



Institute of Chemical Kinetics and Combustion SB RAS
Novosibirsk, Russia



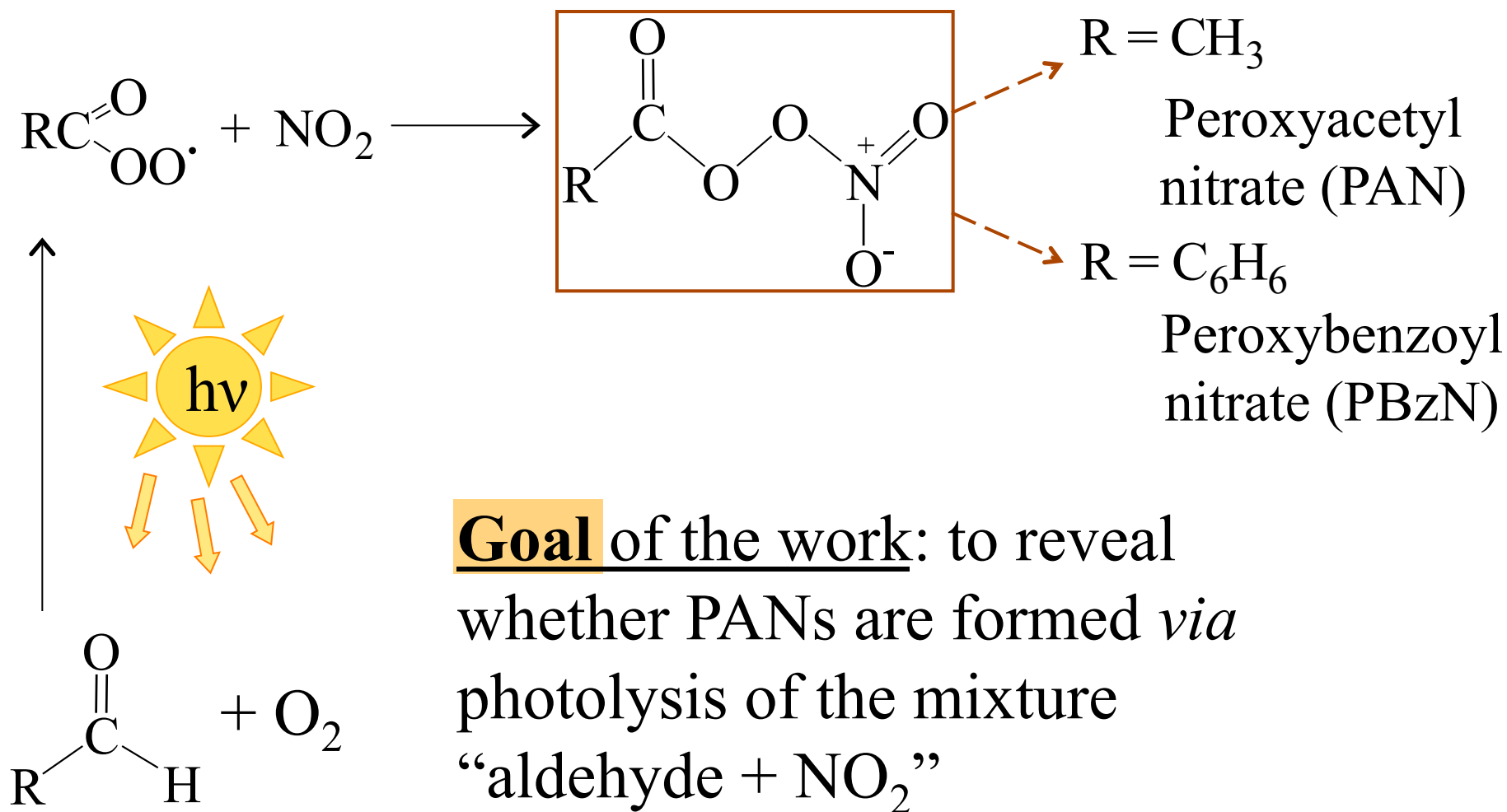
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Peroxyacyl Nitrates: Investigation of the Mechanisms of Their Formation in the Atmosphere

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Research area

Peroxyacyl nitrates (PANs)

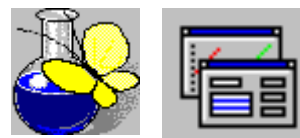


Experimental approach

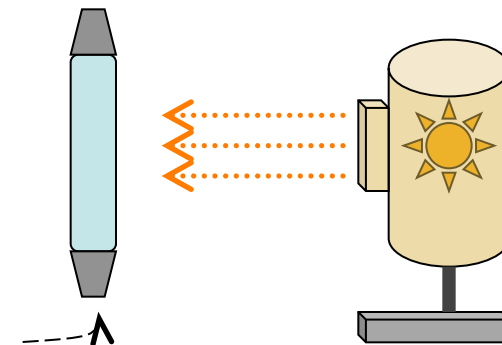
► *chromatographic* analysis of gas products by means of absorption in acetonitrile or in isopropyl alcohol



► NICK2.2 *computer simulation*



► *photolysis* investigation of reactant gases (aldehyde and NO_2) itself and in their mixture



► *air measurements* (NO_2 and aldehydes concentration):
polluted air, flame, exhaust

