

Letters

- 1 **Response: complexities of sustainable forest use**
Helmut Haberl, Ernst-Detlef Schulze, Christian Körner, Beverly E. Law, Bjart Holtsmark and Sebastiaan Luyssaert
- 3 **Bioenergy, sustainability, and the second law**
Niclas Scott Bentsen and Claus Felby

Original Articles

- 6 **Nitrogen and harvest management of Conservation Reserve Program (CRP) grassland for sustainable biomass feedstock production**
Do Kyoung Lee, Ezra Aberle, Chengci Chen, Josh Egenolf, Keith Harmony, Gopal Kakani, Robert L. Kallenbach and Joseph C. Castro
- 16 **Life-cycle assessment of local feedstock supply scenarios to compare candidate biomass sources**
Caroline Godard, Joachim Boissy and Benoît Gabrielle
- 30 **Life cycle assessment of eucalyptus short rotation coppices for bioenergy production in southern France**
Benoît Gabrielle, Nicolas Nguyen The, Pauline Maupu and Estelle Vial
- 43 **The timber and energy biomass potential of intensively managed cloned Norway spruce stands**
Johanna Routa, Seppo Kellomäki, Harri Strandman, Johan Bergh, Pertti Pulkkinen and Heli Peltola
- 53 **Development and evaluation of ForestGrowth-SRC a process-based model for short rotation coppice yield and spatial supply reveals poplar uses water more efficiently than willow**
Matthew J. Tallis, Eric Casella, Paul A. Henshall, Matthew J. Aylott, Timothy J. Randle, James I. L. Morison and Gail Taylor
- 67 **Using ecosystem CO₂ measurements to estimate the timing and magnitude of greenhouse gas mitigation potential of forest bioenergy**
Pierre Bernier and David Paré

Technical Advance

- 73 **Agrobacterium-mediated transformation of reed (*Phragmites communis* Trinius) using mature seed-derived calli**
Yang-Goo Kim, Shamima Akhtar Sharmin, Iftekhar Alam, Kyung-Hee Kim, Suk-Yoon Kwon, Jung-Hoon Sohn, Sun-Hyung Kim, Gongshe Liu and Byung-Hyun Lee