Biodiesel: Tomorrow's Fuel, Today's Solution

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16	9	33	92
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32.064	18.9984	74.9126	238.03

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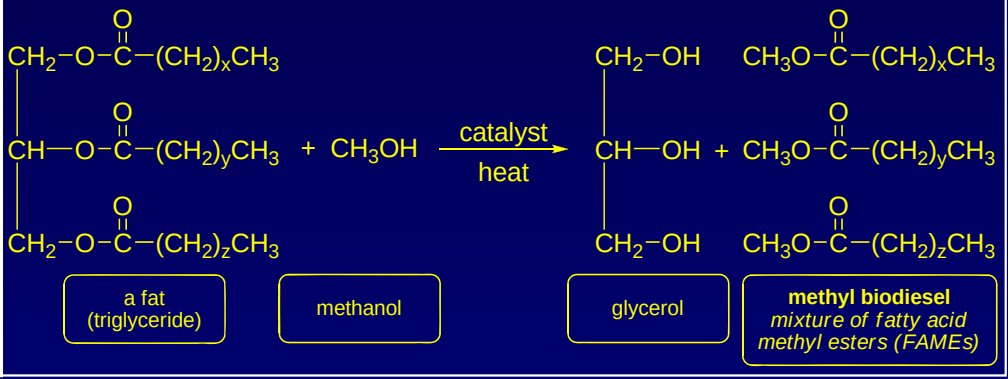
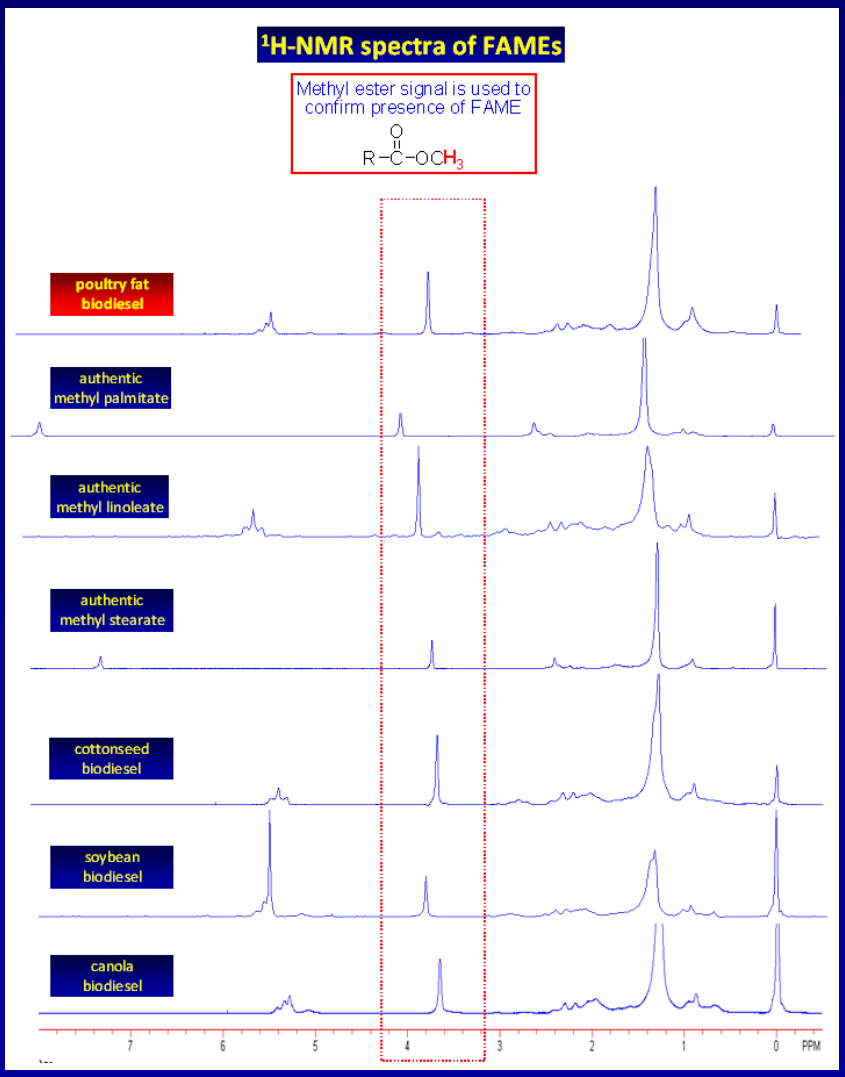
Objective: Study of physical & chemical properties of biodiesel fuels derived from poultry & plant fats

Experimental methods:

- Synthesize FAMEs (transesterification)
- Extract FAME mixture
- Analyze pdt mixture (IR & ^{1}H-NMR spectroscopy)

Synthesis of biodiesel (FAMEs) from triglycerides





Conclusion:

- We have been successful in making biodiesel mixtures
- We are now studying the properties of these mixtures
- We will study combustion energy, viscosity, and cloud point of biodiesel mixtures
- Biodiesel has much potential as an alternative to diesel fuel
- Biodiesel is cleaner burning than diesel fuel

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