



.... Our future hinges on our ability to harvest our natural resources in a sustainable manner to meet the future demands of the Earth's growing population.....

## Doctoral Fellowships in Advanced Forest Biomaterials

**Full financial support** is available for promising US citizens to obtain a Doctoral Degree in the area of Advanced Forest Biomaterial Products. This premier support packages will include a \$25,000 stipend per year, all tuition fees, and health insurance for four years. Travel expenses for a travel abroad research experience is also included.

**New forest-based products** for society will be a critical research area to support the inevitable need of the United States to develop sustainable and environmentally benign resources for society, to decrease the dependence on nonrenewable, fossil oil, and to improve the economics of the forestry/wood-based industry. This area of expertise is especially important now, due to the increased interest in developing alternate solutions for the replacement of fossil materials with renewable resources. A recent estimate indicates as of November 2005 one-half of the world's total oil reserves will have been extracted and combusted or applied towards industrial uses. There has been an increasing pressure for the U.S. to decrease its foreign-dependence on petroleum-based fuels and products. It has been proposed that natural, renewable materials from plants can serve as an alternative feedstock to supply products and fuel for society.

**Candidates** should be US citizens interested in the science involved in the conversion of natural forest resources into advanced materials to meet society needs. Appropriate student backgrounds include chemistry, chemical engineering, material science, wood and paper science and others.

**Interested applicants** should visit [www.natural-resources.ncsu.edu/wps](http://www.natural-resources.ncsu.edu/wps) and contact Dr. Richard Venditti, Director of Graduate Programs, [richard\\_venditti@ncsu.edu](mailto:richard_venditti@ncsu.edu) for more program information. For application information, please contact Ms. Melissa Rabil, Graduate Secretary, [melissa\\_rabil@ncsu.edu](mailto:melissa_rabil@ncsu.edu).

**Forest Biomaterials Science and Engineering**

**NC STATE UNIVERSITY**



**Higher Education Fellowship Program**