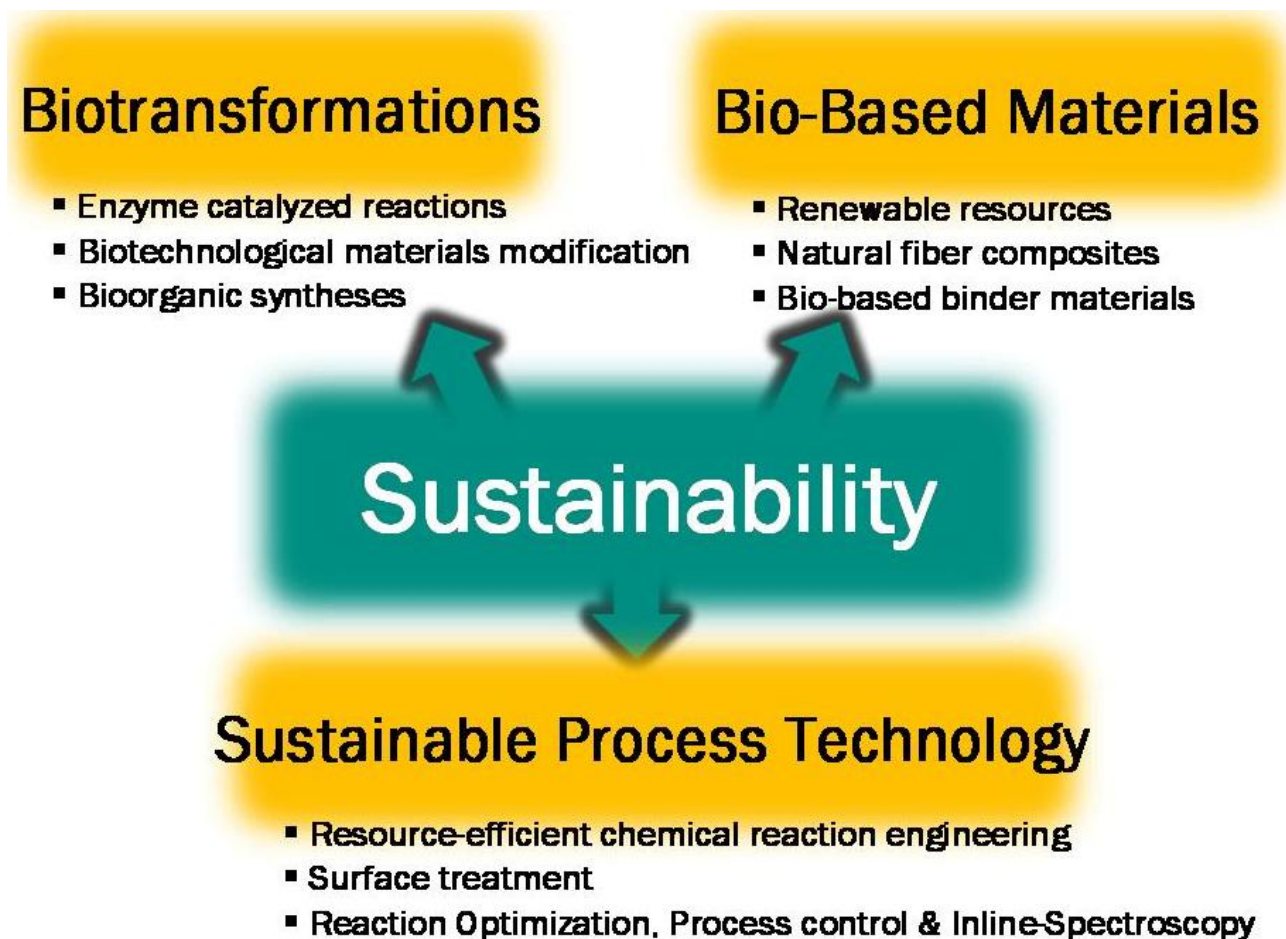




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**Forschungsschwerpunkte:**



**Vorlesungen:**

- • Advanced Materials
- • Oberflächen- und Grenzflächenchemie
- • Anorganische Chemie
- • Qualitätsmanagement

