

**1-2. PERSONAL DETAILS**

**Name**

Korhonen, Jaana Elina

**Current place of living**

Raleigh, North Carolina

**Contact information**

E-mail: korjaana@gmail.com, Mobile:

+19848104936

Home address: 5431 Silver Moon Lane, 27606 Raleigh, NC

**3. CURRENT POSITION**

Research Fellow. Oak Ridge Institute for Science and Education (ORISE). U.S. Department of Agriculture Forest Service, Forest Policy and Economics Team. 09/2021 – ongoing

Member of the editorial board in Forest Policy and Economics 05/2023 - ongoing

Scientific board member in Journal of Forest Business Research 03/2022 -ongoing

Steering committee member of Women Forest Congress 07/2023-ongoing

Affiliated with several International Union of Forest Research Organization (IUFRO) activities and workgroups.

**4. EDUCATION**

**Ph.D. Forest Economics and Marketing** (Forest industry marketing and management), University of Helsinki, Finland  
05/2016

Dissertation topic: (On the high road to future forest sector competitiveness,

Grade: Pass with distinction)

Supervisors: Professor Anne Toppinen (University of Helsinki, Finland); Professor (emeritus) Jari Kuuluvainen (University of Helsinki, Finland); Professor Frederick Cabbage (North Carolina State University, USA)

**M.Sc. (Forestry)**

08/2012

North Carolina State University, USA

Thesis title: Factors contributing direct investment in forest plantations

Supervisors: Professor Frederick Cabbage (NCSU, chair), Professor Robert Abt (NCSU), Dr. Jeffrey Prestemon (USDA)

**M.Sc. (Forest resource and environmental economics)**

12/2012

University of Helsinki, Finland

Supervisor: Professor Anne Toppinen

Thesis title: Factors contributing direct investment in forest plantations

Grade: Pass (North Carolina State University) / Magna cum Laude (University of Helsinki)

Major GPA: 3.8/4 (North Carolina State University), 5/5 (University of Helsinki).

**B.Sc. (Forest economics) 09/2009**

University of Helsinki, Finland

Thesis title: The choice of interest rate of forest owner (In Finnish).

Grade 5/5. Major GPA: 5

## **5. PREVIOUS PROFESSIONAL APPOINTMENTS**

Postdoctoral researcher in Academy of Finland funded project “Orchestrating consumer-driven bioeconomy”, University of Helsinki. 04/2017–04/2020  
(exempted 10/2019-12/2019).

Member of Helsinki Institute of Sustainability Science (HELSUS), University of Helsinki, Finland. (05/2018–09/2021)

Postdoctoral researcher in “Forest sector renewal and future competencies”, LUT-University, School of business and management, appointment period 10/2019-12/2019.

Visiting Postdoc Researcher, Norwegian University of Life Sciences, Norway, 2 weeks, 03/2019.

Visiting Postdoc Researcher, Oregon State University, USA, 2 months, 08/2016 – 10/2016.

Postdoctoral researcher in Academy of Finland funded project “Searching for sustainable and competitive future for the forest sector”, University of Helsinki. 06/2016 – 02/2017

Consulting review for FAO related to Global Forest sector outlook 2050 Assessing future demand and sources of timber for a sustainable economy. 06/2022.

Consulting reviews for Right and Resources Initiative regarding landuse in Finland, Washington, DC. 2017-2019.

Intern at the Food and Agricultural Organization of United Nations, Rome, Italy, 05/2012–08/2012

Young researcher vice representative in Research and Infrastructure committee of Faculty of Agriculture and Forest Sciences, University of Helsinki, Finland. 09/2018–04/2020.

Student representative in the AGFOREE-research school steering group 10/2013–10/2015

Student member of steering group of the department of forest economics 1/2008–3/2010

## **5.2 SOFTWARE SKILLS**

STATA (advanced), SPSS (advanced/basics), R (advanced/basics), SAS (basics), GIS (basics), NVivo (advanced/basics)

## **5.3 LINGUISTIC SKILLS**

Finnish (Mother tongue)  
English (Full Professional Proficiency)  
Swedish (Moderate)  
German (Moderate)  
Spanish (Beginner)

## **6. ACADEMIC AWARDS AND HONOURS**

Best Ph.D. dissertation award in 2016 by Society of forest sciences in Finland.

