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Education:

M.S. 1999 University of Georgia Biological Engineering
B.S. 1996 University of Georgia Biochemistry

Employment and Experience:

2005-present: Public Service Representative, Faculty of Engineering, University of Georgia, Athens, GA:

- Biodiesel research coordinator
- Technical consultant on Biodiesel/Biofuels for Georgia State Government
- Technical Director of Southeastern Biodiesel Workshop
- Engineering consultant to Biofuel companies
- Biofuels educator/lecturer

2002-2005: Engineer, Biofuels Research Lab, Biological and Agricultural Engineering Department/Engineering Outreach, University of Georgia, Athens, GA:

- Development, coordination and publication of engineering research projects focusing primarily on biofuels development.
- Hands on research experience on biofuel analysis and application.
- Extensive reporting and project management experience.
- Presentation of research findings to scientific and industrial communities.
- Grant proposal writing and management.

Publications:

Journal articles:

Geller, D.P., T.T. Adams, J.W. Goodrum, J.Pendergrass. 2008. Storage stability of poultry fat and diesel fuel mixtures: Specific gravity and viscosity. *FUEL*. 87(1):92-102.

Garcia-Perez, M., T.T. Adams, J.W. Goodrum, D.P. Geller, K.C. Das. 2007. Production and Fuel Properties of Pine Chip Bio-oil/Biodiesel Blends, *Energy and Fuels*. 21(4):2363 -2372.

Goodrum, J.W., D.P. Geller. 2005. Influence of fatty acid methyl esters from hydroxylated vegetable oils on diesel fuel lubricity, *Bioresource Technology*, 96(7):851-855.

Geller, Daniel P., John W. Goodrum. 2004. Effects of specific fatty acid methyl esters on diesel fuel lubricity. *Fuel*. 83(17-18):2351-2356.

Geller, D. P., J.W. Goodrum, E.A. Siesel. 2003. Atomization of short-chain triglycerides and a low molecular weight vegetable oil analogue in DI diesel engines. *Transactions of the ASAE*. 46(4):955-958.

Goodrum J.W., D.P. Geller, and T.T. Adams. 2003. Rheological Characterization of Animal Fats and their Mixtures with #2 Fuel Oil. *Biomass and Bioenergy* 24(3): 249-256.

Goodrum J.W., D.P. Geller, and T.T. Adams. 2002. Rheological Characterization of Yellow Grease and Poultry Fat. *J. of Amer. Oil chemists Society* 79(10): 961-964.

Goodrum J.W. and D.P. Geller. 2002. Rapid thermogravimetric measurements of boiling points and vapor pressure of saturated medium- and long-chain triglycerides. *Bioresource Technology* 84: 75-80.

Geller, D.P. and J.W. Goodrum. 2000. Rheology of Vegetable Oil Analogs and Triglycerides. *J. of Amer. Oil chemists Society* 77(2): 111-114.

Geller, D.P., J.W. Goodrum, C.C. Campbell, 1999. Rapid Screening of Biologically Modified Vegetable Oils for Fuel Performance. *Transactions of the ASAE* 42(4): 859-862.

Reuhs, Bradley L.; Stephens, Samuel B.; Geller, Daniel P.; Kim, John S.; Glenn, Joshua; Przytycki, Jessica; Ojanen-Reuhs, Tuula. 1999. Epitope identification for a panel of anti-Sinorhizobium meliloti monoclonal antibodies and application to the analysis of K antigens and lipopolysaccharides from bacteroids. *Applied and Environmental Microbiology* 65(11): 5186-5191.

Geller, D.P., J.W. Goodrum, S.J. Knapp. 1999. Fuel properties of Oil from Genetically altered *Cuphea viscosissima*, *Industrial Crops and Products* 9: 85-91.

Goodrum, J.W., D.P. Geller, and S.A. Lee. 1998. Rapid measurement of boiling points and vapor pressure of binary mixtures of short chain triglycerides by TGA method. *Thermochimica Acta* 311: 71-79.

Reuhs, Bradley L.; Geller, Daniel P.; Kim, John S.; Fox, Jennifer E.; Kolli, V. S. Kumar; Puepke, Steven G. 1998. Sinorhizobium fredii and Sinorhizobium meliloti produce structurally conserved lipopolysaccharides and strain-specific K antigens. *Applied and Environmental Microbiology* 64(12): 4930-4938.

Patent Applications:

Adams, T.T., Garcia, M., Geller, D.P., Goodrum, J.W., Pendergrass, J. 2007. Miscible, Multi-Component Diesel Fuels and Methods of Bio-Oil Transformation. US Patent Publication No. US-2007-0261296-A1

Advisory Roles:

Technical Advisor, Solazyme, San Francisco, CA

Technical Advisor, Alterra Biofuels, Gordon, GA

Technical Advisor, US Biofuels, Rome GA

Technical Advisor, US EPA Southeastern Diesel Collaborative, Atlanta, GA