

Andreja Kutnar
Professor, University of Primorska & Director, InnoRenew CoE,
Slovenia
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1. EDUCATION (degree, year awarded, institution, primary focus/major)

- 2008 **Doctor of Philosophy**, Biotechnical Faculty, Department of Wood Science and Technology, University of Ljubljana, Slovenia.
- 2003 **Bachelor of Science**, Biotechnical Faculty, Department of Wood Science and Technology, University of Ljubljana, Slovenia.

2. EMPLOYMENT EXPERIENCE

- 01/2009 – present University of Primorska, Koper, Slovenia
- 09/2017 – present InnoRenew CoE, Izola Slovenia.
- 04/2010 – 01/2012 Institute of Wood Science and Technology and Sustainable Development, Ljubljana, Slovenia.
- 06/2009 – 03/2010 Department of Wood Science and Engineering, Oregon State University, Corvallis, USA.

3. STUDENTS MENTORED (past four years)

- Main supervisor: Michael David Burnard, University of Primorska, “Wood as an element of restorative environmental design”, completed in April 2018
- Secondary supervisor: Boštjan Vimpolšek, University of Maribor, “Design and analysis of a model for management of wood, which is municipal waste”, completed in June 2019
- Secondary supervisor: Doroteja Vnučec, University of Maribor, “Development of soy adhesive for bonding wood according to the principles of the concept of Cradle to Cradle”, completed in June 2020

4. PRIMARY RESEARCH AREA WITH UP TO FOUR CURRENT RESEARCH PROJECTS

Wood composites, thermo- hydro-mechanical treatment of wood, adhesive bonding, and environmental impact assessment of new materials, products, and technologies from origin, manufacturing, use/alteration to reuse or recycle. Current research projects:

- J4-1767 **Selective extraction of high value molecules from forest products processing residues in the speciality chemicals sector**, 1. 7. 2019 – 30. 6. 2022 (Principal investigator)
- N1-0093 Bilateral Hungarian and Slovenian Cooperation with NKFIH – National Research, Development and Innovation Office (Institute for Computer Science and Control, Hungarian Academy of Sciences): **Optimisation for sustainable supply chains**, 1. 4. 2019 – 31. 3. 2022 (Principal investigator)
- H2020 Teaming Phase 2 **Renewable materials and healthy environments research and innovation centre of excellence** (InnoRenew CoE). Andreja Kutnar coordinator; 1. 4. 2017 – 30. 9. 2023 (Principal investigator)

5. PROFESSIONAL ACTIVITIES AND ACHIEVEMENTS (Memberships, Editorial boards, professional society leadership roles, awards, honors)

INSTITUTIONAL RESPONSIBILITIES

2020 – present Member of the **Advisory Committee on Climate Policy for the President of the Republic of Slovenia**

2019 – 2023 Member of the **Science and Technology Council of the Republic of Slovenia** (appointed by Slovenian Government)

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2020 – 2021 **President** of the Society of Wood Science and Technology, USA

2015 – 2019 **Management Committee Chair** of the COST Action [FP1407 “Understanding wood modification through an integrated scientific and environmental impact approach \(ModWoodLife\)”](#)

2018 – present **Member** of the Young Academy of Europe

FELLOWSHIPS AND AWARDS

2021 Fellow of the **International Academy of Wood Science (IAWS)**

2018 **“Zois Certificate of Recognition”** for excellence scientific achievements in wood science (Received from the Republic of Slovenia).

2017 Award for **excellence scientific achievements** (Award received from University of Primorska, Slovenia).

2016 Recognition of **“Prometheus of Science for excellence in communication”** for a successful multi-level communication in wood sciences and supporting the enforcement of the sustainable development paradigm (Slovenia).

2015 **Honor Role** for excellent scientific achievements (Award received from University of Primorska, Slovenia).

2009 **“Jesenko award” for the best PhD student graduating** in the year 2008 (Award received from Biotechnical faculty, University of Ljubljana, Slovenia).

6. PUBLICATIONS (3-5 most important contributions (publications, seminars, graduates, etc.))

KUTNAR, Andreja, KAMKE, Frederick A., ŠERNEK, Milan. Density profile and morphology of viscoelastic thermal compressed wood. *Wood Science and Technology*, ISSN 0043-7719, 2009, vol. 43, no. ½: 57-68
SANDBERG, Dick, KUTNAR, Andreja, KARLSSON, Olov, JONES, Dennis. *Wood modification technologies : principles, sustainability, and the need for innovation*. 1st ed. Boca Raton: CRC Press: Taylor & Francis, cop. 2021. X, 431 p.

KITEK KUZMAN, Manja, KUTNAR, Andreja. *Contemporary Slovenian timber architecture for sustainability*, (Green energy and technology). Cham [etc.]: Springer, cop. 2014. XIX, 163 p.

KUTNAR, Andreja, O'DELL, Jane, HUNT, Christopher, FRIHART, Charles R., KAMKE, Frederick A., SCHWARZKOPF, Matthew. Viscoelastic properties of thermo-hydro-mechanically treated beech (*Fagus sylvatica* L.) determined using dynamic mechanical analysis. *European journal of wood and wood products*, ISSN 0018-3768. [Print ed.], 2021, vol. 79, iss. 2: 263-271

KANTNER, Wolfgang, ZICH, Thomas, SCHWARZKOPF, Matthew, BURNARD, Michael David, MIKULJAN, Marica, KUTNAR, Andreja. *Method for preparation of densified wood article : EP19204677.9*. München: European Patent Office, 2019