S. (2018). Sortna specifičnost mineralne ishrane i efikasnosti NPK hraniva u formiranju prinosa ozime pšenice. In Letopis naučnih radova, 42(2): 9-20. https://enauka.gov.rs/handle/123456789/237695
113. Stanojković-Sebić, A., Pivić, R., Dinić, Z., Iličić, R., **Latković, D.**, Jošić, D. (2018). Effect of Indigenous Pseudomonas sp. And Bacillus sp. Strains on Yield and Main Chemical Growth Parameters of Radicchio. Contemporary Agriculture, 67(1): 20-26.
114. Šeremešić, S. I., Manojlović, M., Milošev, D., **Latković, D.**, Vasiljević, M., Sikora, V., & Vojnov, B. (2018). Uticaj folijarne primene različitih vrsta đubriva na prinos i komponente prinosa ozime pšenice (Triticum aestivum L.) u organskom sistemu proizvodnje. In Letopis naučnih radova, 42(1): 1-8. https://enauka.gov.rs/handle/123456789/149297
115. Mladenov, V., Banjac, B., Dimitrijević, M., Petrović, S., **Latković, D.**, Jocković, B., & Bogdanović, S. (2016). Variability of seed parameters in bread wheat cultivars. In Journal on Processing and Energy in Agriculture, 20(1): 33-35. https://enauka.gov.rs/handle/123456789/433135
116. Mladenov, V., Banjac, B., Dimitrijević, M., **Latković, D.**, & Jocković, B. (2016). Phenotypic analysis of agronomic traits in bread wheat. In Savremena poljoprivreda, 65(3-4): 32-38. https://doi.org/10.1515/contagri-2016-0015
117. Filipčev, B., Bodroža, M., Berenji, J., **Latković, D.**, & Šimurina, O. (2013). Evaluation of physicochemical, rheological and thermo-mechanical properties in various cultivars of common buckwheat (Fagopyrum esculentum Moench). In Journal on Processing and Energy in Agriculture, 7(3): 120-123. https://enauka.gov.rs/handle/123456789/389878
118. Pejić, B., Jaćimović, G., **Latković, D.**, Bosnjak, D., Marinkovic, B., & Mačkić, K. (2011). Aridity index as a useful tool for describing impacts of precipitation and temperature regime on maize yield in Vojvodina. In Ratarstvo i povrtarstvo, 48(1): 195-202. https://doi.org/10.5937/ratpov1101195p
119. Sikora, V., Berenji, J., & **Latković, D.** (2011). Variability and interrelation of yield components in fiber hemp. In Ratarstvo i povrtarstvo, 48(1): 107-112. https://doi.org/10.5937/ratpov1101107S

M52 Рад у националном часопису категорије М52

120. Popović, D., Popović, V., **Latković, D.**, Jeremić, D., & Bošković, J. (2024). Sunflower production and eco-marketing application. In Ekonomija—Teorija i praksa, 17: 35-50. https://doi.org/10.5937/etp243-2035P
121. **Latković, D.**, Crnobarac, J., Jaćimović, G., Visković, J., & Dunđerski, D. (2019). The importance of harvest residues in corn production. In Zemljiste i biljka, 68(2): 33-43. https://doi.org/10.5937/zembilj19020331
122. Visković, J., Crnobarac, J. Ž., **Latković, D.**, & Jaćimović, G. (2018). Hemijske osobine zemljišta u zavisnosti od đubrenja različitim količinama NPK hraniva. In Zemljište i biljka, 66(2): 23-28. https://enauka.gov.rs/handle/123456789/486572
123. Aćin, V. A., Jaćimović, G. P., Mirosavljević, M. M., Jocković, B. Đ., Crnobarac, J. Ž., **Latković, D. S.**, & Visković, J. S. (2017). Rokovi i gustine setve u funkciji prinosa ozime pšenice u proizvodnoj 2016/17. godini. In Letopis naučnih radova, 41(2): 1-11. https://enauka.gov.rs/handle/123456789/446853
124. Jaćimović, G. P., Aćin, V. A., Crnobarac, J. Ž., **Latković, D. S.**, & Manojlović, M. S. (2017). Efekti zaoravanja žetvenih ostataka na prinos pšenice u dugotrajnom poljskom ogledu. In Letopis naučnih radova, 41(1): 1-8. https://enauka.gov.rs/handle/123456789/354143
125. Jaćimović, G., Aćin, V., Crnobarac, J., & **Latković, D.** (2016). Biološke i agroekološke osnove proizvodnje pšenice. In Biljni lekar, 44(5-6): 391-408. https://enauka.gov.rs/handle/123456789/444635
126. Jaćimović, G., Aćin, V., Crnobarac, J., & **Latković, D.** (2016). Efikasnost hraniva u formiranju prinosa pšenice. In Letopis naučnih radova, 40(1): 40-46. https://enauka.gov.rs/handle/123456789/278685
127. **Latković, D.**, B, M., Jaćimović, G., & Crnobarac, J. (2014). Biološke i agrotehničke osnove proizvodnje kukuruza. In Biljni lekar, 42(2-3): 109-125. https://enauka.gov.rs/handle/123456789/270515
128. Bogdanović, D., **Latković, D.**, Manojlović, M., & Barać, R. (2013). Zavisnost prinosa hibrida kukuruza od primene organskog đubriva guana i biofertilizatora. In Letopis naučnih radova Poljoprivrednog fakulteta, Novi Sad, 37(1): 110-119. https://enauka.gov.rs/handle/123456789/345158
129. Jaćimović, G., Aćin, V., Hristov, N., **Latković, D.**, Marinković, B., Crnobarac, J., & Lalić, B. (2013). Uticaj rokova, sorte i gustine setve na prinos zrna pšenice u 2010/11. godini. In Letopis naučnih radova Poljoprivrednog fakulteta, 37(1): 128-137. https://enauka.gov.rs/handle/123456789/270565

130. Jaćimović, G., Malešević, M., Aćin, V., Hristov, N., Marinković, B., Crnobarac, J., & **Latković, D.** (2012). Komponente prinosa i prinos ozime pšenice u zavisnosti od nivoa đubrenja azotom, fosforom i kalijumom. In Letopis naučnih radova Poljoprivrednog fakulteta, 36(1): 72-80. https://enauka.gov.rs/handle/123456789/171103
131. **Latković, D.**, Bogdanović, D., Berenji, J., Sikora, V., & Manojlović, M. (2012). Preliminarni rezultati analize sadržaja šećera kukuruza šećerca gajenog u sistemu organske proizvodnje. In Letopis naučnih radova Poljoprivrednog fakulteta, 36(1): 90-95. https://enauka.gov.rs/handle/123456789/336163
132. Nikolić, L., Milošev, D., Šeremešić, S., **Latković, D.**, & Červenski, J. (2012). Diverzitet korovske flore u konvencionalnoj i organskoj poljoprivredi. In Acta herbologica, 21(1): 13-20. https://enauka.gov.rs/handle/123456789/473241
133. Bodroža-Solarov, M., **Latković, D.**, Berenji, J., Brlek, T., Nićin, S., & Vučković, J. (2011). Application of principal component analysis in assessment of mineral content of some cultivars of buckwheat grain. In Food and Feed Research, 38(2): 69-74. https://enauka.gov.rs/handle/123456789/556908
134. Jaćimović, G., Malešević, M., Aćin, V., Marinković, B., Crnobarac, J., **Latković, D.**, Bogdanović, D., & Pejić, B. (2011). Efikasnost mineralne ishrane pšenice u zavisnosti od intenziteta đubrenja. In Letopis naučnih radova Poljoprivrednog fakulteta, 35(1): 75-86. https://enauka.gov.rs/handle/123456789/393298
1,5/(1+0,2(8-7))=1,3

