



Green Chemistry Seminar (CCVC) (Open to public)



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Title: CHEMICALS FROM WASTE BIO-OILS.

Date/Time: Tuesday, June 19, 2012, 1:00PM

Location: Otto Maass Chemistry Building (McGill University), RM 10

Abstract:

As oil supplies dwindle and the price increases, it is essential to find new ways of making the many chemicals on which the quality of our lives depends. One approach is to use renewable resources which can be grown. However, there is a tension between using land for fuel or chemicals production and the need to use land to produce food for the rapidly increasing world population. One possible solution is to use waste products for the manufacture of chemicals. In this presentation, we shall discuss the conversion of methyl oleate, a major component of Tall Oil, a waste from wood processing, into polymer precursors. We shall also discuss the synthesis of a range of important chemicals from cashew nut shell liquid (CNSL), a waste from cashew nut processing.