## **7. FUNDING MERITS**

### **7.1 ACQUIRED PROJECT FUNDING (as a PI, co-PI and co-applicant/collaborator, total 2.2 million dollars)**

#### **Identifying opportunities for cross-jurisdictional stewardship of threatened mature and old growth forests**

(co-applicant/collaborator, PIs: dr. Chris Mihlar and dr. Anna Overby)

**\$460000**      2024

#### **Effectiveness of Fire Prevention Programs on Human-Caused Wildfire Ignitions on Tribal Land** (co-applicant/collaborator, PI: dr. Sonia Bruck)

**\$118000**      2024

#### **Montreal Process Indicator work on Capital Investment and Annual Expenditure** (co-applicant/collaborator PI, administrative PI: dr. Greg Frey)

**\$15000**      2023

**Cross-border Innovation Systems in Sustainable Use of Natural Resources: a comparative case study** 30000 € 2018

Seed funding grant from the Helsinki Institute for sustainability science, to develop research project for larger funding call about building up a resilient regional innovation system (PI: Jaana Korhonen).

**Perceiving the Forest-based Sector in the Bioeconomy** 99000 € 2018

Funding received from the European Forest Institute networking fund. A part of the project consortium of eight international partner organizations (co-applicant, PI at the University of Helsinki: Lauri Valsta).

**Impact of structural market changes on competitiveness of the Finnish forest industry** 15000 € 2017

Fund received from Metsäteollisuustuotteiden vientikaupan edistämissäätiö to employ two M.Sc students for thesis work. (PI: Jaana Korhonen and Elias Hurmekoski).

**Orchestrating consumer-driven bioeconomy (ORBIT),** 1,3 mill. € 2017–2020

Co-applicant, funding from Biofuture2025 programme of Academy of Finland (PI: Anne Toppinen). Policy and market analysis for evaluating development of biobased sectors.

**Competitiveness of Finnish forest sector: influence of globalization and international policies on operating environment and competition (KILPO),** 368 000 € 2012–2016.

Co-applicant, research project funding from Metsämiesten säätiö (PI: Anne Toppinen)

## 7.2. RECEIVED FUNDING FOR EDUCATION ACTIVITIES

**The Nordic Forestry, Veterinary and Agricultural University Network**

12000 € 2017

Doctoral Course: Advanced course of innovation systems in circular bioeconomy, Helsinki, 19.8.-23.8.2019 (co-applicant)

**The Nordic Forestry, Veterinary and Agricultural University Network**

10000 € 2017

Doctoral Course: Innovation systems in the bioeconomy, Helsinki, 28.8.-1.9.2017 (co-applicant)

## 7.3 PERSONAL GRANTS

**Forest sector renewal and sustainability management**

63000 € 2019

Personal postdoctoral grant to enhance internationalization of Finnish postdocs to visit North Carolina State University (host: Marko Hakovirta) for a year 2020-2021 (postponed due to the Covid-19 pandemic). *(Finally declined due to taking up USDA opportunity).*

## 8. LIST OF PUBLICATIONS

### PUBLICATIONS

#### REFEREED JOURNALS

1. **Korhonen, J.**, Dahl, J., Dowtin, A. L., & Rathbun, L. (2025). Culture change in the Forest sector: Insights from a participatory workshop at the Women's Forest congress. *Forest Policy and Economics*, 172, 103438.
2. Cubbage, F., Davis, R., **Korhonen, J.**, Nepal, P., & Kanieski da Silva, B. (2025). Comparative assessment of global wood fiber and forest carbon sequestration prospects. *Journal of Forest Business Research*, 4(1), 1–36. <https://doi.org/10.62320/jfbr.v4i1.66>
3. **Korhonen, J.**, Panwar, R., Henderson, J., Fernholz, K., Leggett, Z., Meyer, E., & Bhuta, A. A. (2024). Gaps in diversity representation and data insufficiencies in the US forest sector workforce analysis. *Trees, Forests and People*, 15, 100486.
4. **Korhonen, J.**, & Frey, G. (2023). Forest sector investment in the United States-trends and implications of capital investment and annual expenditure. *Journal of Forest Business Research*, 2(2), 114-145.
5. Ruippo, L., Koivula, H., **Korhonen, J.**, Toppinen, A., & Kylkilahti, E. (2023). Innovating for sustainability: attributes, motivations, and responsibilities in the Finnish food packaging ecosystem. *Circular Economy and Sustainability*, 3(2), 919-937.
6. **Korhonen, J.**, Henderson, J. D., & Prestemon, J. (2023). National forest timber bids and export price interlinkages in the USA: The bounds testing approach. *Forest Policy and Economics*, 152, 102987.
7. Malkamäki, A., **Korhonen, J.**, Berghäll, S., Rustas, C.B., Bernö, H., Carreira, A., D'Amato, D., Dobrovolsky, A., Giertliová, B., Holmgren, S. and Mark-Herbert, C., 2022. Public perceptions of using forests to fuel the European bioeconomy: Findings from eight university cities. *Forest Policy and Economics*, 140, p.102749.
8. Luhas, J., Mikkilä, M., Kylkilahti, E., Miettinen, J., Malkamäki, A., Pätäri, S., **Korhonen, J.**, Pekkanen, T.L., Tuppurä, A., Lähtinen, K. and Autio, M., 2021. Pathways to a forest-based bioeconomy in 2060 within policy targets on climate change mitigation and biodiversity protection. *Forest Policy and Economics*, 131, p.102551.
9. **Korhonen, J.**, Miettinen, J., Kylkilahti, E., Tuppurä, A., Autio, M., Lähtinen, K., Pätäri, S., Pekkanen, T.L., Luhas, J., Mikkilä, M. and Linnanen, L., 2021. Development of a forest-based bioeconomy in Finland: Insights on three value networks through expert views. *Journal of Cleaner Production*, 299, p.126867.
10. Aaltonen, A., Hurmekoski, E. and **Korhonen, J.**, 2021. What About Wood?—“Nonwood” Construction Experts' Perceptions of Environmental Regulation, Business Environment, and

