

## **TECHNOLOGIES AND SYSTEMS TO EFFECTIVELY USE BIOMASS RESOURCES PRODUCED BY THE MAINTENANCE OF PUBLIC GREEN SITES**

**Abstract** : Maintaining public green sites produces large quantities of biomass resources in the form of waste wood and grass. The aims of this study are the formation of an inventory system and the development of effective biomass resource use technologies. Biomass inventory data were collected from chemical analysis and questionnaires. Three experiments were carried out to develop an energy conversion system, biogas-engine system, and micro organic-pollutant analysis methods.

**Key words**: biomass, public green sites, energy, gas-engine, micro organic-pollutants