



## Graduate Research Assistantship Logistics of Mobile Thermo- Chemical Conversion Systems

A research assistantship is available for graduate study toward an M.S. in Agronomy or Soil Science at Texas A&M University.

The student will participate and conduct research in our interdisciplinary project focused on the development and evaluation of sustainable bioenergy production systems. Faculty from Soil and Crop Sciences, Biological and Agricultural Engineering, and Agricultural Economics are collaborating with representatives from industry in development and evaluation of mobile thermo-chemical conversion systems. Students enrolled in the Soil and Crop Sciences department will focus on concerns about biomass productivity and quality and recycling of bio-char byproducts of pyrolysis back to soil.

Specific research opportunities related to the sustainability of bioenergy production include 1) Characterize and relate physical and chemical properties of bioenergy feedstocks, including switchgrass, sorghum, and corn stover, to yield and quality of bio-oil and bio-char derived from pyrolysis and gasification and 2) Evaluate effects of bio-char byproducts of pyrolysis and

gasification on soil physical, chemical and biological properties and productivity of biomass feedstocks.

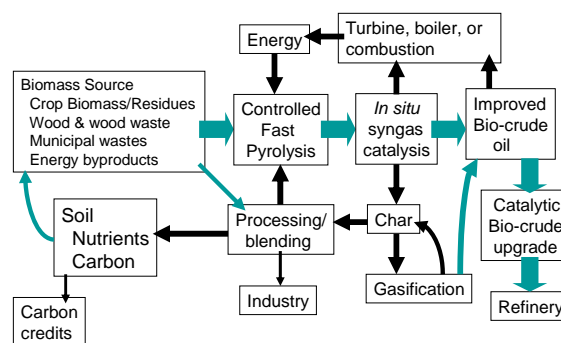


Figure 1. Conceptual framework for biomass conversion through pyrolysis, catalysis, and gasification.

Interested students are encouraged to apply online for graduate admission:

<http://admissions.tamu.edu/default.aspx>

For more information, contact:

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