M53 Рад у националном часопису категорије М53

135. Đukić, V., Miladinović, J., Dozet, G., Mamlić, Z., Kandelinska, O., Ranđelović, P., & **Latković, D.** (2023). Interakcija amonijum nitrata na kvalitet zrna soje pri jesenjoj i prolećnoj obradi zemljišta. In Uljarstvo, 54(1): 47-53. https://enauka.gov.rs/handle/123456789/901588
136. Ždero-Pavlović, R., Blagojević, B., **Latković, D.**, Agić, D., Mićić, N., Štajner, D. and Popović, B.M. (2020): Drought-induced changes in the antioxidant system and osmolyte content of poplar cuttings. Baltic Forestry 26(2): 420. https://doi.org/10.46490/BF420
137. Gajdobranski, A., **Latković, D.**, & Janković, M. (2018). Calculation of the price of cereals on small and medium-sized farms in Vojvodina. In International Journal of Economics and Law, 8(23): 89-103. https://enauka.gov.rs/handle/123456789/720727
138. Gajdobranski, A., **Latković, D.**, & Krmpot, V. (2017). Significance of accounting data for medium sized agricultural farm in the increase of profitability of business. In International Journal of Economics and Law, 7(21): 9-21. https://enauka.gov.rs/handle/123456789/622837
139. Iličić, R. M., Pivić, R. N., Dinić, Z. S., **Latković, D.** S., Vlajić, S. A., Jošić, D. Lj. (2017). The Enhancement of Soybean Growth and Yield in a Field Trial through Introduction of Mixtures of Bradyrhizobium japonicum, Bacillus sp. and Pseudomonas chlororaphis. Notulae Scientia Biologicae, 9(2): 274-279. https://doi.org/10.15835/nsb9210081
140. Adamović, D., Francuski, E., Jaćimović, G., **Latković, D.**, Marinković, B., & Crnobarac, J. (2015). The influence of method and time of harvest on chamomile. In Acta Facultatis Pharmaceuticae Universitatis Comenianae.
141. Marinković, B., Crnobarac, J., Jaćimović, G., **Latković, D.**, Marinković, D., Mirkov, D.V., Petrovič, Č.A. (2015): Sugar beet yield and quality dependence on fertilizing with NPK nutrients. Research Journal of Agricultural Science, 47(1), 90-95.
142. Berenji, J., Sikora, V., **Latković, D.** (2013): Uticaj vremena setve na performanse običnog prosa (Panicum miliaceum L.). Bilten za alternativne biljne vrste, 45(86): 40–47.
143. Nikolić, Lj., **Latković, D.**, Berenji, J., Sikora, V. (2012). Weed flora in organic maize production conditions. Herbologia, 13(2): 41-49.

M61 Пленарно или уводно предавање по позиву са скупа националног значаја штампано у целини

144. **Latković, D.** S., Gajdobranski, A. A., & Krmpot, V. B. (2017). Gajenje uljarica u Srbiji, izvoz i uslovi za povećanje proizvodnje. In Zbornik radova, 58. Savetovanje sa međunarodnim učešćem "Proizvodnja i prerada uljarica", 18-23.6.2017, Herceg Novi, 15-28. Prebaci u M61!!!! U celini

M63 Саопштење са скупа националног значаја штампано у целини

145. Đukić, V., Miladinović, J., Stojanović, D., Đorđević, V., **Latković, D.**, Ranđelović, P., Mamlić, Z. (2024): Kvalitet novopriznatih NS sorti soje u 2024. godini. In Zbornik radova, 65. Savetovanje industrije ulja „Proizvodnja i prerada uljarica" sa međunarodnim učešćem, 23-28.6.2024, Herceg Novi, 42-49.
146. Đukić, V., Miladinović, J., Mamlić, Z., Ćeran, M., **Latković, D.**, Đorđević, V., Cvijanović, V. (2024): Uticaj lokaliteta gajenja na prinos i kvalitet zrna soje u 2023. godini. In Zbornik radova, 65. Savetovanje

industrije ulja „Proizvodnja i prerada uljarica" sa međunarodnim učešćem, 23-28.6.2024, Herceg Novi, 57-63.

