



SAGOREVANJE DRVETA I DRUGE VRSTE BIOMASE

COMBUSTION OF WOOD AND OTHER TYPES OF BIOMASS

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Rad predstavlja problematiku sagorevanja biomase. Analiziraju se polutanti koji nastaju sagorevanjem biljne mase i njihov uticaj na životnu sredinu. Razmatraju se karakteristike procesa sagorevanja i organske supstance. Posmatrano je sagorevanje drveta i slame. Od biljnih biomasa u stacionarnim postrojenjima sagoreva drvo, u novije vreme i peleti od slame, a ređe druge vrste (lise, trava, biljni otpaci i sl.) Proizvodi, tj zagađivači koji pri tome nastaju razlikuju se od onih koji nastaju sagorevanjem ugljeva, što je posledica drugacijeg hemijskog sastava savremenog biljnog materijala i razlicite tehnologije sagorevanja.

Ključne reči: biomasa; sagorevanje; zagađivači; drvo; tehnologija sagorevanja; emisije

The paper presents the issue of biomass burning. Pollutants produced by combustion of plant mass and their impact on the environment, characteristics of the combustion process and characteristics of organic substances are analyzed. The burning of wood and straw was observed. From plant biomass in stationary plants, wood is burned, in recent times also straw pellets, and less often other types (leaves, grass, plant waste, etc.) is a consequence of the different chemical composition of modern plant material and different burning technology.

Key words: biomass; combustion; pollutants; wood; burning technology; emission

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