



Școala Doctorală de Chimie

TEMATICA PENTRU CONCURSUL DE ADMITERE LA DOCTORAT sesiunea iulie și septembrie 2024

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1. **Hidrocarburi aromatice policiclice și derivați ai acestora în atmosfera zonei urbane Iași, nord-estul României. Atribuirea surselor și estimarea riscurilor asupra sănătății umane (ro)**

Polycyclic aromatic hydrocarbons (PAHs) and their derivatives in the atmosphere of the Iasi urban area, north-eastern Romania: Sources apportionment and health risk assessments (en)

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2. **Înțelegerea compoziției chimice a fracției de compuși organici volatili în troposfera zonei urbane Iași, nord-estul României. Reactivitate și implicații în formarea ozonului (ro)**
Understanding the chemical composition of the volatile organic compounds fraction in the troposphere of the Iasi urban area, north-eastern Romania. Reactivity and implications in ozone formation (en)

**Bibliografie/References**

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3. Wyne, R.P., Basic concepts of photochemical transformations, in Environmental photochemistry. Part II, Boule, P., Bahnemann, D.W., Robertson, P.K.J. (Eds.), pp. 1-37, Springer Verlag Berlin Heidelberg, **2005**.
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3. Contribuții la caracterizarea impurităților genotoxice volatile din produse de larg consum prin tehnici analitice bazate pe spectrometrie de masă. Potențiale implicații asupra pragurilor critice reglementate (ro)

Contributions to the characterization of volatile genotoxic impurities in consumer products by analytical techniques based on mass spectrometry. Potential implications for critical thresholds statements (en)

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5. Spanel, P., Smith, D., Selected ion flow tube-mass spectrometry: detection and real-time monitoring of flavours released by food products, *Rapid Communications in Mass Spectrometry*, 13, 585-596, **1999**.

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