147. Đukić, V., Miladinović, J., Stojanović, D., Đorđević, V., **Latković, D.**, Ranđelović, P., & Mamlić, Z. (2024). Quality newly released NS varieties soybean in 2024. In Zbornik radova, 65. Savetovanje industrije ulja Proizvodnja i prerada uljarica, Herceg Novi, 23-28. Jun 2024.
148. Đukić, V., Mamlić, Z., Miladinović, J., Ćeran, M., **Latković, D.**, Đorđević, V., & Cvijanović, V. (2024). Influence of cultivation location on yield and quality of soybean in 2023. In Zbornik radova, 65. Savetovanje industrije ulja Proizvodnja i prerada uljarica, Herceg Novi, 23-28. Jun 2024.
149. Bekavac, G., Purar, B., Malidža, G., Franeta, F., **Latković, D.**, & Šumaruna, M. (2023). Kukuruz 2022—Problemi i rešenja. In Zbornik referata, 57. Savetovanje agronoma i poljoprivrednika Srbije (SAPS) i 3. Savetovanje agronoma Republike Srbije i Republike Srpske, Zlatibor, 30. Januar—3. Februar 2023.
150. Miladinović, J., **Latković, D.**, & Mirosavljević, M. (2023). Institute of Field and Vegetable Crops: Path from the agricultural experimental and control station to the national institute of the Republic of Serbia. In Zbornik radova, 125 godina primenjene nauke u poljoprivredi Srbije, Kragujevac, 22. Jun 2023.
151. Đukić, V., Akrim, N., Dozet, G., Miladinović, J., **Latković, D.**, Mamlić, Z. M., & Kandelinskaja, O. (2023). Uticaj amonijum nitrata na kvalitet zrna soje. In Zbornik radova, 64. Savetovanje "Proizvodnja i prerada uljarica" sa međunarodnim učešćem, 25-30.6.2023, Herceg Novi, 93-99.
152. Marjanović-Jeromela, A., Miladinović, J., **Latković, D.**, Pejanović, R., Zeremski, T., Miladinović, D., & Kondić-Špika, A. (2022). Institut za ratarstvo i povrtarstvo – dobar primer transfera znanja za potrebe savremene poljoprivrede. In Zbornik radova, 28. Trendovi razvoja "Univerzitetsko obrazovanje za privredu", 14-17.2.2022, Kopaonik, 107-109.
153. Jaćimović, G. P., Aćin, V. A., Crnobarac, J., **Latković, D.** S., & Visković, J. S. (2018). Uticaj dugogodišnjeg izostavljanja hraniva na komponente prinosa i prinos ozime pšenice. In Zbornik radova, 23. savetovanje o biotehnologiji sa međunarodnim učešćem, 9-10.3.2018, Čačak, 51-56.
154. Prvulović, D. M., Medić-Pap, S. S., Danojević, D. Đ., Živanov, S. L. T., & **Latković, D.** (2018). Sadržaj polifenola i antioksidativni kapacitet ekstrakata listova paradajza zaraženih plamenjačom. In Zbornik radova, 23. savetovanje o biotehnologiji sa međunarodnim učešćem, 9-10. Mart 2018. Čačak.
155. Visković, J. S., Crnobarac, J., **Latković, D.**, Jaćimović, G. P., & Aćin, V. A. (2018). Hemijski sastav zrna i slame pšenice gajene pri različitim količinama NPK hraniva. In Zbornik radova, 23. savetovanje o biotehnologiji sa međunarodnim učešćem, 9-10.3.2018, Čačak, 102-106.
156. Crnobarac, J., Balalić, I., Dušanić, N., Jaćimović, G., & **Latković, D.** (2016). The effect of stand density on confectionary sunflower seed quality. In Book of Proceedings, 7th International Scientific Agriculture Symposium "Agrosym 2016", Jahorina, Republic of Srpska, Bosnia and Herzegovina.
157. Crnobarac, J., Marinković, B., **Latković, D.**, Jaćimović, G., & Đukić, V. (2015). Put do većih prinosa u proizvodnji soje. In Tematski zbornik radova. Naučno-stručno savetovanje „Dobar dan domaćine", Novi Sad.
158. Jaćimović, G., Marinković, B., **Latković, D.**, Crnobarac, J., & Aćin, V. (2015). Krizne tačke u proizvodnji pšenice. In Tematski zbornik radova, Naučno-stručno savetovanje „Dobar dan domaćine", Novi Sad.
159. Crnobarac, J., Marinković, B., **Latković, D.**, Jaćimović, G., & Đukić, V. (2014). Kritične tačke u tehnologiji proizvodnje soje. In Tematski zbornik radova, Naučno-stručno savetovanje „Dobar dan domaćine", 23.1.2014, Novi Sad, 13-18.
160. Jaćimović, G., Šeremešić, S., **Latković, D.**, Marinković, B., & Crnobarac, J. (2014). Za i protiv redukovane obrade zemljišta. In Tematski zbornik radova, Naučno-stručno savetovanje „Dobar dan domaćine", 23.1.2014, Novi Sad, 19-22.
161. Malešević, M., Jaćimović, G., Aćin, V., & **Latković, D.** (2014). Sortna tehnologija prema kvalitetnim grupama pšenice. In Tematski zbornik radova, Naučno-stručno savetovanje „Dobar dan domaćine", 23.1.2014, Novi Sad, 5-11.
162. Crnobarac, J. Ž., Marinković, B., **Latković, D.** S., & Jaćimović, G. P. (2013). Razvoj biljke i formiranje prinosa kod soje. In Tematski zbornik Naučno-stručnog savetovanja „Poruke minule godine i nova setva", Novi Sad.
163. Filipčev, B., Bodroža, M., Berenji, J., **Latković, D.**, & Šimurina, O. (2013). Characterization of cultivars of common buckwheat regarding their chemical composition, rheological properties and thermo-mechanical behaviour. In Proceedings of the 3rd International Conference "Sustainable Postharvest and Food Technologies – INOPTEP 2013" and 25th National Conference "Processing and Energy in Agriculture – PTEP 2013."

164. **Latković, D.**, & M, J. (2013). Uticaj primene folijarnog đubrenja na prinos i kvalitet kukuruza šećerca gajenog u sistemu organske proizvodnje. In 37. Smotra naučnih radova studenata poljoprivredne i veterinarske medicine sa međunarodnim učešćem.
165. **Latković, D.**, Marinković, B., Jaćimović, G., & Crnobarac, J. (2013). Uticaj roka i gustine setve na visinu prinosa kukuruza. In Tematski zbornik Naučno-stručnog savetovanja „Poruke minule godine i nova setva“, Novi Sad.
166. Malešević, M., Jaćimović, G., Aćin, V., Marinković, B., Crnobarac, J., & **Latković, D.** (2013). Stanje nitrata i vlage u zemljištu, prihrana i nega strnih žita. In Tematski zbornik Naučno-stručnog savetovanja „Poruke minule godine i nova setva“, Novi Sad.
167. Marinković, B., Crnobarac, J. Ž., Jaćimović, G. P., Marinković, D., **Latković, D.** S., Marinković, J. B., & Vasiљev, K. (2013). Uloga zimskih padavina u rasporedu mineralnog azota po profilu zemljišta i njihov uticaj na prinos šećerne repe. In Zbornik radova. I Međunarodna naučno stručna konferencija „Ekologija u službi održivog razvoja“, Novi Sad, Fruška Gora—Andrevlje.
168. Marinković, B., Crnobarac, J. Ž., **Latković, D.** S., Vasiљčenko, A., Petrovič, A. Č., & Jaćimović, G. P. (2013). Suša i proizvodni rezultati u 2012. godini. In Tematski zbornik Naučno-stručnog savetovanja „Poruke minule godine i nova setva“, Novi Sad.
169. Marinković, B., Jaćimović, G. P., Crnobarac, J. Ž., **Latković, D.** S., & Vasiљev, K. (2013). Setva šećerne repe u 2013. godini. In Tematski zbornik Naučno-stručnog savetovanja „Poruke minule godine i nova setva“, Novi Sad.
170. Branko, M., Crnobarac, J., **Latković, D.**, & Jaćimović, G. (2012). Tehnologijom gajenja NS hibrida kukuruza do optimalnih i/ili rekordnih prinosa. In Zbornik referata. 46. Savetovanje agronoma Srbije, 29.01-04.02.2012, Zlatibor, 239-255.
171. Malešević, M., Jaćimović, G., Aćin, V., Marinković, B., Crnobarac, J., & **Latković, D.** (2012). Prilog proučavanju sortne specifičnosti mineralne ishrane pšenice. In Zbornik referata, 46. Savetovanje agronoma Srbije, 29.01-04.02.2012, Zlatibor, 57-70.
172. Malešević, M., Jaćimović, G., Aćin, V., Marinković, B., **Latković, D.**, & Crnobarac, J. (2012). Može li suša iz 2011. ugroziti biljnu proizvodnju u 2012. godini? In Zbornik referata. 46. Savetovanje agronoma Srbije, 29.01-04.02.2012, Zlatibor, 373-379.

