

CURRICULUM VITAE

PERSONAL INFORMATION

Family name, First name: Kalle, Raivo

ORCID: <https://orcid.org/0000-0002-2175-8617>

Date of birth: 26.08.1976

Contact: raivo.kalle@mail.ee, r.kalle@unisg.it

EDUCATION

2011–2017 Estonian University of Life Sciences – PhD in Applied Biology

2005–2008 Estonian University of Life Sciences – MSc in Botany and Mycology

2000–2005 Estonian Agricultural University – BSc in Natural Resources Management

2000 Muraste Border Guard School – border guard education

1999 Narva-Jõesuu Border Guard Training Center – guerrilla training

1992–1996 Rakvere Vocational High School – farmer education

CURRENT POSITION

2019 September – University of Gastronomic Sciences, Research Fellow

2017–2019 Kuldvillane OÜ, President

2006–2017 Estonian Literary Museum, Research Assistant

1998–2006 Border Guard Board, border guard

1997–1998 Repo Vabrikud Ltd, laborer

1996–1997 Military Service

TEACHING ACTIVITIES AND EXPERT COUNSEL

2016 instructor for ethnobotany training in Belarusian Academy of Sciences (supported by Estonian Ministry of Foreign Affairs through a Development Cooperation project).

2015/2016, 2014/2015 Lecturer at the course Introduction to Ethnobotany – Institute of Agricultural and Environmental Sciences, Estonian University of Life Sciences.

2014 expert adviser for the exhibition "Estonian Wild Food Plants" at Estonian Agricultural Museum.

2009 Lecturer at the course Cultural Heritage – Institute of Agricultural and Environmental Sciences, Estonian University of Life Sciences.

SUPERVISION OF STUDENTS

Tsirgu, T. 2013. Cultural anthropological research on beer brewing in Estonia in 21st century. Master's Degree. Estonian Academy of Arts. (sup) Jaanus Plaat; **Raivo Kalle**.

Supervised graduation thesis for undergraduate students at Estonian University of Life Sciences (2 students) and Tallinn University (1 student).

FIELDWORK

2019 Ethnobotanical and ethnographical fieldwork in Setumaa, Estonia (four weeks).

2018 Ethnobotanical and ethnographical fieldwork in Setumaa, Estonia (four weeks).

2017 Ethnobotanical and ethnographical fieldwork in Latgale, Latvia (two weeks).

2016 Ethnobotanical and ethnographical fieldwork in Liuban. Belarus (two weeks).

2014–2016 Ethnobotanical and ethnographical fieldwork in Saaremaa, Estonia (six weeks).

2011–2012 Ethnobotanical fieldworks (wild edible plants), all over Estonia (two months).

2004, 2014, 2015 Botanical fieldwork in Estonia (six weeks). Atlas of the Estonian Flora (published 2005) and new Atlas of the Estonian Flora (online since 2014 <https://ottluuk.github.io/atlas/>).

2002, 2003, 2004 inventory in Estonian Semi-natural communities (six weeks).

2003, 2004 inventory in Estonian Sacred natural sites (one week).

ARCHIVAL AND HERBARIUM WORKS

2010–2019 research in Archives of Estonian National Museum (Tartu) and The Mother Tongue Society Dialect Archives (Tallinn).

2006–2017 Digitalization and systematization of folkloristic data on food and medicinal use of plants in Folklore Archives of Estonian Literary Museum (database HERBA <http://herba.folklore.ee/>)

2005–2017 research in Herbarium of Estonian University of Life Sciences

ORGANISATION OF INTERNATIONAL COURSES AND SCIENTIFIC MEETINGS (co-organizer)

2014 Summer intensive course “Designing and conducting ethnobiological research in Eastern Europe” Saaremaa, Estonia, June 29– July 05, 2014. Institute of Agricultural and Environmental Sciences, Estonian University of Life Sciences.

2010 First Eastern-European regional workshop “Old treasures in the new Europe: the future of ethnobiology in the East and Far East”. Padise, Estonia, 15–18 October 2010.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2017– Member of Estonian National Museum’s Friends Society.

2016 – Member of Estonian Center for Environmental History.

2014 – Member of Society for Economic Botany.

2009– Member of International Society of Ethnobiology.

2004– Member of Estonian Seminatural Community Conservation Association.

POPULARIZATION OF SCIENCE

2011 to today results of work have been repeatedly featured in interviews on national TV news, radio and in daily newspapers. I have published and popularized my scientific field in popular-science journals (e.g. Eesti Loodus, Eesti Mets) and daily newspapers (e.g. Õhtuleht, Sirp).

