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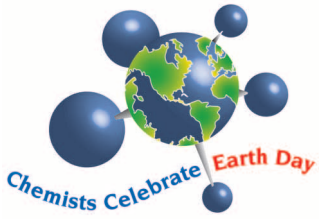

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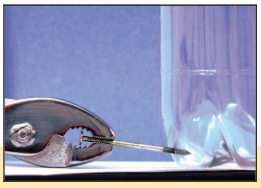
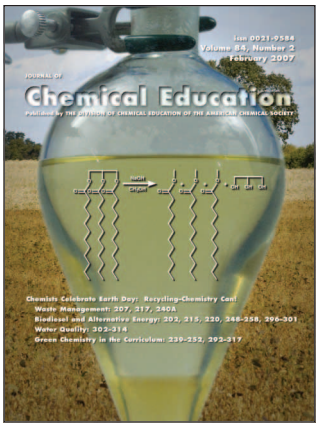


Cover

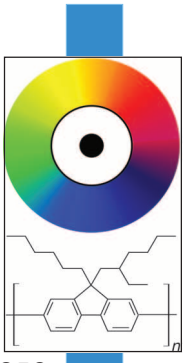
Chemists Celebrate Earth Day: Recycling–Chemistry Can! Earth Day is April 22, 2007. In celebration, this issue contains articles on waste management, alternative energy sources, water quality, and a variety of ways to bring environmental chemistry into the classroom. An exciting way to demonstrate environmental chemistry is with biodiesel synthesis (see articles on page 202, 220, and 296). The cover shows a separatory funnel filled with biodiesel above a layer of glycerol. The flask is superimposed on a soybean field. Soybeans are one source of vegetable oil that can be used as starting material in biodiesel synthesis. The biodiesel products were prepared by Megan Jacobson and Allen Clauss and photographed by Jerry J. Jacobsen. Field image provided by Michael Forster Rothbart/UW-Madison University Communications. The cover was designed by Betsy True.

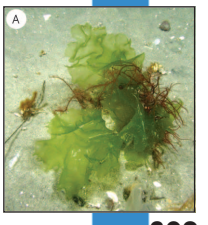


Chemistry for Everyone

In the Classroom

In the Laboratory





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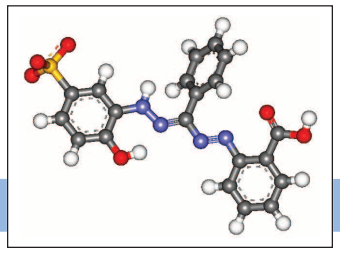

In the Laboratory, continued

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