M64 Саопштење са скупа националног значаја штампано у изводу

173. Đalović, I., Dunđerski, D., **Latković, D.**, & Katanski, S. (2024). Optimizacija gustine setve—Važan činilac u savremenoj proizvodnji kukuruza. In Zbornik apstrakata, 15. Simpozijum o krmnom bilju Republike Srbije ”Proizvodnja krmnog bilja: Izazovi i perspektive u 21. veku”, 26-27. Septembar 2024, Kruševac, Srbija.
174. Đukić, V., Mamlić, Z., Miladinović, J., **Latković, D.**, Libuška, F., Cvijanović, G., & Dozet, G. (2024). Influence of foliar application of aqueous extracts from plant material on soybean yield. In Zbornik izvoda, Biotehnologija i savremeni pristup u gajenju i oplemenjivanju bilja, Smederevska Palanka, 6. Novembar 2024.
175. Aćimović, M., Sikora, V., & **Latković, D.** (2023). Chemical composition and biological activity of essential oils and hydrolates of hops. In Zbornik apstrakata, 6. Naučno-stručni simpozijum sa međunarodnim učešćem “Pivo, pivarske sirovine i oprema”, Zrenjanin, 25-27.10.2023.
176. Jaćimović, G., Aćin, V., Mirosavljević, M., Crnobarac, J., **Latković, D.**, Visković, J., Brbaklić, Lj. (2019): Prilog proučavanju sortne specifičnosti pri đubrenju pšenice azotom. In Knjiga apstrakata, Simpozijum Srpskog društva za proučavanje zemljišta: „Zemljište—Osnovno prirodno dobro—Ugroženost i opasnosti“, 19-21.6.2019, Goč, 24.
177. **Latković, D.** S., Crnobarac, J. Ž., Jaćimović, G. P., Visković, J., & Dunđerski, D. (2019). The importance of harvest residues in corn production. In Knjiga apstrakata, Simpozijum Srpskog društva za proučavanje zemljišta: „Zemljište—Osnovno prirodno dobro—Ugroženost i opasnosti“, 19-21.6.2019, Goč, 32.
178. Jaćimović, G. P., Aćin, V. A., Mirosavljević, M. M., Crnobarac, J. Ž., & **Latković, D.** S. (2017). Long-term effects of straw incorporation and nitrogen on wheat yield. In Book of Abstracts, International Conference „Soil organic matter and its impact on soil qualiy and production“, Novi Sad, Serbia.
179. Kiprovski, B., Brdar-Jokanović, M. D., Stojanović, A. S., Sikora, V. Š., Malenčić, Đ., & **Latković, D.** S. (2016). Antioksidantni kapacitet sorti heljde / Antioxidant capacity of buckwheat cultivars. In 5, simpozijum Sekcije za oplemenjivanje organizama Društva genetičara Srbije.
180. Banjac, B., Dimitrijević, M., Jocković, B., Petrović, S., Mladenov, V., **Latković, D.**, & Sandra, B. (2016). Varijabilnost semenskih parametara sorti hlebne pšenice. In Zbornik izvoda, 28. nacionalna

konferencija sa međunarodnim učešćem Procesna tehnika i energetika u poljoprivredi - PTEP 2016, 17-22. april 2016, Borsko jezero.

181. Budakov, D. B., Stojšin, V. B., Ćurčić, Ž. P., Jaćimović, G. P., Bagi, F. F., **Latković, D.** S., & Crnobarac, J. Ž. (2015). Pegavost lišća šećerne repe (Cercospora beticola) u uslovima različite mineralne ishrane. In Zbornik rezimea radova, 13. Savetovanje o zaštiti bilja, Zlatibor.
182. Jaćimović, G., Crnobarac, J., Marinković, B., **Latković, D.**, & T, Z. (2015). Prinos cvasti nevena u zavisnosti od đubrenja azotom. In Izvodi radova. 22. Naučnostručni skup „Proizvodnja i plasman lekovitog, začinskog i aromatičnog bilja“, Bački Petrovac.
183. **Latković, D.** S., Crnobarac, J. Ž., Marinković, B., Mircov, D., & Jaćimović, G. P. (2015). Uticaj đubrenja na prinos i kvalitet šećerne repe. In Knjiga izvoda iz saopštenja. Osmi naučno-stručni skup InterRegioSci 2015, Novi Sad.
184. Vuković, S. M., Inđić, D., Crnobarac, J. Ž., **Latković, D.** S., & Jaćimović, G. P. (2015). Zaštita kukuruza od Ostrinia nubilalis Hbn. I Helicoverpa armigera Hbn. In Knjiga izvoda iz saopštenja. 8. naučno-stručni skup InterRegioSci 2015, Novi Sad.
185. Crnobarac, J., Marinković, B., Vuković, S., D, B., **Latković, D.**, Jaćimović, G., & Inđić, D. (2014). Racionalna upotreba đubriva i pesticida u funkciji zaštite agroekosistema, kvaliteta i ekonomičnosti ratarske proizvodnje na osnovu višegodišnjih ogleda. In Izvodi rezultata istraživanja projekata, Sedmi naučno-stručni skup InterRegioSci 2014, Novi Sad.
186. Jaćimović, G., Crnobarac, J., Marinković, B., **Latković, D.**, & Aćin, V. (2014). Đubrenje pšenice azotom u ekstremno vlažnim godinama. In Knjiga izvoda iz saopštenja, 7. naučno-stručni skup InterRegioSci 2014, Novi Sad.
187. Crnobarac, J. Ž., Marinković, B., Vuković, S. M., Bogdanović, D., **Latković, D.** S., Jaćimović, G. P., & Inđić, D. (2013). Racionalna upotreba đubriva i pesticida u funkciji zaštite agroekosistema, kvaliteta i ekonomičnosti ratarske proizvodnje na osnovu višegodišnjih ogleda. In Izvodi rezultata istraživanja projekata, 6. naučno-stručni skup InterRegioSci 2013, 8.5.2013, Novi Sad, 26-27.
188. Marinković, B., Crnobarac, J. Ž., Bogdanović, D., **Latković, D.** S., & Jaćimović, G. P. (2013). Određivanje optimalnih količina azota za đubrenje šećerne repe i kukuruza. In Knjiga izvoda iz saopštenja, 6. naučno-stručni skup InterRegioSci 2013, 8-5-2013, Novi Sad 18.
189. Crnobarac, J., Marinković, B., Jaćimović, G., **Latković, D.**, & Mrđa, J. (2012). Ocena stabilnosti prinosa svežih cvasti sorti nevena. In Izvodi radova sa 19. Naučnostručnog skupa „Proizvodnja i plasman lekovitog, začinskog i aromatičnog bilja“, 28.9.2012, B. Petrovac, 7.
190. Jaćimović, G., Crnobarac, J., Marinković, B., & **Latković, D.** (2011). Prinos, morfološka svojstva i sadržaj etarskog ulja sorti bosiljka gajenih pri različitom nivou đubrenja azotom. In Izvodi radova, 18. Naučnostručni skup „Proizvodnja i plasman lekovitog, začinskog i aromatičnog bilja“, 30.9.2011. Bački Petrovac, 4.
191. Marinković, B., Crnobarac, J., Jaćimović, G., & **Latković, D.** (2011). Genetska specifičnost mineralne ishrane šećerne repe. In Zbornik abstrakata, 4. simpozijum sekcije za oplemenjivanje organizama, 2-6.10.2011, Kladovo 54.
192. Sikora, V., Berenji, J., & **Latković, D.** (2011). Uticaj ekoloških faktora na kvalitet metlice sirka metlaša (Sorghum bicolor) L. (Moench). In Zbornik abstrakata, 4. Simpozijum sekcije za oplemenjivanje organizama, 2-6-10-2011, Kladovo, 56.

