

Trends in Particulate Nanostructure



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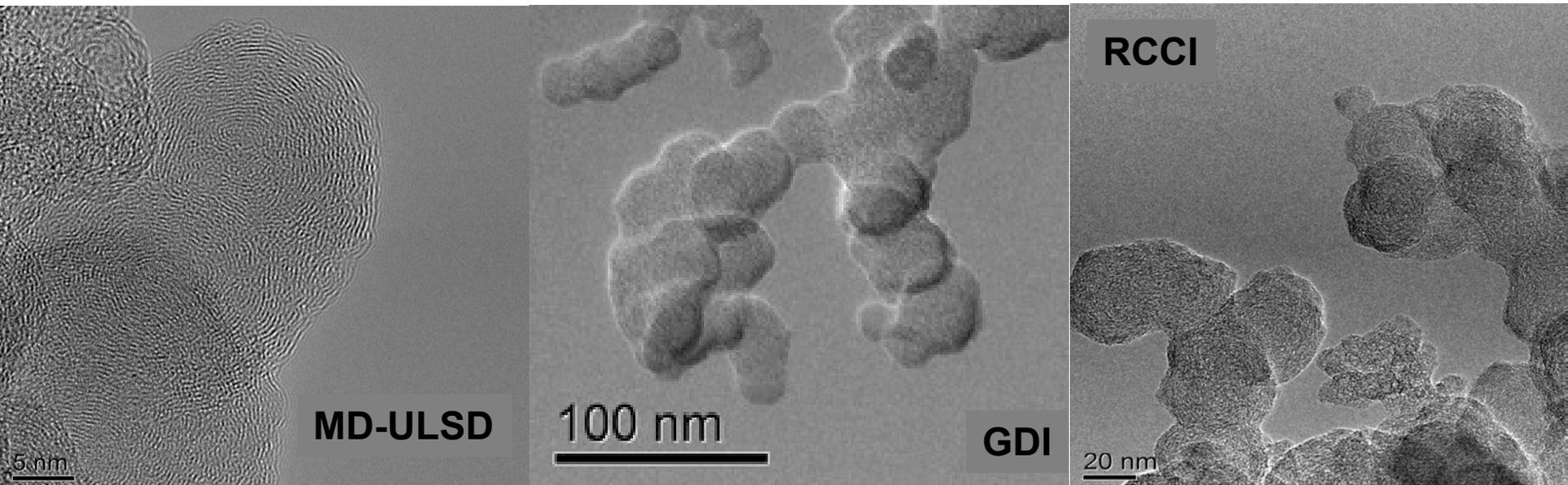


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Comparison study of particulate from light-duty diesel, medium-duty diesel, GDI, RCCI



Goal: Determine the impact of fuel type and engine platform on particulate nanostructure by HR-TEM and surface area analysis

GDI samples exhibited a distinctly different aggregate morphology, with largely recognizable primary particles

RCCI particulates showed a common core-shell structure, with significant variation in primary particle size.