**Intelligent Petroleum Processing: A Short Review on Applying AI/ML to Petroleum Products Optimization**

**Highlights**

* ML can predict natural gas characteristic, enhancing operational safety.
* ML yields deeper insights, surpassing traditional methods in data analysis.
* The accuracy of property predictions for fuels produced in refineries is improved by combining ML with spectral analysis.
* PLS, regression, PCA establish correlations for petroleum products attribute prediction.
* AI/ML revolutionize petroleum industry, improving efficiency and environmental compliance.