

Publications

Edite Kaufmane

Researcher's unique identifier(s): ORCID: 0000-0001-5188-4115, Scopus Author ID: 15767648000

Monographs and books:

1. M.Skrīvele, L.Ikase, **E.Kaufmane**, M.Blukmanis, S.Srautiņa, S.Ruisa u.c. 1999. Illustrated catalogue of varieties of fruits and berries. Dobeles DSIS, Dobele (in Latvian), 323 pp.
2. M.Skrīvele, S.Srautiņa, L.Ikase, **E.Kaufmane**, S.Ruisa u.c.2000. Manual for intensive fruit growing, Dobeles DSIS, Dobele (in Latvian), 281 pp.
3. Skrīvele M., **Kaufmane E.**, 1999. Fruit growing// Scientific background of Agriculture (red. V.Strīķis), LLU (in Latvian), pp. 4.36-4.38,5.42-5.47,11.33-11.34,17.17-17.18.
4. J.Kārkliņš., M.Skrīvele, **E.Kaufmane**, L.Ikase. 2007. Plum cultivars. Pomology of Latvia. Reneprint, Riga (in Latvian), 204 pp.
5. I.Birulis, B.Audriņa,...**E.Kaufmane**,...2008. 400 fruits and berries in Latvia. Lauku Avīze, Riga (in Latvian), 237 pp.
6. S.Ruisa, **Kaufmane E.** 2008. Cultivars of cherries, apricots and peaches. Pomology of Latvia. Riga. Latvia State Institute of Fruit-Growing, Dobele (in Latvian). 206 pp.
7. S.Srautiņa, **Kaufmane E.** 2011. Lilacs of Dobele, Jumava, Rīga (in Latvian). 95 pp.
8. Skrīvele M., Rubauskis E., Strautiņa S., Ruisa S., Ikase L., **Kaufmane E.**, et.al. 2012. Guide in commercial fruit growing. Latvia State Institute of Fruit-Growing, Dobele (in Latvian). 188 pp.
9. Fruit growing. 2015. Latvia State Institute of Fruit-Growing, Dobele (in Latvian), 545 pp.

Publications indexed in the Web of Science and / or Scopus databases:

1. Rumpunen K., Kviklys D., **Kaufmane E.**, Garkava L., 1998. Breeding *Chaenomeles* - a new aromatic fruit crop. Acta Horticulturae, 484:211-216.
2. Rumpunen K., Trajkovski V., Bartish I., Nybom H.,...,**Kaufmane E.** , ...2000. Domestication of Japanese Quince (*Chaenomeles japonica*). Acta Horticulture. 538. Vol.1, Proceedings of the Eucarpia Symposium on Fruit Breeding and Genetics. pp.345-350.
3. **Kaufmane E.**, Rumpunen K., 2002. Sporogenesis and gametophyte development in *Chaenomeles japonica* (Japanese quince). Scientia Horticulturae ,94, pp.241-249.
4. **Kaufmane E.**, Rumpunen K., 2002. Pollination, pollen tube growth and fertilisation in *Chaenomeles japonica* (Japanese quince). Scientia Horticulturae ,94, pp.258-271.

