

## Curriculum Vitae

Personal information **Inga Sile**

### Work experience

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1. Employer: Latvian Institute of Organic Synthesis, Laboratory of Pharmaceutical Pharmacology
  - Start date: 01.2022
  - End date:
  - Position: Researcher
  - Activities:
  - Country: Latvia
2. Employer: Riga Stradins University, Department of Applied Pharmacy
  - Start date: 04.2022
  - End date:
  - Position: Assistant Professor
  - Activities:
  - Country: Latvia
3. Employer: Red Cross Medical College of Riga Stradins University
  - Start date: 11.2016
  - End date:
  - Position: Visiting Lecturer
  - Activities:
  - Country: Latvia
4. Employer: Science and Technology Organisation, Human Factors and Medicine
  - Start date: 07.2020
  - End date: 05.2023
  - Position: National Representative
  - Activities: Diet Supplementation for Military Personnel
  - Country: Latvia
5. Employer: Riga Stradins University, Department of Applied Pharmacy
  - Start date: 09.2017
  - End date: 04.2022
  - Position: Lecturer
  - Activities:
  - Country: Latvia
6. Employer: Latvian Institute of Organic Synthesis, Laboratory of Pharmaceutical Pharmacology
  - Start date: 12.2018
  - End date: 01.2022
  - Position: Research Assistant
  - Activities:
  - Country: Latvia
7. Employer: Riga Stradins University, Department of Applied Pharmacy
  - Start date: 09.2018
  - End date: 12.2020
  - Position: Senior Laboratory Assistant
  - Activities:
  - Country: Latvia
8. Employer: Latvian Institute of Organic Synthesis, Laboratory of Pharmaceutical Pharmacology
  - Start date: 09.2018
  - End date: 12.2018
  - Position: Laboratory Assistant
  - Activities:
  - Country: Latvia
9. Employer: Riga Stradins University, Department of Applied Pharmacy
  - Start date: 01.2016
  - End date: 09.2017
  - Position: Acting Lecturer
  - Activities:
  - Country: Latvia
10. Employer: SIA "A Aptiekas", AS „Santor Farm aptiekas”
  - Start date: 07.2014
  - End date: 09.2018
  - Position: Pharmacist
  - Activities:
  - Country: Latvia
11. Employer: Riga Stradins University, Department of Applied Pharmacy
  - Start date: 09.2014
  - End date: 01.2016
  - Position: Visiting Lecturer
  - Activities:
  - Country: Latvia
12. Employer: SIA "A Aptiekas"
  - Start date: 05.2012
  - End date: 06.2014
  - Position: Pharmacist Assistant
  - Activities:
  - Country: Latvia

1. Subject: Riga Stradins University
  - Start date: 2016
  - End date: 2021
  - Qualification: PhD
  - Organisation: Title of Thesis: Medicinal Plants in the Records of Latvian Folk Medicine and Analysis of Their Practical Applications
  - Country: Latvia
2. Subject: Riga Stradins University
  - Start date: 2009
  - End date: 2014
  - Qualification: Mg. pharm
  - Organisation:
  - Country: Latvia