2007–2017 Over twenty invited lectures to schools and adult education programs in Estonia. Lectures and practical seminars about traditional wild food and medicinal plants.

FELLOWSHIPS AND AWARDS

01.12.2016–30.03.2017 DoRa Plus, mobility support to study at the University of Kent, School of Anthropology & Conservation, Centre for Biocultural Diversity.

20.06.2002 Acknowledgment Letter by Director General of Border Guard Board for excellent public service.

LANGUAGE SKILLS

| | SPEAKING | READING | WRITING |
|-----------|----------|---------|---------|
| ESTONIAN: | fluent | fluent | fluent |
| ENGLISH: | good | good | good |
| RUSSIAN: | good | good | decent |

PARTICIPATION IN RESEARCH AND IMPLEMENTATION PROJECTS

DiGe – Ethnobotany of divided generations in the context of centralization (grant agreement No 714874), University of Gastronomic Sciences, Research Fellow

Narrative and belief aspects of folklore studies (IUT22-5, 2014-2017), Estonian Literary Museum. Other research staff.

Estonian ethnobotany resource publications: interpretation of nature culture. (EKKM14-300, 2014-2017), Estonian Literary Museum. Senior research staff.

Observe the surroundings when Estonia gets 100. (4.1-3/2016/1, 2016), Estonian Literary Museum. PI.

Historical Estonian Botanical Database of Traditional Medicine (HERBA) and Satellite Databases. (EKKM09-84, 2009-2013), Estonian Literary Museum. Senior research staff.

History of Baltic Food Culture: Production, Consumption and Culture in the Light of Environmental History (ETF9419, 2012-2015), Under and Tuglas Literature Centre. Senior research staff.

Diversity, integrity and sustainability of agroecosystems (SF0170052s08, 2008-2013), Estonian University of Life Sciences. Other research staff (Postgraduate).

Narrative aspects of folklore. Power, personality and globalization (SF0030181s08, 2008-2013), Estonian Literary Museum. Other research staff.

Historical Estonian Botanical Database of Traditional Medicine HERBA. (EKRM06-68, 2006-2008), Estonian Literary Museum. Senior research staff.

Folklore of Estonian and other nations: Tradition, Identity and Globalisation (SF0032472s03, 2006-2007), Estonian Literary Museum. Other research staff.

Directional changes in flora of managed natural areas: population and production biology, horology, genetic variability, conservation (SF0362481s03, 2003-2007), Estonian University of Life Sciences. Other research staff (Postgraduate).

PARTICIPATION IN INTERNATIONAL SCIENTIFIC CONFERENCES AND SEMINARS (most important)

Kalle, Raivo; Sõukand, Renata. *From the Need to Acknowledged Choice: Changes in the Use of Wild Edible Plants in Estonia within the Last Two Centuries*. The Second World Congress of Environmental History. 08.–12. July 2014, Guimarães, Portugal.

Kalle, Raivo; Sõukand, Renata. *Possibilities for sustaining traditional and regional food in Estonia through modern food development*. The Third Eastern European Ethnobiology Workshop. 9.–13. October 2013, Kików, Poland.

Kalle, Raivo; Sõukand, Renata. *Wild Plants Eaten in Childhood: Retrospective of 1970s-1990s Estonia*. 54th Annual Meeting of the Society for Economic Botany. 28. June –2. July 2013, Plymouth, UK.

Kalle, Raivo; Sõukand, Renata. *Going green: The re-introduction of wild food plants into Estonian cuisine*. The Return of Traditional Food, SIEF 19th International Ethnological Food Research Conference. 15.–18. August 2012, Lund, Sweden.

Kalle, Raivo; Sõukand, Renata. *Changes in the use of wild food plants in Estonia*. The 13th Congress of the International Society of Ethnobiology. 20.–25. May 2012, Montpellier, France.

Kalle, Raivo; Sõukand, Renata. *Wild plants in Estonian food culture: outline of research sources*. Second Regional Workshop on Eastern European Ethnobiology. 13.–16. October 2011, Királyrét, Hungary.

Kalle, Raivo. *When the Natural Object Itself Becomes the "Space in Between"*. 4th International Conference of the European Society for the History of Science. 18.–20. November 2010, Barcelona, Spain.

Kalle, Raivo. *Landscape and Medicinal Plants*. International Society of Ethnobiology regional workshop on Eastern European Ethnobiology. 15.–17. October 2010 Padise, Estonia.