5. **Kaufmane E.**, Trajkovski V., Lacis G., Ikase L., 2002. Evaluation and characterisation of plum genetic resources in Sweden and Latvia. *Acta Horticulturae*. 577, pp.207-215.
6. **Kaufmane, E.**, Skrivelē, M., Rubauskis, E. 2007. The influence of different rootstocks on the growth and yield of plum cultivars. *Acta Horticulturae*, 387.-391.
7. Lacis, G., **Kaufmane, E.** Rashal, I., Trajkovski, V., Iezzoni, A.F. 2008. Identification of self-incompatibility (S) alleles in Latvian and Swedish sweet cherry genetic resources collections by PCR based typing. *Euphytica*, 160:155-163. [SCOPUS] DOI: 10.1007/s10681-007-9496-1, <http://www.springerlink.com/content/bp1w2984p0031273/>
8. **Kaufmane E.**, L.Ikase, D.Seglina. 2010. Pomological characteristics of plum table cultivars in Latvia. *Acta Horticulturae* 874, 337-341. <http://www.actahort.org/books/874/index.htm>.
9. Butac M., Bozhkova V., Zhivondov A., Milosevic N., Bellini E., Nencetti V., Blazek J., Balsemin E., Lafarque B., **Kaufmane E.**, Gravite I., Vasiljeva M., Pintea M., Juraveli A., Webster T., Hjalmarsson I., Trajkovski V., Hjeltnes S.H. 2012. Overview of plum breeding in Europe. *Acta Horticulturae*, No.981, 91. – 98. <http://www.actahort.org/books/981/index.htm>.
10. Lācis G., **Kaufmane E.**, Kota I., Grāvīte I., Trajkovski V. 2012. Genetic diversity and plasticity in selected progeny of plum cultivar ‘Jubileum’. *Acta Horticulturae*, 935, 129-135. <http://www.actahort.org/books/935/index.htm>
11. **Kaufmane, E.**, Grāvīte, I., Trajkovski, V. (2012). Results of Latvian plum breeding programme. *Acta Horticulturae*, 968, 55-60. http://www.actahort.org/books/968/968_18.htm
12. Grāvīte I., **E.Kaufmane**. 2013. The Evaluation of Resistance to Shotehole, Leaf Rust and Fruit Tree Red Spider Mite in Elite Domestic Plum Hybrids in Latvia. *Acta Horticulturae*, 985.p.181.–188. <http://www.actahort.org/books/985/index.htm>.
13. Grāvīte I., **Kaufmane E.** 2013. Results of pollination studies of some new plum cultivars in Latvia. *Acta Horticulturae*. 976. p. 121. – 127. <http://www.actahort.org/books/976/index.htm>
14. **Kaufmane E.**, Skrīvele M., Rubauskis E., Strautiņa S., Ikase L., Lācis G., Segliņa D., Moročko-Bičevska I., Ruisa S., Priekule I. (2013) Development of fruit science in Latvia. Proceedings of the Latvian Academy of Sciences. Section B, Vol.67, No.2 (683), pp. 71 – 83) <https://content.sciendo.com/view/journals/prolas/67/2/article-p71.xml>
15. Vitalijs Radenkovs, **Edite Kaufmane**, Edgars Rubauskis, Dalija Seglina. 2015. Preliminary results of 1-methylcyclopropene influence on the quality of plums grown in Latvia. Proceeding of the Latvia Academy of Sciences, Section B. <http://www.degruyter.com/view/j/prolas.2016.70.issue-1/prolas-2016-0004/prolas-2016-0004.xml>
16. Górnáś, P., Mišina, I., Grāvīte, I., Soliven, A., **Kaufmane, E.**, Segliņa, D. (2015). Tocochromanols composition in kernels recovered from different apricot varieties:

RP-HPLC/FLD and RP-UPLC-ESI/MSn study. Natural Product Research, 29, 1222–1227. <http://link.springer.com/article/10.1007%2Fs00217-015-2480-4>