## Additional information

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### Publications

1. Sile I, Krizhanovska V, Nakurte I, Mezaka I, Kalane L, Filipovs J, Vecvanags A, Pugovics O, Grinberga S, Dambrova M, Kronberga A. Wild\_Grown and Cultivated Glechoma hederacea L.: Chemical Composition and Potential for Cultivation in Organic Farming Conditions // Plants, 2022; 11(6):819. doi.org/10.3390/plants11060819.
2. Krizhanovska V, Sile I, Kronberga A, Nakurte I, Mezaka I, Dambrova M, Pugovics O, Grinberga S. The Cultivation of Chelidonium majus L. Increased the Total Alkaloid Content and Cytotoxic Activity Compared with Those of Wild\_Grown Plants // Plants, 2021; 10(9):1971. doi.org/10.3390/plants10091971.
3. Sile I, Videja M, Makrecka\_Kuka M, Tirzite D, Pajuste K, Shubin K, Krizhanovska V, Grinberga S, Pugovics O, Dambrova M. Chemical composition of Prunus padus L. flower extract and its anti\_inflammatory activities in primary bone marrow\_derived macrophages // J Ethnopharmacol, 2021; 268, 113678. doi: 10.1016/j.jep.2020.113678.
4. Sile I, Romane E, Reinsone S, Maurina B, Tirzite D, Dambrova M. Data on medicinal plants in the records of Latvian folk medicine from the 19th century // Data in Brief, 2020; 28, 105024. doi.org/10.1016/j.dib.2019.105024.
5. Sile I, Romane E, Reinsone S, Maurina B, Tirzite D, Dambrova M. Medicinal plants and their uses recorded in the Archives of Latvian Folklore from the 19th century // J of Ethnopharmacology, 2020; 249, 112378. doi.org/10.1016/j.jep.2019.112378.
6. Jekabsone A, Sile I, Cochis A, Makrecka\_Kuka M, Laucityte G, Makarova E, Rimondini L, Bernotiene, R, Raudone L, Vedlugaite E, Baniene R, Smalinskiene A, Savickiene N, Dambrova M. Investigation of Antibacterial and Antiinflammatory Activities of Proanthocyanidins from Pelargonium sidoides DC Root Extract // Nutrients, 2019; 11, 2829. doi.org/10.3390/nu11112829.

### Projects

- Participation in European Regional Development Fund (ERAF) project Nr. 1.1.1.1/18/A/043 "Innovative solutions for growing technologies and applications of spring medicinal and aromatic plants" (2019–2022)
- Participation in M\_Era.Net project No. S\_M\_ERA.NET\_17\_2. "Engineering and functionalization of delivery system with Pelargonium sidoides biologically active substance on periodontal inflamed surface area", PELARGODONT (2017–2019)

### Memberships

- 2021\_present Member of the Medicine and Health Sciences Expert Commission of the Latvian Academy of Sciences
- 2021\_present Member of the Pharmacists' Society of Latvia 2014\_present Member of the Latvian Pharmacist Association

### Abstracts

- Sile I, Krizhanovska V, Kronberga A, Nakurte I, Mezaka I, Pugovics O, Grinberga S, Dambrova M. Medicinal plants in Latvia: traditional knowledge and future perspectives. 2nd Drug Discovery Conference, Riga, Latvia. September 22\_24, 2022. Book of Abstracts, P.33.
- Sukele R, Skadins I, Sile I, Koka R, Bandere D. Polyphenolic compounds, antibacterial and antioxidant properties of flower and leaf extracts of Tanacetum vulgare. 2nd Drug Discovery Conference, Riga, Latvia. September 22\_24, 2022. Book of Abstracts, P.90.
- Krizhanovska V, Sile I, Nakurte I, Mezaka I, Kalane L, Dambrova M, Pugovics O, Grinberga S, Kronberga A. Evaluation of phytochemical composition and cytotoxic activity of wild grown and cultivated Daphne mezereum extracts: potential of cultivation of the species. 80th International Scientific Conference of the University of Latvia, Innovative and applied research in Biology, Riga, Latvia. February 3, 2022. Book of Abstracts, P.12.
- Sile I, Krizhanovska V, Kronberga A, Nakurte I, Mezaka I, Dambrova M, Pugovics O, Grinberga S. Effect of cultivation practice on the phytochemical profile and biological activity of aqueous ethanol extracts of Chelidonium majus L. 8th European Virtual Congress of Pharmacology (EPHAR 2021), December 6–8, 2021. Contribution ID: 435.
- Krizhanovska V, Sile I, Kronberga A, Nakurte I, Mezaka I, Dambrova M, Pugovics O, Grinberga S. Chemical composition and biological activity of extracts from aerial parts of wild and cultivated Glechoma hederacea L. 8th European Virtual Congress of Pharmacology (EPHAR 2021), December 6–8, 2021. Contribution ID: 445.
- Sile I, Krizhanovska V, Kronberga A, Nakurte I, Mezaka I, Pugovics O, Grinberga S, Dambrova M. Plants in medicine: lessons from the past and future perspective. ROS roundabout \_ many exit options, Final Meeting of the NutRedOx COST Action CA16112, Gdańsk, Poland. September 19–21, 2021. Book of Abstracts, P.27.
- Sile, I., Videja, M., Makrecka\_Kuka, M., Tirzite, D., Pajuste, K., Shubin, K., Krizhanovska, V., Grinberga, S., Pugovics, O., Dambrova, M. Chemical composition, antiradical, anti\_collagenase, and anti\_inflammatory activities of Prunus padus L. flower extract. RSU International Research Conference "Knowledge for Use in Practice" on medical and health care sciences, Riga, Latvia, March 24–26, 2021. Book of Abstracts, P.389.
- Sile I, Makarova E, Makrecka\_Kuka M, Videja M, Savickiene N, Dambrova M. Comparison of antiinflammatory activities of Pelargonium sidoides root extract and isolated proanthocyanidins. FEBS3+ Conference of Latvian, Lithuanian and Estonian Biochemical Societies, Riga, June 17\_19, 2019. Abstract book, P. 91.
- Sile I, Romane E, Reinsone S, Tirzite D, Dambrova M. The use of ethnomedicinal plants in the Latvian\_populated territory. RSU International Conference on Medical and Health Care Sciences: Knowledge for Use in Practice, Riga, April 1\_3, 2019. Abstract book, P.397.
- Sile I, Romane E, Shubin K, Grinberga S, Makarova E, Dambrova M. Analysis of traditional medicinal use in Latvia and chemical composition of flower and fruit extracts of bird cherry. 18th World Congress of Basic and Clinical