M82 Ново техничко решење примењено на националном нивоу

193. Iličić, R., **Latković, D.**, Blagojević, M. Đ., & Jošić, D. (2022). Poboljšanje komponenti prinosa soje primenom autohtonih bakterija—Simbionata bradyrhizobium SP. i PGP pseudomonas chlororaphis. https://enauka.gov.rs/handle/123456789/862588

M98 Призната сорта, раса или соја у Републици Србији

194. Miladinović, J., Đorđević, V., Đukić, V., & **Latković, D.** (2023). NS Demetrius, sorta soje priznata u Republici Srbiji rešenjem br. 320-04-3337/2/2021-11. https://hdl.handle.net/21.15107/rcub_fiver_3640
195. Đorđević, V., Miladinović, J., & **Latković, D.** (2023). NS Ecob, sorta soje priznata u Republici Srbiji rešenjem br. 320-04-3335/2/2021-11. https://hdl.handle.net/21.15107/rcub_fiver_3638

5.2. БИБЛИОГРАФИЈА РАДОВА ПРЕ ОЦЕЊИВАНОГ ПЕРИОДА

M23 Рад у међународном часопису категорије M23

196. Starčević, Lj., **Latković, D.**, Malešević, M. (2005): Dependence of corn yield on weather conditions and nitrogen fertilization in IOSDV Novi Sad. Archives of Agronomy and Soil Science, 51(5): 513-522. https://doi.org/10.1080/03650340500184061
197. Starčević, Lj., **Latković, D.**, Crnobarac, J., Marinković, B. (2002). A permanent trial with organic and mineral fertilizers in monoculture and two-crop rotation as a basis of sustainable maize production. Archives of Agronomy and Soil Science, 48(6): 557-563. https://doi.org/10.1080/0365034021000071846

M24 Рад у водећем националном часопису категорије М24

198. Sikora, V., Berenji, J., & **Latković, D.** (2010). Yield component analysis and diversity in Jerusalem artichoke (Helianthus tuberosus L.). In Helia, 33(53): 37-43. https://doi.org/10.2298/HEL1053037S

M33 Саопштење са међународног скупа штампано у целини

199. Marinković, B., Crnobarac, J., Jaćimović, G., **Latković, D.**, & Marinković, D. (2007). Effect of fertilizing systems on sugar beet yield and quality. International Symposium "Trends in European Agriculture Development", 24-25.5.2007, Timişoara, Scientifical papers 39, part I, 3-6.
200. Starčević, Lj., **Latković, D.** (2006). Effects of microbial fertilizer BactoFil-A and mineral nitrogen fertilizer on corn Yield. In Zbornik radova simpozija New challenges in field crop production, Rogaška Slatina, 118-122.
201. Marinković, B., Starčević, Lj., Crnobarac, J., Jaćimović, G., Janković, S., **Latković, D.** (2003). The yield and quality of sugar beet root depending on the quantity and the position of easily approachable N. In Proceedings, Practical solutions for managing optimum C and N content in agricultural soils. CZU, 25-27.6.2003, Prague, 138-143.
202. Starčević, Lj., Marinković, B., **Latković, D.** (1998). Missing places as a limiting factor of maize yield. In Proceedings, Vol. 2, 2nd Balkan Symposium on Field Crops, 16-20.6.1998, Novi Sad 329-332.
203. Čuvardić, M., Ubavić, M., Bogdanović, D., Milošev, D., **Latković, D.** (1998). Effect of Long – Term Application of Fertilizers on Heavy Metals Content in the Cernozem Soil. 2nd Balkan Symposium on Field Crops, 16-20 June 1998, Novi Sad, Vol. 2, 15-19.

M34 Саопштење са међународног скупа штампано у изводу

204. Crnobarac, J., Jaćimović, G., Marinković, B., **Latković, D.**, & Balijagić, J. (2010). Effect of variety and row distance on yield and quality of pot marigold. In Book of Abstracts, 28th International Horticultural Congress "Science and Horticulture for People", 22-27.8.2010, Lisbon, Portugal, 62.
205. Marinković, B., Crnobarac, J. Ž., Jaćimović, G. P., Rajić, M., **Latković, D.** S., & Aćin, V. A. (2010a). Sugar yield and technological quality of sugar beet at different levels of nitrogen fertilization. In Abstracts, International Symposium "Trends in the European Agriculture Development", 20-21.5.2010, Timisoara, Romania, 51.
206. Starčević, Lj., **Latković, D.**, Marinković, B. (2006). Specifity of Maize Inbred Lines to Nitrogen Fertilization. In Book of Abstracts, 20th International Conference of the EUCARPIA Maize and Sorghum Section, 20-24.6.2006, Budapest, Hungary, 122, 2006.
207. **Latković, D.**, Starčević, Lj., Marinković, B. (2005). Grain maize yield and quality depending on organic and mineral fertilization in different crop rotation. In Book of Abstracts, International Conference on the Role of Long-term Field Experiments in Agricultural and Ecological Sciences & Practical Solutions for Managing Optimum C and N Content in Agricultural Soils, Vol. 3, 22-24.6.2005, Prague, 58.
208. Kereši, T., Sekulić, R., Štrbac, P., Bača, F., **Latković, D.** (2002): Influence of fertilization, hybrids and insecticides on Western Corn Rootworm larvaldamage. In Book of Abstracts, 9th IWGO Diabrotica Subgroup Meeting, 3-5.11.2002, Belgrade, 45-46.
209. Kereši, T., Sekulić, R., Štrbac, P., **Latković, D.**, Bača, F. (2001). WCR Damage on Continuous Corn Dependent of Fertilization and Hybrids. In 11th WGO Conference, 7th Diabrotica Subgroup Meeting, Legnaro-Padua-Venice Italy, IWGO New Letter , 22(1-2), 38.

M42 Монографија националног значаја

210. Marinković, B., Grujić, M., Schaller, H.J., Malešević, M., Götz, F., Kečo, E., Crnobarac, J., Kuljančić, I., Marinković, D., Jaćimović, G., Janković, S., **Latković, D.** (2004). Biofizičke metode i prinos gajenih biljaka. Novi Sad: Poljoprivredni fakultet, Naučni institut za ratarstvo i povrtarstvo.

M45 Поглавље у монографији М42 или рад у тематском зборнику националног значаја или тематска целина у водичу добре клиничке праксе

211. Malešević, M., Jaćimović, G., Babić, M., & **Latković, D.** (2008). Upravljanje proizvodnjom ratarskih kultura. In Organska poljoprivreda, Tom 1, str. 153-226. Novi Sad : Institut za ratarstvo i povrtarstvo. https://enauka.gov.rs/handle/123456789/843300

