

**Name: Dr. Róbert Németh Ph. D.**

Place of birth: Sopron

Date of birth: 09.05.1971.

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**Nationality:** Hungarian

**Education:**

Graduate in wood engineering, Faculty of Wood Science and Technology, University of Sopron, Sopron, 1994.

Ph.D. Material Sciences, University of West Hungary (NYME), Sopron, 2003.

Topic of thesis: Sorption properties of hydrothermal treated Robinia wood.

Dr. habil., University of West Hungary, Sopron, 2011

Professor, University of West Hungary, Sopron, 2014

**Languages spoken:** German, English, Hungarian

**Working places, positions:**

1994–1997	NYME Inst. of Wood Science,	Ph.D Studnet
1996–1998	NYME Inst. of Wood Science	research associate
1998–2001	NYME Inst. of Wood Science	assistant prof.
2001–2003	NYME Inst. of Wood Science	senior lecturer
2003–2014	NYME Inst. of Wood Science	assoc. professor
2014–	NYME Inst. of Wood Science	professor
2010–	NYME Inst. of Wood Science	head of the institute
2013–2015	NYME Simonyi Károly Faculty	vice dean
2015–	NYME	vice rector for research and int. affairs

**Research activities:**

Wood modification (thermal and chemical), Drying of wood, Plantation timber's utilisation, Hardwoods, Product testing / development.

**Publication activities:**

<https://vm.mtmt.hu/search/slist.php?lang=0&AuthorID=10012246>

**Other activities:**

Management committee member in:

COST E10 Wood Properties for Industrial Use (2000-2002)

COST E15 Advances In Drying Of Wood (2003-2004)

COST E37 Sustainability Through New Techn. For Enhanced Wood Durability (2004-)

COST E44 Wood Processing Strategy (2004- )

- COST E53            Quality Control for Wood and Wood Products (2006-    )
- COST FP0904      Thermo-Hydro-Mechanical Wood Behaviour and Processing (2011-2014)
- COST FP1006      Bringing new functions to wood through surface modification (2011-2015)
- COST FP1303      Performance of bio-based building materials (2014-.....)
- COST FP1407:     Understanding wood modification through an integrated scientific and  
environmental impact approach (2014-.....)

Leading the working group of “Solid Wood Products” in COST E44 (2004-    )

**Coordinated research projects:**

- EU7 Craft Project: "Innovation for Beech" (2004-2007).
- Sordiwood – Sofa - Sorption and diffusion of water in wood” Slovak – Hungarian bilateral project –exchange of professors and students. (2005-2007)
- Leonardo Project: "Mobility of technical knowledge in the field of woodworking" (2007-2010).
- “Environment conscious energy efficient building TAMOP-4.2.2.A–11/1/KONV-2012-0068 – Environmental friendly materials. (2012-2015).
- TÉT\_12\_DE-1-2013-0017 Bilateral DE-HU (Göttingen-Sopron) Project „Structural changes in wood due to thermal influences” (2015-2016)
- TÉT\_12\_SK-1-2013-0035 Bilateral SK-HU (Zvolen-Sopron) Project “Effects of pre-treatment on wood surface properties and performance” (2015-2016)
- TÉT\_12\_MA-1-2013-0022 Bilateral MA-HU (Marakesh-Sopron) Project : Influence of the proportion of wood on the mechanical and thermal properties of clay-wood matrix (2015-2016)

**Editorials:**

- Wood Research, Slovakia
- Holztechnologie, Germany
- Pro Ligno, Romania
  
- Member of doctoral board at the TU Zvolen, Slovakia

**Teaching activities:**

Wood physics, Wood anatomy, Wood utilisation, Drying and modification of wood, Ecological value of wood, Wood quality, Material science for engineers, Wood-water relations

**Opponent in international education field (PhD thesis):**

- Universität für Bodenkultur Wien: Wilfried Beikircher 2009: „Bruchmechanische Untersuchungen von thermisch modifizierter Buche (Fagus Sylvatica) unter Mode I Belastung bei unterschiedlichen Materialfeuchten
- Universität für Bodenkultur Wien: Oliver Vay 2013: „Einfluss der Struktur des Holzes auf Feuchte- und Wärmetransport-Eigenschaften“
- Linnaeus University Faculty of Technology Sweden: Stefan Stenudd 2013: Colour Response In Drying Of Nordic Hardwoods.
- Aalto University, Finland and Arts et Metiers, Paris Tech, France: Anna Dupleix 2013: Feasibility of wood peeling assisted by infrared
- Universität für Bodenkultur Wien: Hermann Pleschberger 2013: assivholzcharakterisierung nach hydrothermischen Prozessen
- Mendel University in Brno: Petr Čermák 2013: Thermal Modification of Wood: Process and Properties
- Lappeenranta UT: Hyvärinen, Marko 2014: Ultraviolet light protection and weathering properties of wood-polypropylene composites

**PhD-s finished: 2**

- Cserta Erzsébet (2012)
- Bak Miklós (2012)

**Currently supervised PhDs: 4**

Sopron, 03.13.2015.

Prof. Dr. Róbert Németh