17. Górnáś, P., Mišina, I., Grāvīte, I., Lācis, G., Radenkovs, V., Olšteine, A., Segliņa, D., **Kaufmane, E.**, Rubauskis, E. 2015. Composition of tocochromanols in the kernels recovered from plum pits: the impact of the varieties and species on the potential utility value for industrial application. European Food Research and Technology. Volume 241, Issue 4, 513-520.
<http://link.springer.com/article/10.1007%2Fs00217-015-2480-4>.
18. Grāvīte, I., **Kaufmane, E.** (2016) Influence of calcium and boron on fluorescence parameters in domestic plums. Acta Horticulturae, No.1130, p. 511-517.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0->
19. I.Grāvīte, **E.Kaufmane**, M.Militaru.2017. Influence of boron foliar fertilization on plum pollen viability, germination and fruit set. Acta Horticulture. 1175, p.67-72. http://www.actahort.org/books/1175/1175_13.htm
[DOI:10.17660/ActaHortic.2017.1175.13](http://doi.org/10.17660/ActaHortic.2017.1175.13)
20. Ilze Gravite, **Edite Kaufmane**.2017. Evaluation of German plum selection in Proceedings of the Latvian Academy of Sciences. Section B, Vol.71, Issue 3, pp. 166-172. <https://doi.org/10.1515/prolas-2017-0028>
21. **Edite Kaufmane**, Māra Skrīvele and Laila Ikase. 2017. Fruit-growing in Latvia - industry and science. Proceedings of the Latvian Academy of Sciences. Section B, Vol.71, Issue 3, pp. 237-247.
<https://www.degruyter.com/view/j/prolas.2017.71.issue-3/prolas-2017-0040/prolas-2017-0040.xml?format=INT>
22. I.Grāvīte, **E.Kaufmane**.2017. Effects of foliar sprays on plum development and production under Latvian conditions. Acta Horticulturae, No.1177, p. 355-360. (SCOPUS). http://www.actahort.org/books/1177/1177_51.htm
[DOI:10.17660/ActaHortic.2017.1177.51](http://doi.org/10.17660/ActaHortic.2017.1177.51)
23. Lanaukas J., Uselis N., Kviklys D., Gravite I., **Kaufmane E.**, Rubauskis E. 2018. Influence of rootstock on plum trees performance during the early years after grafting. Acta Horticulturae, 1228:293-300. https://www.ishs.org/ishs-article/1228_44
24. Edite Kaufmane, Ilze Gravite, and Laila Ikase. 2019. Plum research and growing . Proceedings of the Latvian Academy of Sciences. Section B, Vol.73, Issue 3 (720), pp.195-206. <https://content.sciendo.com/view/journals/prolas/73/3/article-p195.xml>
25. Ilze Gravite, Edite Kaufmane, Laila Ikase, and Edgars Cirsa. 2019. Influence of different training systems on the beginning of domestic plum production and yield. Proceedings of the Latvian Academy of Sciences. Section B, Vol.73, Issue 3 (720), pp. 244-251.
<https://content.sciendo.com/view/journals/prolas/73/3/article-p244.xml>
26. Edite Kaufmane and Laila Ikase. 2019. Viktor Trajkovski, outstanding Swedish fruit-growing scientist. Proceedings of the Latvian Academy of Sciences. Section B, Vol.73, Issue 3 (720), pp. 263-265.
<https://content.sciendo.com/view/journals/prolas/73/3/article-p263.xml>

27. Edīte Kaufmane. 2019. Conference “Challenges of plum growing in Europe”. Proceedings of the Latvian Academy of Sciences. Section B, Vol.73, Issue 3 (720), pp. 266-267. https://content.sciendo.com/view/journals/prolas/73/3/article-p266.xml?tab_body=article_recommendations
28. Grāvīte, I., E. Kaufmane, E. Cirša, J. Lanauskas. 2020. Preliminary performance of six plum rootstocks on six European plum cultivars in Latvia. *Acta Horticulturae*.1281: 137-143. <https://doi.org/10.17660/ActaHortic.2020.1281.20>
29. Inga Mišina, Elise Sipeniece, Magdalena Rudzińska, Anna Grygier, Monika Radzimirski-Graczyk, Edīte Kaufmane, Dalija Segliņa, Gunārs Lācis, Paweł Górnas (2020) Associations between oil yield and lipophilic compounds in seed oil of three genotypes Japanese quince (*Chaenomeles japonica*) during fruit development. *European Journal of Lipid Science and Technology*. 1900386, p.1 – 7. <https://onlinelibrary.wiley.com/doi/full/10.1002/ejlt.201900386?af=R>
30. Elise Sipeniece , Inga Misina , Anna Grygier , Ying Qian , Magdalena Rudzińska , Edīte Kaufmane , Dalija Seglina, Aleksander Siger , Paweł Gornas. 2020. Impact of the harvest year of three cultivars of Japanese quince (*Chaenomeles japonica*) on the oil content and its composition. *Scientia Horticulturae*. <https://www.sciencedirect.com/science/article/pii/S0304423820305112>
31. Inga Mišina,Elise Sipeniece,Anna Grygier,Ying Qian,Magdalena Rudzińska,Edīte Kaufmane, Dalija Seglina, Alexander Siger, Paweł Gornas. 2020. Profiling of the lipophilic components of seed oils recovered from twelve Japanese quince (*Chaenomeles japonica*) genotypes. *Natural product research*. <https://www.tandfonline.com/doi/full/10.1080/14786419.2020.1782407>
32. Kaufmane E., S.Ruisa. 2020. Breeding of new cultivars of the fruit crop Japanese quince (*Chaenomeles japonica*) in Latvia. *Acta Horticulturae*.1281, P.51-57. <https://doi.org/10.17660/ActaHortic.2020.1281.9>
33. Seglina, D., Krasnova, I., Olsteine, A., Urbanaviciute, I., Kaufmane, E.2020. Development of meat dressing chutney applying various fruit processing by-products. *Acta Horticulturae*, 1292, pp. 79–86. <https://doi.org/10.17660/ActaHortic.2020.1292.11>
34. Inga Mišina,Elise Sipeniece,Anna Grygier,Ying Qian,Magdalena Rudzińska,Edīte Kaufmane, Dalija Segliņa, Aleksander Siger, Paweł Gornas. 2021. Impact of the harvest year of three cultivars of Japanese quince (*Chaenomeles japonica*) on the oil content and its composition.*Scientia Horticulturae*. 275.3. <https://doi.org/10.1016/j.scienta.2020.109683>.
35. Grāvīte, I., Dēkena, D., Kaufmane, E., Ikase, L. 2021. Intensive type plum plantations in Latvia *Acta Horticulturae*, 1322, pp. 221-227. https://www.actahort.org/books/1322/1322_32.htm
36. E. Kaufmane, S. Ruisa and K. Karklina. 2022. Results of propagation for three cultivars of Japanese quince (*Chaenomeles japonica*), Proceedings of the Latvian Academy of Sciences. Section B, Vol.76, Issue 4, pp.477-481. <https://sciendo.com/article/10.2478/prolas-2022-0073>
37. Edīte Kaufmane, Kaspars Sudars, Ivars Namatēvs, Ieva Kalniņa, Jānis Judvaitis, Rihards Balašs, Sarmīte Strautiņa. 2022. QuinceSet - Dataset of Annotated Japanese Quince Images for Object Detection. Data in Brief. Volume 42, June

