



# Development of Model Filtration Media for Investigating Size-Dependent Filtration Efficiency

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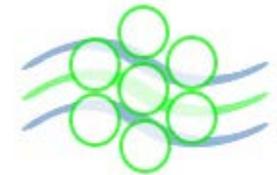
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Combustion & Reaction  
Characterization Lab

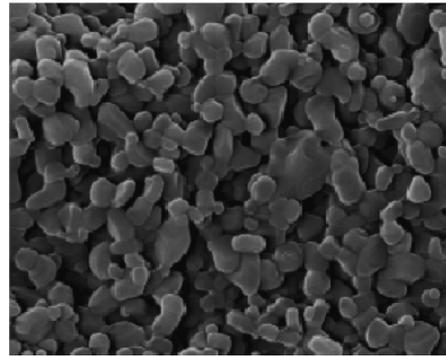


**ADAPTIVE MATERIALS  
LABORATORY**

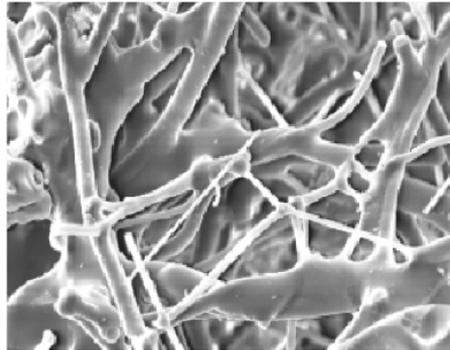


# Familiar filter materials do not fit criteria for the unit collector model

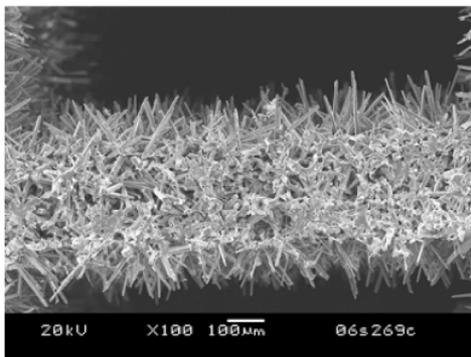
# Model Material: Uniform, 1 $\mu$ m Spherical Pores



SiC granules



Fibers



Needles (Acicular)

Cordierite

