The School of Packaging conducts cutting edge research in a broad number of areas related to packaging.

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Research conducted at the School of Packaging is both fundamental and applied and is funded by a number of sources including State and Federal grants, private industry and foundations. Researchers within the school collaborate with a large number of groups across the MSU campus, other research universities, not-for-profit research centers and private industry.

Examples of research conducted at the School of Packaging include:

Packaging Interactions with the Product

- Permeability of gases and vapor through packaging materials and systems
- Active packaging: develop safety components within the packaging material for an active role in the quality and safety of food and pharmaceutical products
- Migration of additives from the packaging material
- Assessing regulatory implementation

Packaging Interactions with the Environment

- Developing sustainability concepts and methodology
- Evaluating sustainable materials: LCA, bio-degradability etc.
- Evaluation of distribution performance
- Reusable packaging system analysis

New Packaging Materials

- Developing new sustainable packaging materials
- Identifying and evaluating new indicators for packaging sustainability
- Method development and validation for evaluating packaging material performance

Packaging Processes

- Packaging distribution and logistics within supply chains
- Impact of packaging processes on the finished product's business plan
- Quality design as applied to packaging

For more information visit www.packaging.msu.edu