2022, 108332.

<https://www.sciencedirect.com/science/article/pii/S2352340922005340?via%3Dihub>

- 38.** Kaspars Sudars, Ivars Namatēvs, Jānis Judvaitis, Rihards Balašs, Artūrs Nikuljins, Astile Peter, Sarmīte Strautiņa, Edīte Kaufmane, Ieva Kalniņa, 2022 "YOLOv5 Deep Neural Network for Quince and Raspberry Detection on RGB Images," 2022 Workshop on Microwave Theory and Techniques in Wireless Communications (MTTW), Riga, Latvia, 2022, pp. 19-22.
<https://ieeexplore.ieee.org/document/9942550>
- 39.** Strautiņa, S., Kalniņa, I., Kaufmane, E., Sudars, K., Namatēvs, I., ... Nikulins, A., Edelmers, E. 2023 RaspberrySet: Dataset of Annotated Raspberry Images for Object Detection Data, 2023, 8(5), 86.
<https://ieeexplore.ieee.org/document/9942550>
- 40.** Edīte Kaufmane, Edgars Edelmers, Kaspars Sudars, Ivars Namatevs, Arturs Nikulins, Sarmīte Strautin, Ieva Kalnina, and Astile Peter. 2023. Three-Dimensional Imaging in Agriculture: Challenges and Advancements in the Phenotyping of Japanese Quinces in Latvia. Horticulturae, MDPI. 9(12), 1347. 1-16. <https://www.mdpi.com/2311-7524/9/12/1347>
- 41.** Kaufmane, E., S. Ruisa, K. Karklina. 2023. The effects of pollinizers, pollen and pistil quality, and fruit set of Japanese quince (*Chaenomeles japonica*) cultivars and perspective hybrids. Acta Horticulturae, 1362, 621 – 627.
https://www.actahort.org/books/1362/1362_84.htm
- 42.** Strautiņa, S., Kalniņa, I., Kaufmane, E., Sudars, K., Namatēvs, I., ... Nikulins, A., Edelmers, E. Initial results of the development of intelligent noninvasive phenotyping of raspberries using machine learning and 3D imaging. 2023. Acta Horticulturae, 1381, 101 – 108.
https://www.actahort.org/members/showpdf?booknrarnr=1381_14
- 43.** Karina Juhnevica-Radenkova , Inta Krasnova , Dalija Seglina , Edite Kaufmane, Ilze Gravite , Anda Valdovska and Vitalijs Radenkova. 2024. Biochemical Profile and Antioxidant Activity of Dried Fruit Produced from Apricot Cultivars Grown in Latvia. Horticulturae, MDPI. 10 (3), 205. 1-28. <https://www.mdpi.com/2311-7524/10/3/205>
- 44.** Gunārs Lācis, Katrīna Kārkliņa, Toms Bartulsons and Edīte Kaufmane. 2024. Intergeneric Transfer of Simple Sequence Repeat Molecular Markers for the Study of *Chaenomeles* as Fruit Crop Breeding Material. Horticulturae, MDPI., 10, 1233. <https://doi.org/10.3390/horticulturae10111233>