Future Trends in Residential Multistory Building in Finland. *Forest Products Journal*, 71(4), pp.342-351.

11. **Korhonen, J.**, Nepal, P., Prestemon, J.P. and Cubbage, F.W., 2021. Projecting global and regional outlooks for planted forests under the shared socio-economic pathways. *New Forests*, 52(2), pp.197-216.
12. **Korhonen, J.**, Koskivaara, A., Makkonen, T., Yakusheva, N. and Malkamäki, A., 2021. Resilient cross-border regional innovation systems for sustainability? A systematic review of drivers and constraints. *Innovation: The European Journal of Social Science Research*, 34(2), pp.202-221.
13. Kuuluvainen, J., **Korhonen, J.**, Wang, L. and Toppinen, A., 2021. Wood market cartel in Finland 1997–2004: Analyzing price effects using the indicator approach. *Forest Policy and Economics*, 124, p.102380.
14. Matthies, B., **Korhonen, J.** and Toppinen, A., 2020. Current and future research themes in forest sector competitiveness: Case study of research orientations at the University of Helsinki. *BioProducts Business*, 5(8), pp.87-106.
15. Cubbage, F., Kanieski da Silva, B., Rubilar, R., Bussoni, A., Morales Olmos, V., Balmelli, G., Mac Donagh, P., Lord, R., Hernández, C., Zhang, P., Huang, J., **Korhonen, J.**, Yao, R., Hall, P., De La Torre, R., Diaz-Balteiro, L., Carrero, O., Monges Zalazar, E., Tran, H., Frey, G., Howard, M., Chavet, M., Mochan, S., Hoeflich, V., Chudy, R., Maass, D., and Chizmar, S., Abt, B. 2020. Global timber investments, 2005 to 2017. *Forest Policy and Economics*, 112, p.102082.
16. **Korhonen, J.**, Tuppur, A., Jantunen, A., Pätäri, S. and Toppinen, A., 2020. What do the 17-18-year-olds think about the forest-based business in Finland (*In Finnish*). *Metsätieteen Aikakauskirja*. 10327. <https://doi.org/10.14214/ma.10327>
17. Baublyte, G., **Korhonen, J.**, D’Amato, D., and Toppinen, A. 2019. “Being one of the boys”: perspectives from female forest industry leaders on gender diversity and the future of Nordic forest-based bioeconomy. *Scandinavian Journal of Forest Research*. doi:10.1080/02827581.2019.1598484.
18. Nepal, P., **Korhonen, J.**, Prestemon, J.P., and Cubbage, F.W. 2019. Projecting Global and Regional Forest Area under the Shared Socioeconomic Pathways Using an Updated Environmental Kuznets Curve Model. *Forests*. 10(5), 387, doi:10.3390/f10050387.
19. Nepal, P., **Korhonen, J.**, Prestemon, J.P., and Cubbage, F.W. 2019. Projecting global planted forest area developments and the associated impacts on global forest product markets. *Journal of Environmental Management*. 240:421-430. doi:10.1016/j.jenvman.2019.03.126.
20. D’Amato, D., **Korhonen, J.**, and Toppinen, A. 2019. Circular, Green, and Bio Economy: How Do Companies in Land-Use Intensive Sectors Align with Sustainability Concepts? *Ecological Economics*. doi:10.1016/j.ecolecon.2018.12.026.

