



WeBIOPATR 2021

The Eighth International WEBIOPATR
Workshop & Conference
Particulate Matter: Research and Management

Abstracts of Keynote Invited Lectures and Contributed Papers

Milena Jovašević-Stojanović,
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**ABSTRACTS OF KEYNOTE INVITED LECTURES AND
CONTRIBUTED PAPERS**

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CONFERENCE TOPICS

1. Atmospheric Particulate Matter - Physical and Chemical Properties

- i. Sources and formation of particulate matter
- ii. Particulate matter composition and levels outdoors and indoors
- iii. Environmental modeling
- iv. Nanoparticles in the environment

2. Particulate Matter and Health

- i. Exposure to particulate matter
- ii. Health aspects of atmospheric particulate matter
- iii. Full chain approach
- iv. COVID-19 and particulate matter

3. Particulate Matter and Regulatory Issues

- i. Issues related to monitoring of particulate matter
- ii. Legislative aspects
- iii. Abatement strategies

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11.4 PM EMISSIONS FROM NEWLY-BUILT WOOD CHIP COMBUSTION PLANTS: CASE STUDY FOR SERBIA

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There is evident increase in air pollution in recent years. The dominant sources of air pollution in urban and rural areas, during the heating season, are small individual appliances. In recent years, new combustion plants have been built in several places in Serbia, which use biomass as fuel - wood chips. These plants were built in order to replace multiple existing low-rank coal combustion plants, combining them in one combustion plant. This paper gives review of PM emissions measurements, that were conducted in 8 newly-built wood chip combustion plants. Combustion plants provided heating power between 0,5 and 1,5 MW. Also, proximate and ultimate analysis of fuel is presented for every boiler under consideration.