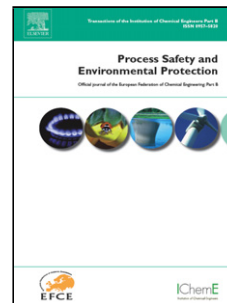


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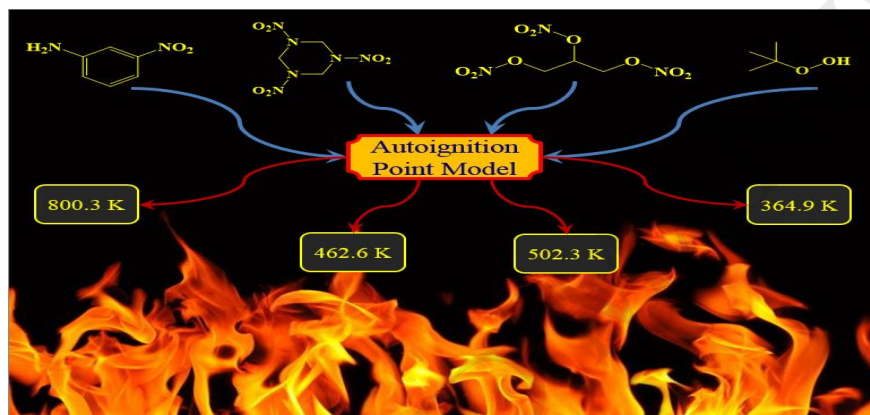
New and reliable model for prediction of autoignition temperature of organic compounds containing energetic groups

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Graphical abstract



Highlights

- A novel method is introduced for reliable prediction of autoignition temperature (*AIT*) of organic compounds containing energetic groups.
- It requires only molecular structure of the compound.
- There is no need to use computer codes and unusual descriptors.
- It gives much reliable predictions as compared to the best available method.

Abstract

Autoignition temperature (*AIT*) is one of the most important safety specifications used to characterize the hazard potentials of a chemical substance. A simple model is introduced

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