SELECTED PUBLICATIONS

Peer-reviewed ISIWoS or Scopus journal articles

1. Sõukand, R., Mattalia, G., Kolosova, V., Stryamets, N., Prakofjewa, J., Belichenko, O., Kuznetsova, N., Minuzzi, S., Keedus, L., Prüse, B., Simanova, A., Ippolitova, A., **Kalle, R.** (2020). Inventing a herbal tradition: The complex roots of the current popularity of *Epilobium angustifolium* in Eastern Europe. *Journal of Ethnopharmacology*, 247, 112254, <https://doi.org/10.1016/j.jep.2019.112254>
2. **Kalle, R.**, Belichenko, O., Kuznetsova, N., Kolosova, V., Prakofjewa, J., Stryamets, N., Mattalia, G., Šarka, P., Simanova, A., Prüse, B., Mezaka, I, Sõukand, R. (2020). Gaining momentum: Popularization of *Epilobium angustifolium* as food and recreational tea on the Eastern edge of Europe. *Appetite*, 104638 <https://doi.org/10.1016/j.appet.2020.104638>
3. Sõukand, R., Hrynevich, Y., Vasilyeva, I., Prakofjewa, J., Vnukovich, Y., Paciupa, J., Hlushko, A., Knureva, Y., Litvinava, Y., Vyskvarka, S., Silivonchyk, H., Paulava, A., Kõiva, M., **Kalle, R.** (2017). *Multi-functionality of the few: current and past uses of wild plants for food and healing in Liubań region, Belarus*. *Journal of Ethnobiology and Ethnomedicine*, 13(1):10.
4. Sõukand, R., Hrynevich, Y., Prakofjewa, J., Valodzina, T., Vasilyeva, I., Paciupa, J., Shrubok, A., Hlushko, A., Knureva, Y., Litvinava, Y., Vyskvarka, S., Silivonchyk, H., Paulava, A., Kõiva, M., **Kalle, R.** (2017). *Use of cultivated plants and non-plant remedies for human and animal home medication in Liubań District, Belarus*. *Journal of Ethnobiology and Ethnomedicine*, 13(1):54.
5. Kolosova, V., Svanberg, I., **Kalle, R.**, Strecker, L., Özkan, A.M.G., Pieroni, A., Cianfaglione, K., Molnár, Z., Papp, N., Łuczaj, Ł., Dimitrova, D., Šeškauskaitė, D., Roper, J., Hajdari, A., Sõukand, R. (2017). *The bear in Eurasian plant names: motivations and models*. *Journal of Ethnobiology and Ethnomedicine*, 13(1);14:1–72.

