

Particulate matters transport and dispersion modelling in industry and agriculture

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A very serious problem in the branch of air quality deals with the transport and dispersion of particulate matters. Particulate matters are generated in the industrial activity and in the agriculture one, too. They are also generated as the “biogenic” emission of pollen matters and this kind of particulates play a serious role in the health state of settlement.

One topic we would like to present in this contribution is a problem of particulate matter pollution of the coal dust originating from coal depots and ways, how to improve the situation in the surroundings of these depots.

The second topic presented in this contribution deals with the pollen dispersion. Provided the measured data from the field campaign that will take part in the NE part of the central Bohemian area will be available there will be given a comparison of the model simulation and measurement. This field campaign is prepared and will be conducted by the specialists from the Czech Agriculture University.