

Bala Subramaniam's Lab

Research:

- Novel epoxidation process for light olefins that eliminate CO₂ byproduct
- Innovative hydroformylation with gas-expanded liquids
- Spray reactors, such as the oxidation process for terephthalic acid
- Economic and life cycle analyses for ensuring commercial viability and minimizing ecological harm



Collaborators:

Prof. Subramaniam collaborates with multiple faculty in chemistry and chemical engineering.—at KU and around the world. His departmental collaborators include: Profs. Bravo-Suarez, Chaudhari, Leonard, Scurto, Shiflett, and Tao. He has also partnered with >20 chemical companies through the Center for Environmentally Beneficial Catalysis (CEBC).

Bala Subramaniam

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Equipment:

The CEBC houses a comprehensive suite of tools for catalyst preparation, characterization, and evaluation, valued at more than \$7 Million.

Funding Sources:

National Science Foundation
U.S. Department of Agriculture
Environmental Protection Agency
Chemical companies

Go to cpe.egr.ku.edu to learn more.