Other scientific publications

- 1.** **Kaufmane E.** 1986. Relationships of the development of plum flower buds. *Zinātne un Tehnika* (in Latvian), 2, .14.-16.
- 2.** **E.Kaufmane.** 1987. Development of flower buds of plums in context of breeding and winterhardiness. *Genetic and breeding in Latvia. R.* (in Russian), pp. 106-108.
- 3.** **Kaufmane E.** 1989. Results of investigation of plum cultivar ‘Skoroplodnaya’. *Plodovodstvo, Minska* (in Russian), Nr.7, pp. 5-7.

4. **E.Kaufmane.** 1990. Development of mail gametophyte of plums. Tautsaimniecībā derīgo augu biokīmija un bioloģija. R. (in Latvian), pp.52-56.
5. **Kaufmane E.** 1991. The cytoembryological characteristics of the development of plum reproductive sphere (Doctor's thesis). Samohvalovichi, Belarus. 20 p., (in Russian).
6. Skrīvele M., M. Blukmanis, R. Dumbravs, L. Ikase, **E. Kaufmane**, S. Ruisa, S. Strautiņa 1991. Breeding of fruit and berries in Latvia. R.: Zinātne (in Latvian), pp. 36-40.
7. **Kaufmane E.** 1992. Results of cytoembiological investigation of plums. ZA Vēstis (in Latvian), 8(541), pp.70 - 72.
8. Skrīvele M., Blukmanis M., Ikase L., **Kaufmane E.**, Ruisa S., Strautina S., 1995. Fruit breeding problems in Latvia: current problems. Proceedings of the Latvian Academy of Sciences. N 5/6, pp.109-113.
9. **Kaufmane E.** 1996. Results of apricot breeding in Dobele. Problems of Fruit Breeding. Collection of Scientific Articles, Jelgava ,1996, pp.19 – 24.
10. Blukmanis M., Ikase L., **Kaufmane E.**, Ruisa S., Strautiņa S., Skrīvele M., Rashal I., 1997. Pēteris Upītis (1896-1976), horticulturist and breeder. // Proceedings of the Latvian Academy of Sciences, vol. 51, N 1/2, pp. 88-91.
11. **Kaufmane E.**, Andersone D., 1997. Preliminary results of stone fruit scion propagation on clonal rootstocks. // Modern orchards: achievements and tendencies (collection of scientific articles), Babtai, Lithuania, pp. 53 – 63.
12. **Kaufmane E.**, 1998. Apricot breeding for winterhardiness. Horticulture and vegetable growing. Proceedings of the International scientific conference "Plant resistance to abiotic environmental factors", Babtai. pp. 173-178.
13. Skrīvele M., Ikase, L., **Kaufmane, E.**, 1998. Horticulture in Latvia. // Sadownictwo w krajach snodkowowschodniej Europy, Lublin, pp. 205-211.
14. Skrīvele M., **Kaufmane E.**, Ikase L., 1999. 'Lāse' and 'Minjona' – two new promising Latvian plum varieties. // Fruit Growing Today and Tomorrow, Dobele, pp.42-50.
15. **Kaufmane E.**1999. Development of mail and femail gametophytes of Japanese quince (*Chaenomeles ssp.*). Agronomijas Vēstis. 1, pp.175-179.
16. Lacis G., Ruisa S., **Kaufmane E.**, 2000. Investigations on sweet cherry pollen compatibility at the Dobele HPBES. Proceedings of International Conference "Fruit Production and Fruit Breeding", Polli, Estonia. pp.152-156.
17. **Kaufmane E.**,Andersone D.,2000.Preliminary investigations on fruit set and defective pistils in Japanese quince (*Chaenomeles japonica*) at Dobele HPBES. Proceedings of International Conference "Fruit Production and Fruit Breeding", Polli, Estonia 12 – 13 September, pp.240-243.
18. Andersone, D., **Kaufmane, E.**2001. Results of pollination, fertilisation and fruit set in Japanese quince (*Chaenomeles japonica*) at Dobele HPBES. Horticulture and Vegetable growing. 20 (3) - 1. Babtai: Scientific works of the Lithuanian institute of horticulture and Lithuanian university of agriculture, pp. 70-78.
19. Ikase L., Lacis G., **Kaufmane E.** 2001.Fruit crop genetic resources in Latvia. Biologia, Lietuvos mokslu akademijos leidykla, 4. pp.23-26.