M51 Рад у Рад у водећем националном часопису категорије М51

212. **Latković, D.**, Marinković, B., Crnobarac, J., Bogdanović, D., Bavec, F., & Jocković, Đ. (2010). Distribution of NO[3]-N within the soil profile in enhancing corn yield. In Savremena poljoprivreda, 59(3-4): 355-362. https://enauka.gov.rs/handle/123456789/697893
213. **Latković, D.**, Marinković, B., Crnobarac, J., Bogdanović, D., & Jocković, Đ. (2010). Uticaj doza azota na visinu prinosa linija kukuruza. In Ratarstvo i povrtarstvo, 47(1): 109-114. https://enauka.gov.rs/handle/123456789/391902
214. Malešević, M., Berenji, J., Bavec, F., Jaćimović, G., **Latković, D.**, & Aćin, V. (2010). Organic cereal production: Opportunity for agriculture in Serbia. In Savremena poljoprivreda, 59(3-4): 400-416. https://enauka.gov.rs/handle/123456789/353794
215. Marinković, B., Crnobarac, J., Jaćimović, G., Rajić, M., **Latković, D.**, Aćin, V. (2010): Sugar yield and technological quality of sugar beet at different levels of nitrogen fertilization. Research Journal of Agricultural Science, 42(1): 162-167.
216. **Latković, D.**, Marinković, B., Malešević, M., Jaćimović, G., & Jug, D. (2009). Effect of Different Levels of Nitrogen from Plowed under Harvest Residues on Grain Yield of Corn. In Savremena poljoprivreda, 58(3/4): 16-22. https://enauka.gov.rs/handle/123456789/751617
217. Jocković, Đ., Bekavac, G., Purar, B., Nastasić, A., Stojaković, M., Ivanović, M., **Latković, D.**, Boćanski, J. (2008). Oplemenjivanje kukuruza u Institutu za ratarstvo i povrtarstvo: Danas i sutra. Zbornik radova Instituta za ratarstvo i povrtarstvo, Novi Sad, 45: 5-13.
218. Marinković, B., Crnobarac, J., Jaćimović, G., **Latković, D.**, Tyr, Š., Mircov, V. D., Florin, I. (2007): Uticaj nekih agrotehničkih mera na kvantitativna svojstva šećerne repe u višegodišnjim ogledima i proizvodnji. Zbornik radova Instituta za ratarstvo i povrtarstvo, Novi Sad, 43: 169-182.
219. **Latković, D.**, Starčević, Lj., Marinković, B. (2007). Analiza vremenskih uslova i doprinos roka i gustine setve optimalnim prinosima kukuruza. Zbornik radova Instituta za ratarstvo i povrtarstvo, Novi Sad, 43: 95-102.
220. **Latković, D.** S., Starčević, Lj. Đ., Marinković, B. J. (2006). Dynamics of dry matter synthesis during corn development. Zbornik Matice srpske za prirodne nauke, 110: 107-114.
221. Starčević, Lj., **Latković, D.** (2006). Povoljna godina za rekordne prinose kukuruza. Zbornik radova Naučnog instituta za ratarstvo i povrtarstvo, 42: 299-309.
222. Stojaković, M., Jocković, Đ., Ivanović, M., Bekavac, G., Vasić, N., Purar, B., Nastasić, A., Starčević, Lj., Boćanski, J., **Latković, D.** (2006): Oplemenjivanje kukuruza na prinos i kvalitet. Zbornik radova Naučnog instituta za ratarstvo i povrtarstvo, 42: 41-54.
223. Starčević, Lj., Malešević, M., Marinković, B., Crnobarac, J., Panković, L., **Latković, D.**, Jaćimović, G. (2006). Agrotehnika ratarskih biljaka. 40. Seminar agronoma 1966.-2006. Zbornik radova Naučnog instituta za ratarstvo i povrtarstvo, 306-319.
224. Starčević, Lj., **Latković, D.** (2005). Prinos kukuruza u Vojvodini 2004. godine bio je najviši u poslednjih 10 godina (5,88 tha^{-1}). Da li je mogao biti više? Da! Zbornik radova Naučnog instituta za ratarstvo i povrtarstvo, Novi Sad, 41: 385-394.
225. Malešević, M., Marinković, B., Crnobarac, J., Starčević, Lj., **Latković, D.**, Panković, L. (2005). Breme rodne godine. Zbornik radova Naučnog instituta za ratarstvo i povrtarstvo, Novi Sad, 41: 5-10.
226. Marinković, B., Crnobarac, J., Jaćimović, G., Rajić, M., **Latković, D.**, Stojaković, Ž. (2005). Zavisnost prinosa i kvaliteta korena šećerne repe od rokova setve. Zbornik radova Naučnog instituta za ratarstvo i povrtarstvo, Novi Sad, 41: 129-133.
227. Starčević, Lj., **Latković, D.** (2004): Kako ostvariti dobar prinos kukuruza i u nepovoljnim vremenskim uslovima. Zbornik radova Naučnog instituta za ratarstvo i povrtarstvo, 40: 235-246.
228. Starčević, Lj., **Latković, D.**, Crnobarac, J. (2003). Stanje i mogući pravci razvoja ratarske proizvodnje u Vojvodini. Zbornik radova Naučnog instituta za ratarstvo i povrtarstvo, Novi Sad, 38: 5-19.
229. Starčević, Lj., **Latković, D.**, Marinković, B. (2003): Mineral nitrogen in the soil and its effect on corn yield. Annales UMCS, Sec. E, 58: 177-184.
230. Kereši, T., Sekulić, R., Štrbac, P., **Latković, D.**, Bača, F. (2001). Occurrence of western corn rootworm adults on different traps and hybrids. Veneto Agricoltura, 185-190.
231. Boćanski, J., Starčević, Lj., Petrović, Z., **Latković, D.** (2000). Stabilnost agronomskih svojstava NS hibrida kukuruza. Zbornik radova Naučnog instituta za ratarstvo i povrtarstvo, Novi Sad, 33: 245-251.

232. Starčević, Lj., **Latković, D.**, Crnobarac, J. (2000). Hybrid Specificity in Nitrogen Utilization. Genetika, 32(3): 407-418.

M52 Рад у националном часопису категорије M52

233. **Latković, D.**, Starčević, Lj. (2006). Dinamika mineralnog azota u zemljištu. Savremena poljoprivreda, 55: 125-131.
234. Stanaćev, V. S., Savić, S. I., Kovčin, S. Č., Starčević, Lj. Đ., Latkovska, M. M., **Latković, D.** S. (2000). Uticaj đubrenja na hemijske karakteristike zrna i prinos odabranih NS hibrida kukuruza. Acta Periodica Technologica, 31: 207-212.
235. Krstić, B., **Latković, D.**, Pajević, S., Petrović, N., Starčević, Lj. (1996). Uticaj načina ishrane azotom na neke fiziološke pokazatelje kod linija kukuruza. Savremena poljoprivreda, 44(1-2): 31-40.
236. Starčević, Lj., Marinković, B., **Latković, D.** (1994). Uticaj organskih i mineralnih đubriva u monokulturi kukuruza, na prinos, kvalitet zrna i sadrzaj NO_3 u zemljištu. Savremena poljoprivreda, 42(4): 37-39.
237. Starčević, Lj., **Latković, D.**, Pajević, S., Krstić, B. (1994). Brzina fotosintetskog oslobađanja kiseonika različitih listova kukuruza zavisno od nivoa ishrane azotom. Savremena poljoprivreda, 42(5).

