

Please provide a 1-3 sentence description of your organization.

USC is a state research university with high level of research and education activities.

Relative to bioenergy, what are your top problems and what research products (or what researchable questions to which you need answers) would help you solve these problems?

We are working with new potential large biomass crops such as *Arundo donax* and *Miscanthus sp.* developing mass propagation technologies as well as breeding elite lines for improved biomass and remediation properties. We are searching for partnership exploring the bioenergy potential of these plants.

What do you think ARS' top bioenergy research priorities should be (no more than five, please)?

- ◆ Explore the utilization of existing biomass for bioenergy (forestry and agricultural)
- ◆ Explore new biomass/energy plants and their introduction into ag. Production
- ◆ Breeding of new energy crop plants for better biomass production
- ◆ Research on the bioenergy utilization of these biomass plants (cellulosic biomass alcohol fermentation, H₂ fermentation, biogas and syngas production)