Pharmacology, Kyoto, Japan, July 1\_6, 2018.

Sile I, Romane E, Subins K, Grinberga S, Makarova E, Dambrova M. Bird cherry (*Padus avium* Mill.): analysis of chemical composition, antiradical activity and traditional medicinal use in Latvian folk beliefs. IV World Congress of Latvian Scientists, Riga, Latvia, June 18\_20, 2018.

Sukele R, Ardava E, Sile I, Onzevs O. Use of medicines, dietary supplements and herbal drugs in various demographic groups. IV World Congress of Latvian Scientists, Riga, Latvia, June 18\_20, 2018.

Novika D, Sukele R, Ardava E, Onzevs O, Sile I. Use of drugs, dietary supplements and herbal preparations in Latgale and health risks associated with their use. 6th International Student Scientific Research Conference dedicated to Florence Nightingale Research in the Field of Study, Riga, Latvia, May 17, 2018.

Sile I, Romane E, Subins K, Grinberga S, Makarova E, Dambrova M. Analysis of chemical composition of bird cherry (*Padus avium* Mill.) flowers and fruits and traditional medicinal use recorded in Latvian folk beliefs. Riga Stradins University Scientific Conference. Riga, Latvia, 2018. Abstract book, P. 199.

Sile I, Romane E, Shubin K, Grinberga S, Dambrova M. Analysis of chemical composition and traditional medicinal use in Latvia of bird cherry flowers *Padus avium*. 2nd International Conference in Pharmacology: from Cellular Processes to Drug Targets, Riga, Latvia, Oct 19\_20, 2017. Abstract book: Intrinsic Activity. 5 (Suppl.1):A2.33 doi:10.25006/IA.5.S2\_A2.33.

Sile I, Reinsone S, Romane E, Dambrova M. Medicinal Plants in Latvian Folk Beliefs. Riga Stradiņš University Scientific Conference. Riga, Latvia, 2017. Abstract book, P. 234. Onzevs O, Ardava E, Brodecka J, Ozols J, Sile I. Timing analysis of pharmaceutical care provided in pharmacy. XVII Turība University Conference: Competitive Enterprises in a Competitive Country. Riga, Latvia, 2016. Abstract book, P.312.

Sile I, Ardava E, Onzevs O. Medication Therapy Management and Research of its Necessity in Selected Community Pharmacies of Latvia. Riga Stradiņš University Scientific Conference. Riga, Latvia, 2013. Abstract book, P.369.

## Other Relevant Information