M53 Рад у националном часопису категорије M53

238. Nikolić, Lj., **Latković, D.**, Berenji, J., Sikora, V. (2010). Morfološke karakteristike različitih sorti heljde (Fagopyrum esculentum Moench). Bilten za alternativne biljne vrste, 42(83): 53-59.
239. Sikora, V., Berenji, J., **Latković, D.** (2010). Uticaj klimatskih faktora na prinos biomase i žetveni indeks sirka za zrno i kukuruza. Bilten za alternativne biljne vrste, 42(83): 12-21.
240. **Latković, D.**, Marinković, B. (2010). Uticaj doza azota na sadržaj i iznošenje azota linijama kukuruza. Letopis naučnih radova Poljoprivrednog fakulteta Novi Sad, 34(1): 121-127.
241. **Latković, D.**, Jaćimović, G., Marinković, B., Malešević, M., Crnobarac, J. (2009). Sistem đubrenja u funkciji prinosa kukuruza u monokulturi i dvopolju. Letopis naučnih radova Poljoprivrednog fakulteta Novi Sad, 33(1): 77-84.
242. Jaćimović, G., Malešević, M., Bogdanović, D., Marinković, B., Crnobarac, J., **Latković, D.**, Aćin, V. (2009). Prinos pšenice u zavisnosti od dugogodišnjeg zaoravanja žetvenih ostataka. Letopis naučnih radova Poljoprivrednog fakulteta Novi Sad, 33(1): 85-92.
243. Šeremešić, S., Bogdanović, D., Milošev D., Marinković, B., **Latković, D.**, Jaćimović, G., (2009). Distribucija i dinamika NO_3-N u sistemu ratarenja kukuruz-pšenica. Letopis naučnih radova Poljoprivrednog fakulteta Novi Sad, 33(1): 69-76.
244. Jaćimović, G., Malešević, M., Marinković, B., Crnobarac, J., **Latković, D.**, Šeremešić, S., Milošev, D. (2008). Komponente prinosa jare pšenice u zavisnosti od nivoa đubrenja azotom, fosforom i kalijumom. Letopis naučnih radova Poljoprivrednog fakulteta Novi Sad, 32(1): 57-63.
245. **Latković, D.**, Starčević, Lj., Marinković, B., Malešević, M., Jaćimović, G., Crnobarac, J. (2008). Uticaj roka i gustine setve na visinu prinosa kukuruza. Letopis naučnih radova Poljoprivrednog fakulteta Novi Sad, 32(1): 70-74.
246. **Latković, D.**, Starčević, Lj., Marinković, B., Crnobarac, J., Jaćimović, G. (2006). Prinos zrna i iznošenje azota pri različitom đubrenju u monokulturi kukuruza. Letopis naučnih radova Poljoprivrednog fakulteta Novi Sad, 30(1): 134-140.
247. Jaćimović, G., Marinković, B., Crnobarac, J., **Latković, D.** (2006). Dinamika formiranja prinosa korena šećerne repe pri različitim nivoima đubrenja. Letopis naučnih radova Poljoprivrednog fakulteta Novi Sad, 30(1): 141-148.
248. Starčević, Lj., **Latković, D.** (1997). Aktuelna problematika u tehnologiji gajenja kukuruza. Poljoprivredne aktuelnosti, 1-2: 5-23.

M63 Саопштење са скупа националног значаја штампано у целини

249. Marinković, B. Crnobarac, J., Jaćimović, G., **Latković, D.**, Marinković, D., Mircov, D. V., Haban, M. (2009). Climate change in the function of sugarbeet yield. International Symposium "Trends in European Agriculture Development", Timisoara, May 14-15, 2009, Banat's University of Agricultural Sciences and Veterinary Medicine, Faculty of Agriculture – Timişoara and University of Novi Sad, Faculty of Agriculture, Research Journal of Agricultural Science, vol. 41 (1), 58-63.
250. Malešević, M., Jaćimović, G., **Latković, D.** (2009). Organska proizvodnja – mogućnosti, stanje i perspektive u Srbiji. Savetovanje na temu »Organska proizvodnja – stanje i perspektive«, 02. 07. 2009., Beograd, Zbornik radova, 7-22.

251. Malešević, M., Jaćimović, G., Berenji, J., **Latković, D.** (2009). Organska proizvodnja žita. III simpozijum sa međunarodnim učešćem "Proizvodnja organske hrane i razvoj ruralnog turizma", Udruženje za zdravu sredinu i organsku hranu "Zdravo - Organic", Selenča, 25-26. septembar 2009. Magazin "Poljoprivreda", br. 50, 25-37.
252. Kereši, T., Sekulić, R., Štrbac, P., **Latković, D.**, Bača, F. (2002). Uticaj sistema đubrenja i grupa zrenja kukuruza na štetnost larava kukuruzne zlatice. Billjni lekar, 23. Seminar iz zaštite bilja Vojvodine, 23-27.
253. Starčević, Lj., **Latković, D.** (2000). Stanje i perspektive proizvodnje kukuruza u Jugoslaviji. Zbornik naučnih radova sa 4. savetovanja agronoma, veterinara i tehnologa, Aranđelovac, 6: 45-62.
254. **Latković, D.**, Starčević, Lj. (1999). Zavisnost između različitih doza azota, prinosa zrna i sadržaja N, P i K u zrnu kod različitih linija kukuruza. Zbornik radova, 13. Simpozijum JDFB, 36.
255. Savić, S., Starčević, Lj., Latkovska, M., **Latković, D.**, Stanaćev, V. (1999). Biohemijske osobine nekih NS hibrida kukuruza. Zbornik radova Jugoslovenskog kongresa prehrambenog, farmaceutskog i hemijskog inženjerstva sa međunarodnim učešćem, Novi Sad, 136.
256. Starčević, Lj., Malešević, M., Marinković, B., **Latković, D.** (1999). Prinos zrna, sadržaj i iznošenje azota u zavisnosti od primenjene količine u đubrenju kukuruza. Zbornik radova 2. Međunarodne naučne konferencije - Proizvodnja njivskih biljaka na pragu XXI veka, Novi Sad, 31-40.
257. Starčević, Lj., **Latković, D.**, Marinković, B. (1995). Proizvodnja kukuruza u Vojvodini (prošlost, sadašnjost i budućnost). Zbornik radova Instituta za ratarstvo i povrtarstvo, Poljoprivrednog fakulteta u Novom Sadu, sv. 23, 227-240.
258. Marinković, B., Starčević, Lj., Crnobarac, J., Balešević, S., **Latković, D.** (1993). Uticaj zaoravanja zetvenih ostataka na premeštanje mineralnog azota u dublje slojeve zemljišta. Zbornik radova međunarodnog naučnog skupa Zaštita životne sredine i poljoprivreda EKO-93, Novi Sad, br. 6, 266-267.
259. Durman, P., **Latković, D.** (1991). Kadmij (Cd) u tlu i biljnom materijalu. Zbornik radova, 9. Jugoslovenski simpozijum o oštećenju zemljišta i problemi njegove zaštite. Tuzla, 23-24.

