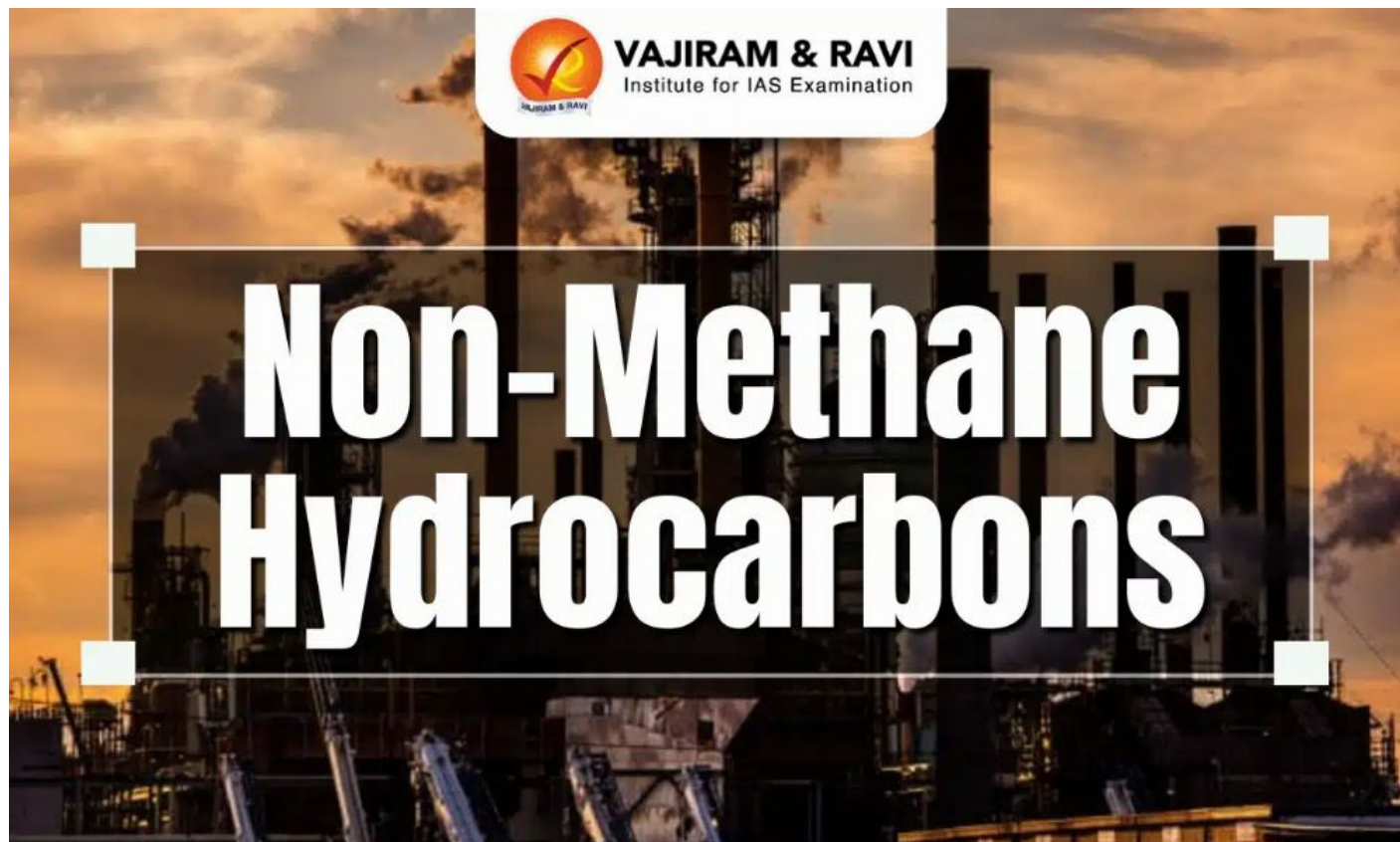


Non-Methane Hydrocarbons

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Non-Methane Hydrocarbons Latest News

Researchers from Aryabhata Research Institute of Observational Sciences (ARIES) spent a year (2022–2023) measuring non-methane hydrocarbons (NMHCs) in Munsyari.

About Non-Methane Hydrocarbons

- These are **trace atmospheric constituents** which includes ethane, ethene, propane, propene, and isoprene
- These are a **group of reactive gases emitted from fuel use**, vehicles, and other human activities that play a key role in forming ozone and secondary aerosols.
- **Production:** They are **primarily produced from terrestrial sources**, with some contribution from **marine environments**, and exhibit distinct production processes influenced by environmental factors.
- They play a significant role in controlling ozone concentrations and serving as a sink for **hydroxyl radicals**.
- They are vital precursors for the **photochemical formation of tropospheric ozone** and **secondary organic aerosols (SOA)**

- **Impact:** It is important to trace them and evaluate their implications for regional air quality and **potential impacts on human health.**

Source: PIB

Source: <https://vajiramandravi.com/current-affairs/non-methane-hydrocarbons/>

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