

A model of a biorefinery

Dan MANDALOPOL ^{a*}, Irina NITA ^a, Corina TEODORESCU ^a, Anca STERPU ^a and
Anisoara -Arleziana NEAGU ^a

^a*Ovidius University, Department of Chemical Engineering and Technology 124 Mamaia Blvd,
900527, Constanta, ROMANIA*

Abstract A range of products is delivered with multiple and uses, including: low volume and high value specialty chemicals that have niche uses in the food and other industries; high volume and low value liquid fuels for wide-spread use in the transport industry; heat, electricity, etc. The diversity of the products gives a high degree of flexibility to changing market demands and allows the plant operators many options for gaining revenues and achieving profitability. The purpose of this work is to present the technological processes and the primary and final products obtained in the biomass processing.

Keywords: biorefinery, biomass, solid biofuels, gaseous biofuels, liquid biofuels
