

NER 2023 analyzes key questions facing Kazakhstan's energy sector, such as: What are the key elements involved in enhancing energy security for Kazakhstan? How is Kazakhstan's energy sector ...

Measurement of benzene, toluene, ethylbenzene and o-xylene concentrations in ambient air of Almaty, Kazakhstan, by solid-phase microextraction and gas chromatography - mass spectrometry

Real-World Applications of Spectrometers. No longer limited to laboratories, spectrometers (analytical instruments, testing devices) are now widely used in production, ...

Despite the long history of oil production in Kazakhstan, petroleum biomarkers with modern methods of analysis have not yet been conducted. Hence, the main objective of the present ...

In this study, we present radiometric measurements near the mothballed Grachevskoye uranium mining facility (MUMF) and the settlement of ...

This research introduces a method for distinguishing between the different types of crude oils based on biomarker analysis of 28 crude oils from Western and Southern Kazakhstan using gas ...

The report reflects progress in empowering people, strengthening institutions, advancing economic development and promoting environmental sustainability in Kazakhstan, supported through strong...

The application of comparator instrumental neutron activation analysis (INAA) combined with the internal standard method was considered to analyze solid volumetric samples of different rocks, 15-20 g of ...

The electron volt spectrometer (eVS) at ISIS is a neutron spectrometer, which uses the high intensity of neutrons in the electronvolt energy range to measure atomic-momentum distributions in a variety of ...

Executive Summary Kazakhstan, country rich in natural resources, has long depended on its oil and gas sector as a cornerstone of its economy. Over the last 10 years, however, Kazakhstan's growth has ...

These findings showed that gas chromatography-mass spectrometry is an effective method for oil biomarkers determination, especially because it provides efficient separation and ...

In this study, we present radiometric measurements near the mothballed Grachevskoye uranium mining facility (MUMF) and the settlement of Saumalkol, located in northeast Kazakhstan.



# Application of ONU Spectrometer in Kazakhstan

This compact and ultrathin metal lens spectrometer can be applied in on-chip integrated photonics for spectral analysis and information processing on compact platforms.

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