6. **Kalle, R.**, Sõukand, R. (2016). *Current and remembered past uses of wild food plants in Saaremaa, Estonia: changes in the context of unlearning debt*. *Economic Botany*, 70(3):235–253.
7. Sõukand, R., **Kalle, R.** (2016). *Perceiving the biodiversity of food at chest-height: use of the fleshy fruits of wild trees and shrubs in Saaremaa, Estonia*. *Human Ecology*, 44(2):265–272.
8. Volmer, D., Raal, A., **Kalle, R.**, Sõukand, R. (2016). *The use of Panax ginseng and its analogues among pharmacy customers in Estonia: a cross-sectional study*. *Acta Poloniae Pharmaceutica Drug Research*, 73(3):795–802.
9. Sõukand, R., Pieroni, A., Biró, M., Dénes, A., Doğan, Y., Hajdari, A., **Kalle, R.**, Reade, B., Mustafa, B., Nedelcheva, A., Quave, C.L., Łuczaj, Ł. (2015). *An ethnobotanical perspective on traditional fermented plant foods and beverages in Eastern Europe*. *Journal of Ethnopharmacology*, 170:284–296.
10. Sõukand, R., **Kalle, R.** (2015). *Emic conceptualization of a 'wild edible plant' in Estonia in the second half of the 20th century*. *Trames: Journal of the Humanities and Social Sciences*, 19(1):15–34.
11. Sõukand, R., Quave, C.L., Pieroni, A., Pardo-de-Santayana, M., Tardío, J., **Kalle, R.**, Łuczaj, Ł., Svanberg, I., Kolosova, V., Aceituno-Mata, L., Menendez, G., Kołodziejska-Degórska, I., Pirożnikow, E., Petkevičius, R., Hajdari, A., Mustafa, B. (2013). *Plants used for making recreational tea in Europe: a review based on specific research sites*. *Journal of Ethnobiology and Ethnomedicine*, 9(1):58.
12. **Kalle, R.**, Sõukand, R. (2013). *Wild plants eaten in childhood: a retrospective of Estonia in the 1970s–1990s*. *Botanical Journal of the Linnean Society*, 172(2):239–253.
13. Raal, A., Volmer, D., Sõukand, R., Hratkevits, S., **Kalle, R.** (2013). *Complementary Treatment of the Common Cold and Flu with Medicinal Plants – Results from Two Samples of Pharmacy Customers in Estonia*. *PLOS ONE*, 8(3): e58642.
14. Sõukand, R., **Kalle, R.** (2013). *Where does the border lie: locally grown plants used for making tea for recreation and/or healing, 1970s-1990s Estonia*. *Journal of Ethnopharmacology*, 150(1):162–174.
15. **Kalle, R.**, Sõukand, R. (2012). *Historical ethnobotanical review of wild edible plants of Estonia (1770s–1960s)*. *Acta Societatis Botanicorum Poloniae*, 81(4):271–281.
16. Sõukand, R., **Kalle, R.** (2012). *Personal and shared: the reach of different herbal landscapes*. *Estonian Journal of Ecology*, 61(1):20–36.
17. Sõukand, R., **Kalle, R.** (2012). *The use of teetimed in Estonia, 1880s–1990s*. *Appetite*, 59(2): 523–530.
18. Svanberg, I., Sõukand, R., Łuczaj, Ł.J., **Kalle, R.**, Zyryanova, O., Dénes, A., Papp, N., Nedelcheva, A., Kołodziejska-Degórska, I., Šeškauskaitė, D., Kolosova, V. (2012). *Uses of tree saps in northern and eastern parts of Europe*. *Acta Societatis Botanicorum Poloniae*, 81(4):345–357.
19. Łuczaj, Ł., Pieroni, A., Tardío, J., Pardo-de-Santayana, M., Sõukand, R., Svanberg, I., **Kalle, R.** (2012). *Wild food plant use in 21st century Europe: the disappearance of old traditions and the search for new cuisines involving wild edibles*. *Acta Societatis Botanicorum Poloniae*, 81(4):359–370.
20. **Kalle, R.**, Sõukand, R. (2011). *Collectors of Estonian Folk Botanical Knowledge*. *Baltic Journal of European Studies*, 1:213–229.
21. Sõukand, R., **Kalle, R.** (2011). *Change in medical plant use in Estonian ethnomedicine: A historical comparison between 1888 and 1994*. *Journal of Ethnopharmacology*, 135(2):251–260.
22. Sõukand, R., **Kalle, R.** (2010). *Herbal landscape: the perception of the landscape as a source of medicinal plants*. *Trames: Journal of the Humanities and Social Sciences*, 14(3):207–226.
23. Sõukand, R., **Kalle, R.** (2010). *Plant as object within herbal landscape: different kinds of perception*. *Biosemiotics*, 3(3):299–313.
24. Sõukand, R., **Kalle, R.**, Svanberg, I. (2010). *Uninvited guests: traditional insect repellents in Estonia against Clothing Moths *Tineola bisselliella*, Human Fleas *Pulex irritans* and Bedbugs *Cimex lectularius**. *Journal of Insect Science*, 1;10(1):150.

Books

1. Sõukand, R., **Kalle, R.** (2016). *Changes in the Use of Wild Food Plants in Estonia. 18th - 21st Century*. Springer.

2. **Kalle, R.,** Sõukand, R. (2013). *Eesti looduslikud toidutaimed. Kasutamisel 18. sajandist tänapäevani* [Wild edible plants of Estonia. Use from 18th century until modern days]. Tallinn: Varrak.

Chapters in books (In English)

1. **Kalle, R.,** Kass, M. (2020). *Local practice of cattle farming and ethnoveterinary medicine in Estonia: case study of Saaremaa and Muhumaa*. In: McGaw, L.J., Abdalla, M.A. (Ed.s), *Ethnoveterinary Medicine*, pp: 345–374. Springer International Publishing.
2. **Kalle, R.,** Sõukand, R. (2014). *A Schoolteacher with a Mission: Gustav Vilbaste (1885–1967) and ethnobotany in Estonia*. In: Svanberg, I., Luczaj, L. (Ed.s). *Pioneers in European Ethnobiology*, pp. 201–217. Uppsala: Uppsala Universitet.

PhD dissertation

Kalle, R. (2017). *Change in Estonian natural resource use: the case of wild food plants*. (Doctoral Theses of the Estonian University of Life Sciences). Tartu: Eesti Maaülikool.