## **Praktika:**

- • Advanced Materials
- • Qualitative Anorganische Analytik

## **Forschungsschwerpunkte:**

- • Verbundwerkstoffe
- • Biobased Materials
- • Biotransformations
- • Grenzflächen und Oberflächen
- • Beschichtung

## **Laufbahn**

- 2009                    Berufung an die HS Reutlingen, Angewandte Chemie
- 2006 – 2009            Universität für Bodenkultur, Wissenschaftlicher Mitarbeiter  
Key Researcher Oberflächentechnologie der Kompetenzzentrum Holz GmbH  
in St. Veit / Glan, Wood Carinthian Competence Centre (W3C)
- 2005 – 2006            Kompetenzzentrum Holz GmbH, Stellvertretender Bereichsleiter  
& Senior Researcher für den Bereich St. Veit / Glan "Naturfaserwerkstoffe"
- 2002 – 2005            FunderMax GmbH, Projektleiter von Forschungsprojekten  
Forschungsbereiche "Naturfaserverbundwerkstoffe", "Imprägniertes Papier und  
Laminat" und "Prozessanalytik und -optimierung"
- 2000 – 2003            Technische Universität Graz, Österreich  
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## Wissenschaftliche Publikationen von Prof. Dr. Andreas Kandelbauer

### Peer-reviewed Scientific Journal Articles

1. Jocham C, Wuzella G, Schmidt TW, Teischinger A, Kandelbauer A (2011) Adhesion improvement of powder coating on medium density fibreboard (MDF) by thermal pretreatment, *Journal of Adhesion Science and Technology* (accepted manuscript)
2. Wuzella G, Kandelbauer A, Mahendran AR, Teischinger A (2011) Thermochemical and isoconversional kinetic analysis of a polyester-epoxy hybrid powder coating resin for wood based panel finishing. *Progress in Organic Coatings* (accepted manuscript)
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53. Widsten P, Kandelbauer A (2009) Biotechnologische Modifikation von Lignin. In: Fachagentur Nachwachsende Rohstoffe e.V. (Ed.) Gülzower Fachgespräche Band 31 (March 10, 2009) 10–17, Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz, Berlin, Germany, ISBN: 978-3-9803927-7-8
54. Kandelbauer A, Cavaco-Paulo A, Gübitz GM (2007) Biotechnological treatment of textile dye effluents. In: Christie, RM (Ed.) Environmental Aspects of Textile Dyeing, 212 – 231; Woodhead, Cambridge, England; ISBN 1845691156
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## **Other scientific publications**

### **(Conference Proceedings, journal articles, multi-media, etc.)**

60. Jocham C, Schmidt TW, Kandelbauer A, Wuzella G (2010) Powder Coating Medium Density Fibreboards (MDF) – Analysis of the pre-heating process, In: Proceedings of PRA´s 7th International Woodcoatings Congress, "Reducing the environmental footprint", October 12 – 13, 2010, Amsterdam, The Netherlands, ISBN 978-0-9561357-2-8 (CD-ROM), Hampton, Middlesex, UK, P17, 1–10
61. Kandelbauer A, Wuzella G, Dolezel-Horwath E, Kessler RW (2010) On-line determination of material properties in laminates manufacture by NIR spectroscopy. In: Teischinger A, Barbu MC, Dunky M, Harper D, Jungmeier G, Militz H, Musso M, Petutschnigg A, Pizzi A, Wieland S, Young TM (Eds.) Proceedings of 1st International Conference on Processing Technologies for the Forest and Biobased Products Industries (PTF BPI 2010), October 6 – 8 2010, Salzburg University of Applied Sciences, Kuchl, Austria, 34–36
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65. Mahendran AR, Aust N, Wuzella G, Kandelbauer A (2010) Synthesis and characterization of biobased resin from natural oils. Book of Abstracts of Austrian-Slovenian Polymer Meeting ASPM 2010, September 8 – 10, 2010, Leoben, Austria, 18–19
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69. Kandelbauer A (2010) Isoconversional kinetic analysis of liquid resins. VIDEO-presentation  
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