- 20.** Andersone, D., **E. Kaufmane**.2003. Flowering and Fruit Set in Japanese Quince (*Chaenomeles japonica*). Japanese Quince Potential Fruit Crop for Northern Europe. Edited by K.Rumpunen, Dep. of Crop Science, Balsgard, pp.29-36.
- 21.** **Kaufmane E.**, L. Ikase, V. Trajkovski. 2003. Evaluation of Swedish plum varieties and hybrids in Sweden and Latvia. Horticulture and Vegetable growing. Scientific works of the Lithuanian institute of horticulture and Lithuanian university of agriculture. 22(1), pp. 62-73.
- 22.** **Kaufmane, E.**, Lacis,G. 2004. Studies on selection of apricots and peaches with good fruit quality and winterhardiness in Latvia. Journal of Fruit and Ornamental Plant Research. Vol. XII, Research Institute of Pomology and Floriculture, Skiernewice, pp. 321-329.
- 23.** **Kaufmane, E.**, G. Lacis, L.Ikase.2006. Current situation of the Latvian *Prunus* collections – conservation, evaluation and characterization for the establishment of core collections. Biodiversity International. ECP/GR Report of a working group on *Prunus*. pp. 66-74.
- 24.** **Kaufmane,E.**,Skrivele,M.,Rubauskis,E., Ikase,L. 2007. The yield and fruit quality of two plum cultivars on different rootstocks. Scientific works of the Lithuanian Institute of Horticulture, 27(3), pp.10-15.
- 25.** Skrīvele M., **Kaufmane E**, Rubauskis E., Ikase L., Strautiņa S., Ruisa S., Blukmanis M. 2008. Overview of fruit and berry growing in Latvia. / Proceedings of International scientific conference „Sustainable Fruit Growing: From Plant to Product”, pp.5-14.
- 26.** Dimza I., Rubauskis E., Skrīvele M., **Kaufmane E**. 2008.The use of multiple regression analysis for the interpretation of data of a non-orthogonal experiment with several plum cultivars and rootstocks. / Proceedings of International scientific conference „Sustainable Fruit Growing: From Plant to Product”, pp. 26-31.
- 27.** Grāvīte I., **Kaufmane E.**, Āboliņš M., 2011. Evaluation of some Qualitative Characters of New Plum Cultivars. Proceeding of the Annual 17th International Scientific Conference, Jelgava, LLU, (Vol.1) ISSN 1691-4031, pp.41.-46.
- 28.** Grāvīte I., **Kaufmane E.**, 2011. Stability of some quality characters of new plum cultivars in Latvia. Proceeding of the International scientific conference “Climate change: agro- and forest systems sustainability.” Institute of Horticulture Lithuanian Research Centre for Agriculture and Forestry, ISSN 0236-4212, pp. 23.-34.
- 29.** Grāvīte I., **Kaufmane E.**, 2011. Preliminary assessment of yield and fruit quality new Latvian plum cultivars. Proceedings of International scientific conference „Совершенствование адаптивного потенциала косточковых культур и технологии их возделывания”, Russia, Orla (in Russian), ISBN 978-5-9000705-55-2, pp. 55-58.
- 30.** Skrīvele Māra, **Edīte Kaufmane**. 2018. Plum cultivar ‘Latvijas Dzeltenā Olplūme’ – its changes over a century and the possibility of re-establishing. Proceedings of the Scientific and Practical Conference “Harmonious Agriculture”, LLU, Jelgava, pp. 40-43. (in Latvian).

- 31.** Kaufmane, E., Segliņa, D., Górnáš P. 2021. Japanese quince (*Chaenomeles japonica*)- from field via lab to table: the role of “green technologies”. Latvian Academy of Science- Yearbook 2021., Riga, pp.119-121.