

## REVIEWED ARTICLES

- 244 **Introduction to Special Issue: Evaluating the Environmental Performance of Wood-Based Biofuels** by Bruce Lippke, Richard Bergman, Adam Taylor, and Maureen E. Puettmann
- 247 **Comparing Life-Cycle Carbon and Energy Impacts for Biofuel, Wood Product, and Forest Management Alternatives** by Bruce Lippke, Richard Gustafson, Richard Venditti, Philip Steele, Timothy A. Volk, Elaine Oneil, Leonard Johnson, Maureen E. Puettmann, and Kenneth Skog
- 258 **Modeling Biomass Collection and Woods Processing Life-Cycle Analysis** by Leonard Johnson, Bruce Lippke, and Elaine Oneil
- 273 **Woody Biomass Substitution for Thermal Energy at Softwood Lumber Mills in the US Inland Northwest** by Maureen E. Puettmann and Bruce Lippke
- 280 **Cradle-to-Gate Life-Cycle Inventory and Impact Assessment of Wood Fuel Pellet Manufacturing from Hardwood Flooring Residues in the Southeastern United States** by Daniel Reed, Richard Bergman, Jae-Woo Kim, Adam Taylor, David Harper, David Jones, Chris Knowles, and Maureen E. Puettmann
- 289 **Life-Cycle Inventory of Wood Pellet Manufacturing and Utilization in Wisconsin** by John F. Katers, Adam J. Snippen, and Maureen E. Puettmann
- 296 **Carbon Emission Reduction Impacts from Alternative Biofuels** by Bruce Lippke, Maureen E. Puettmann, Leonard Johnson, Richard Gustafson, Richard Venditti, Philip Steele, John F. Katers, Adam Taylor, Timothy A. Volk, Elaine Oneil, Kenneth Skog, Erik Budsberg, Jesse Daystar, and Jesse Caputo
- 305 **Life-Cycle Assessment for the Production of Bioethanol from Willow Biomass Crops via Biochemical Conversion** by Erik Budsberg, Mohit Rastogi, Maureen E. Puettmann, Jesse Caputo, Stephen Balogh, Timothy A. Volk, Richard Gustafson, and Leonard Johnson
- 314 **Life-Cycle Assessment of Bioethanol from Pine Residues via Indirect Biomass Gasification to Mixed Alcohols** by Jesse Daystar, Carter Reeb, Richard Venditti, Ronalds Gonzalez, and Maureen E. Puettmann
- 326 **Life-Cycle Assessment of Pyrolysis Bio-Oil Production** by Philip Steele, Maureen E. Puettmann, Venkata Kanthi Penmetsa, and Jerome E. Cooper