M64 Саопштење са скупа националног значаја штампано у изводу

260. **Latković, D.**, Šeremešić, S., Marinković, B., & Marinković, J. (2010). Značaj višegodišnjih ogleda u optimalizaciji agrotehničkih mera i očuvanja agroekosistema. In Knjiga izvoda iz saopštenja, 5. naučno-stručni skup InterRegioSci, 28.4.2010, Novi Sad, 72.
261. Marinković, B., Bogdanović, D., Milošev, D., Nešić, Lj., Manojlović, M., **Latković, D.**, Kurjački, I., Šeremešić, S., Kovačev, L., Malešević, M., Jocković, Đ., Stojaković, M., Nastasić, A., Jevtić, R., Balalić, I., Marinković, J., Đukić, V., Ćirić, V. (2010). Višegodišnji stacionarni ogledi u funkciji očuvanja životne sredine i postizanja optimalnih prinosa najvažnijih ratarskih biljaka u Vojvodini. In Knjiga izvoda iz saopštenja, 5. Naučno stručni skup InterRegioSCI, 28.4.2010, Novi Sad, 36.
262. Jaćimović, G., Crnobarac, J., Marinković, B., Adamović, D., Mrđa, J., **Latković, D.** (2009): Uticaj sorte i gustine useva na prinos i kvalitet nevena. Savetovanje o sakupljanju i gajenju lekovitog i aromatičnog bilja. Zbornik prezentovanih rezultata Poljoprivredni fakultet Novi Sad, 21.02.2009, Novi Sad, 180-209.
263. **Latković, D.** (2009): Glavni aspekti tehnologije gajenja belog sleza. Zbornik prezentovanih rezultata Poljoprivredni fakultet Novi Sad, 21.02.2009, Novi Sad, 159-179.
264. Đalović, I., Jocković, Đ., **Latković, D.**, Jocković, M. (2009). Značaj i doprinos NS hibrida unapređenju proizvodnje kukuruza u Srbiji. Zbornik sažetaka 14. međunarodno naučno-stručnog savetovanja agronoma Republike Srpske "Poljoprivreda ruralnog područja kao faktor integracije u EU", Trebinje, 129.
265. Malešević, M., Berenji, J., Jaćimović, G., **Latković, D.**, Aćin, V. (2009). Organska proizvodnja žita. IV simpozijum sa međunarodnim učešćem »Inovacije u ratarskoj i povrtarskoj proizvodnji«, Poljoprivredni fakultet, Beograd-Zemun, 23-24.10.2009. Zbornik izvoda, 22-23.
266. Crnobarac, J., Marinković, B., Jaćimović, G., **Latković, D.** (2009). Gustina useva u funkciji prinosa i kvaliteta nevena. Izvodi radova, 16. naučnostručni skup „Proizvodnja i plasman lekovitog, začinskog i aromatičnog bilja", 9.10.2009, Bački Petrovac, 10-11.
267. Crnobarac, J., Marinković, B., Jaćimović, G., **Latković, D.** (2009): Prinos i kvalitet nevena (Calendula officinalis L.) u zavisnosti od gustine useva. Knjiga izvoda iz saopštenja, 4. naučno-stručni skup »InterRegioSci 2009«, 21.4.2009, Novi Sad, 14.
268. Marinković, B., Bogdanović, D., Milošev, D., Nešić, Lj., Manojlović, M., **Latković, D.**, Kurjački, I., Šeremešić, S., Kovačev, L., Malešević, M., Jocković, Đ., Stojaković, M., Nastasić, A., Jevtić, R., Balalić, I., Marinković, J., Đukić, V., Ćirić, V. (2009): Višegodišnji stacionarni ogledi u funkciji očuvanja životne sredine i postizanja optimalnih prinosa najvažnijih ratarskih biljaka u Vojvodini. Izvodi rezultata istraživanja projekata, 4. naučno-stručni skup »InterRegioSci 2009«, 21. april 2009, Novi Sad, 37.

269. Starčević, Lj., **Latković, D.** (1998). Tehnologija gajenja kao ograničavajući činilac u proizvodnji kukuruza. Zbornik rezimea, 4. savetovanje agronoma Republike Srpske, Teslić, 55.
270. **Latković, D.**, Pajević, S., Starčević Lj., Krstić, B., Petrović, N. (1997). Uticaj organskih i mineralnih đubriva na prinos i neke pokazatelje prinosa kod različitih genotipova kukuruza. 12. Simpozijum JDFB, Kragujevac, 99.
271. **Latković, D.**, Pajević, S., Krstić, B., Starčević, Lj., Petrović, N. (1995). Neke karakteristike lisnog aparata linija kukuruza u zavisnosti od ishrane azotom. 11. Simpozijum Jugoslovenskog društva za fiziologiju biljaka, Novi Sad, 55.
272. Starčević, Lj., Jekić, S., **Latković, D.** (1993). Prorastanje vretena klipa kukuruza iz ovojnih listova, uzroci i posledice. 10. Simpozijum Jugoslovenskog društva za fiziologiju biljaka, Beograd, 114.

6. КВАНТИФИКАЦИЈА НАУЧНИХ РЕЗУЛТАТА КАНДИДАТА

Врста резултата	Вредност резултата (Прилог 2)	Укупан број резултата (укупан број резултата који подлежу нормирању)	Укупан број бодова (укупан број бодова након нормирања)
M21a+	20	1 (1)	20 (16,7)
M21a	12	9 (1)	108 (103,5)
M21	8	10 (3)	80 (70,5)
M22	5	4	20
M23	3	5	15
M24	3	2	6
M31	3,5	1	3,5
M32	1,5	3	4,5
M33	1	18	18
M34	0,5	52 (6)	26 (24,8)
M42	5	3	15
M45	1,5	1	1,5
M51	2	10 (1)	20 (19,7)
M52	1,5	15 (1)	22,5 (22,3)
M53	1	9	9
M61	1,5	1	1,5
M63	1	28	28
M64	0,5	20	10
M82	8	1	8
M98	8	2	16
УКУПНО		**195 (13)**	**432,5 (413,5)**

Поређење са минималним квантитативним условима за избор у тражено научно звање

Диференцијални услов за оцењивани период за избор у научно звање научни саветник	Неопходно за НСВ	Неопходно за непосредни избор у НСВ (НС×2+ВНС×2+НСВ×2)	**Остварени нормирани број бодова**
Укупно	70	272	**413,5**
Обавезни (1): M21+M22+M23+M81-84+M91-98+M101-103+M108	35	142	**249,7**
Обавезни (2): M81-84+M91-98+M101-103+M108	5	16	**24**

С обзиром на то да је др Драгана Латковић остварила више од потребног броја бодова у оквиру свих категорија диференцијалних услова, Комисија сматра да су испуњени квантитативни услови за непосредни избор у звање научни саветник.

7. ЗАКЉУЧАК И ПРЕДЛОГ КОМИСИЈЕ

Др Драгана Латковић, редовни професор је кроз вишегодишњи научноистраживачки рад стекла знање и искуство да самостално дефинише проблеме и предузме одговарајуће мере у циљу њиховог решавања. Научноистраживачка активност др Драгане Латковић заснована је на истраживањима из области технологије производње и семенарства на првом месту кукуруза, а затим и алтернативних њивских биљака (сирак, конопља и др.) у циљу повећања приноса и квалитета са једне стране, а са друге стране у афирмацији гајења алтернативних биљних врста. Користила је добар колегијални однос и вишегодишњу успешну сарадњу са истраживачима из других институција из земље и иностранства, што је резултирало објављивањем заједничких научних радова.

На основу резултата рада које је постигла **др Драгана Латковић**, а имајући у виду критеријуме за стицање научних звања, као и укупних квалитета кандидата као научног радника, Комисија предлаже Научном већу Института за ратарство и повртарство, Нови Сад, да упути предлог Матичном научном одбору за биотехнологију и Комисији за стицање научних звања Министарства науке, технолошког развоја и иновација Републике Србије, за **избор** кандидата у звање **научни саветник,** за научну област **Биотехничке науке**, грана **Пољопривреда**, научна дисциплина **Ратарство и повртарство**, ужа научна дисциплина **Жита** и **Индустријско биље.**

Нови Сад, 20.11.2025.

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