

FULBRIGHT CHAIR IN ALTERNATIVE ENERGY

RESEARCH ACCOMPLISHMENTS

INVITED SPEAKER

1. Forest Biorefinery: Time to Be. Polysaccharides as a Source of Advanced Materials Conference, Abo Academia, Turku, Finland (Sept, 2009)
2. Forest BioRefinery Accomplishments, Latvian State Institute of Wood Chemistry (June, 2009)
3. BioFuels and Biomaterials: Forest BioRefinery, Lithuanian Seimas(Parliament) Committee on Environment Protection (June, 2009)
4. Alternative Energy in the US and State-of-the-Art Biological Conversion Technologies to Bioethanol, Lithuanian Confederation of Industrialists, Vilnius, Lithuanian (June, 2009)
5. US Forest Biofinery, Lithuanian Energy Institute, Kaunas, Lithuanian (June, 2009)
6. Recent Development in US Forest Biorefinery, Kaunas University of Technology, Lithuanian (June, 2009)
7. Transformational Forest BioRefinery Technologies, 10th Baltic Economic Forum, Riga, Latvia (June, 2009)
8. Recent Developments in US Forest Biorefinery, Novel Products and Fuels from Forest Trees Seminar Series, Umeå Plant Science Centre, Umeå University, Sweden (May, 2009).
9. The Biorefinery Concept: Opportunities, Challenges and Innovation, Chalmers University of Technology (May, 2009).
10. Securing Biofuels and Bioenergy from the Next Generation of Forest BioRefineries, House of Sweden/Swedish Embassy-Washington DC (May, 2009)
11. Engineering The Next Generation of LignoCellulosic Fibers, Colloquium Wood Valorisation Epinal, France (Jan., 2009)
12. Forest Biorefineries Opportunities, Challenges and Innovation, Colloquium Wood Valorisation Epinal, France (Jan., 2009)
13. Characterizing Lignocellulosics from Biomass to Bioethanol, Colloquium Wood Valorisation Epinal, France (Jan., 2009)
14. Transformational Forest Biorefineries Opportunities and Challenges, KETJU (Sustainable Products and Production Conference, Finnish Academy Science (Feb., 2009)
15. Forest Biorefinery: A Contribution to the One Big Thing Fulbright Chair in Alternative Energy. US- Swedish Science and Technology Review, Swedish Ministry of Education and Research Ministry, Stockholm (Sept., 2008)
16. Characterizing Lignocellulosics from Biomass to Bioethanol, Booregard, Sarpsborg, Norway (Dec., 2008)
17. Wood Chemistry In The Biorefinery, Booregard, Sarpsborg, Norway (Dec., 2008)
18. Putting Chemistry Back Into The Biorefinery, Imperial College London, London (Dec., 2008)
19. Review of Fiber Modification, Eka Chemicals, Sweden (Dec., 2008)
20. Seeing Fibers in a Pulp Forest. Joint SCA, Sodra, Chalmers meeting, Gotenburg, Sweden (Oct., 2008)
21. Energizing the Forest Biorefinery: Pulp-Paper-Fuels, TAPPI SuperCorrExpo conference, Atlanta. GA, (Sept., 2008)
22. Wanted: Technology Breakthroughs, International Bioenergy Days, MN. At request of the US State Department, (Sept., 2007)
23. Forest Biorefinery: A Contribution to the One Big Thing Fulbright Chair in Alternative Energy. US- Swedish Science and Technology Review, Swedish Ministry of Education and Research Ministry, Stockholm (Sept., 2008).
24. Forest – Energy: One Big Thing. One Big Thing 2008 Retreat. Embassy of United States of America, Stockholm (Sept., 2008).

CONFERENCE PRESENTATION:

1. New energy: Fuel resources from kraft pulping. Nagy, M.; Kosa, M.; Ragauskas, A.J.; Theliander, H. 237th ACS National Meeting, Salt Lake City, UT, United States (March, 2009).

TECHNICAL PUBLICATIONS:

1. Characterization of CO₂ Precipitated Kraft Lignin to Promote its Utilization, Nagy, M., Kosa, M.; Theliander, H., Ragauskas, A.J. accepted in Green Chemistry
2. A rapid quantitative analytical tool for characterizing the preparation of biodiesel, Nagy, M., Foston, M.; Ragauskas, AJ, ASAP J Physical Chemistry
3. Catalytic hydrogenolysis of ethanol organosolv lignin. Nagy, M.; David, K.; Britovsek, G.J.P.; Ragauskas, A.J. *Holzforschung*, (2009), 63, 513-520.
4. Phosphitylation and quantitative ³¹P NMR analysis of partially substituted biodiesel glycerols. Nagy, M.; Kerr, B.J.; Ziemer, C.J.; Ragauskas, A.J. *Fuel* (2009), 88(9), 1793-1797.
5. Biomass Characterization of *Buddleja davidii*: A Potential Feedstock for Biofuel Production. Hallac, B.B.; Sannigrahi, P.; Pu, Y.; Ray, M.; Murphy, R.J.; Ragauskas, A.J., *Journal of Agricultural and Food Chemistry* (2009), 57(4), 1275-1281.