21. Hurmekoski, E., Jonsson, R., **Korhonen, J.**, Jänis, J., Mäkinen, M., Leskinen, P., and Hetemäki, L. 2018. Diversification of the forest industries: role of new wood-based products. *Canadian Journal of Forest Research*. 48 (12), 1417-1432.
22. **Korhonen, J.**, Giurca, A., Brockhaus, M., and Toppinen, A. 2018. Actors and politics in Finland's forest-based bioeconomy network. *Sustainability*. 10(10); 3785. doi:10.3390/su10103785.
23. **Korhonen, J.**, Koskivaara, A., and Toppinen, A. 2018. Riding a Trojan horse? Future pathways of the fiber-based packaging industry in the bioeconomy. *Forest Policy and Economics*. doi:10.1016/j.forpol.2018.08.010.
24. **Korhonen, J.**, Toppinen, A., Kuuluvainen, J., Prestemon, J., and Cubbage, F. 2017. Recycling, Certification, and International Trade of Paper and Paperboard: Demand in Germany and the United States. *Forest Science*. 63 (5), 449-458.
25. **Korhonen, J.**, Hurmekoski, E., Hansen, E., and Toppinen, A. 2017. Firm-level competitiveness in the forest industries: Review and research implications in the context of bioeconomy strategies. *Canadian Journal of Forest Research*. 48 (2), 141-152.
26. D'Amato, D., Droste, N., Allen, B., Kettunen, M., Lähtinen, K., **Korhonen, J.**, Leskinen, P., Matthies, B., and Toppinen, A. 2017. Green, Circular, Bio economy: a comparative analysis of sustainability concepts. *Journal of Cleaner Production*. 168, 716-734.
27. Kuuluvainen, J., **Korhonen, J.**, Xu, D., and Toppinen, A. 2017. Price integration for domestic and imported sawlogs and pulpwood in Finland: an update. *Scandinavian Journal of Forest Research*. *Scandinavian Journal of Forest Research*. 33 (1), 71-80.
28. Pätäri, S., Tuppurä, A., Toppinen, A., and **Korhonen, J.** 2016. Global sustainability megaforces in shaping the future of the European pulp and paper industry towards the bioeconomy. *Forest Policy and Economics*. 66: 38–46.
29. Matthies, B.D., D'Amato, D., Berghäll, S., Ekholm, T., Hoen, H.F., Holopainen, J., **Korhonen, J.**, Lähtinen, K., Mattila, O., Toppinen, A., Valsta, L., Wang, L., and Yousefpour, R. 2016. An Ecosystem Service-Dominant Logic? – Integrating the ecosystem service approach and the service-dominant logic. *Journal of Cleaner Production*. 124, 51-64.
30. **Korhonen, J.**, Zhang, Y., Toppinen, A. 2016. Examining timberland ownership and control strategies in the global forest sector. *Forest Policy and Economics*. 70: 39–46.
31. **Korhonen, J.**, Tuppurä, A., Toppinen, A., and Pätäri, S. 2015. The role of environmental regulation in the future competitiveness of the pulp and paper industry: the case of the sulfur emissions directive in Northern Europe. *Journal of Cleaner Production*. 108: 864–872.
32. **Korhonen, J.**, Toppinen, A., Cubbage, F. and Kuuluvainen, J. 2014. Factors driving investment in planted forests: a comparison between OECD and non-OECD countries. *International Forestry Review*. 16 (1): 67-77.

## PEER-REVIEWED BOOK CHAPTERS/TECHNICAL REPORTS

1. **Korhonen, J.**, Frey, G. 2025. Indicator 6.34: value of capital investment and annual expenditure in forest management, wood and nonwood product industries, forest-based environmental services, recreation, and tourism, 2020. FS-Indicator-6.34-2030. Washington, DC: U.S. Department of Agriculture, Forest Service. xx p. <https://doi.org/10.2737/FS-Indicator-6.34-2030>.
2. Hansen, E., **Korhonen, J.**, Panwar, R., and Hakovirta, M. In press. The quandary of sustainability-oriented innovations in (eds D'amato, D., Toppinen, A., Kozak, R.). The Role of Business in Global Sustainability Transformations. Routledge.
3. Freer-Smith, P.H., Muys, B., Bozzano, M., Drössler, L., Farrelly, N., Jactel, H., **Korhonen, J.**, Minotta, G., Nijnik, M. and Orazio, C. 2019. Plantation forests in Europe: challenges and opportunities. From Science to Policy 9. European Forest Institute.
4. Toppinen, A., **Korhonen, J.**, Hurmekoski, E., Hansen, E. 2018. What makes a European forest-based bioeconomy competitive? in (eds. Winkel, G) *What science can tell Us?* pp. 96–102. European Forest Institute.
5. Tissari, J. and **Korhonen, J.** 2012. Carbon markets, 2011-2012. In Forest Products Annual Market Review 2011-2012, pp.117-128. 10.18356/6be0afc5-en

## SPECIAL ISSUE EDITORIAL

1. **Korhonen, J.**, Tanger, S. M., & Pokharel, R. (2024). Trends in US forest business sector and market research. *Forest Policy and Economics*, 160, 103160.