Peer-reviewed articles in national quality level journals and chapters in books

1. **Kalle, R.** (2018). *Tallermaa, millest oleks võinud kujuneda Doonau äärne Eesti Veneetsia*. Iisaku Kihelkonna Muuseumi Toimetised III. Alutaguse sümbolitest. Iisaku: Iisaku Kihelkonna Muuseum. Pp:75–88.
2. Kalle, R. (2015). *Наследственные пейзажи в Струге раньше и теперь*. Горизонты Эстонии, 11, 86–89.
3. **Kalle, R.,** Bardone, E., Sõukand, R. 2015. *Sibul, kadakas ja küüslauk - toidutaimed ja regionaalne toidukultuur Eestis*. Mäetagused, 59:97–124.
4. **Kalle, R.,** Sõukand, R. (2015). *Eesti etnootaania: materjali kogumise ajalugu, meetodid ja rakendused*. Akadeemia, 27(7):1155–1180.
5. **Kalle, R.,** Sõukand, R. (2013). *Kogumisaktsiooni "Looduslike liikide söömine lapsepõlves 2011" eellugu ja aruanne*. Paar Sammukest XXVIII. Eesti Kirjandusmuuseumi aastaraamat 2011. Tartu: Eesti Kirjandusmuuseumi Teaduskirjastus. Pp:185–193.
6. **Kalle, R.,** Sõukand, R. (2012). *Taevakehad Eesti taimepärimuses*. Universumit uudistades. Paar sammukest XXVI. Eesti Kirjandusmuuseumi aastaraamat. Tartu: Eesti Kirjandusmuuseum. Pp:153–174.
7. **Kalle, R.,** Sõukand, R. (2011). *Eestikeelsete rahvapäraste taimenimedede kategoriseerimine ja selle rakendatavus tänapäeval*. TLÜ teaduskeelekeskuse Vol 1. Eesti teaduskeel ja terminikorrastus. Tallinn: Tallinna Ülikool. Pp: 24–46.
8. **Kalle, R.,** Sõukand, R. (2011). *Gustav Vilbaste kui etnootaani ainese koguja, uurija ja publitseerija*. Emakeele Seltsi aastaraamat, 56(2010):249–268.
9. **Kalle, R.,** Sõukand, R. (2011). *Ajalooline ülevaade eestlaste looduslikest toidu- ja ravimtaimedest*. Metsa kõrvalkasutus Eestis. Akadeemilise Metsaseltsi Toimetised XXV. Tartu: Eesti Metsaselts. Pp:29–44.
10. **Kalle, R.,** Sõukand, R. (2011). *Etnootaania mõiste, materjali kogumise ajalugu ja kogumissoovitused*. Vanavaravedaja, 7:79–92.
11. **Kalle, R.,** Sõukand, R. (2011). *Omanimetus või õige nimetus? Eestlaste ravimtaim tundmise alustest*. Akadeemia, 23(1):62–81.
12. Kalle, R. (2010). *Eesti võõrliikide kajastus taimravipärimuses kuni 1944. aastani*. Akadeemia, 22(1):83–104.
13. **Kalle, R.,** Sõukand, R. (2010). *Sissevaade eestlaste ravimtaimede tundmise mitmekesisusse*. Mäetagused, 45:77–94.
14. Sõukand, R., **Raivo, K.** (2009). *Historistlik Eesti Rahvameditsiini Botaaniline Andmebaas (HERBA): struktuur ja klassifitseerimine*. Paar sammukest XXV. Eesti Kirjandusmuuseumi aastaraamat. Tartu: Eesti Kirjandusmuuseum. Pp:237–253.

15. **Kalle, R.** (2008). *Rahvapäraste taimenimede seosed botaanilise nomenklatuuriga HERBAs*. Mäetagused, 39:53–74.
16. **Kalle, R.** (2007). *Naturaliseerunud ravimtaimed etnobotanika vaatenurgast hariliku katkujuure, hariliku siguri, aedvaagu, aed-mädarõika, hariliku seebilille ja lõhnava kannikese näitel*. Mäetagused, 36:105–128.
17. **Kalle, R.** (2006). *Looduse pärand Narva jõe lähemes*. Schola biotheoretica XXXII. Pärandumuse teooria. Tartu: Eesti Looduseuurijate Selts. Pp:107–113.

Open-access database

Sõukand, R., **Kalle, R.** (2008). *Historistlik Eesti Rahvameditsiini Botaaniline Andmebaas (HERBA)*. [HERBA, the database on Estonian herbal folk medicine.] <http://herba.folklore.ee>. In Estonian.