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research

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

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SCHOOL OF PACKAGING



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 Consumer

Evaluating label performance

Packaging accessibility for pharmaceutical and medical devices

Developing new forms of communication within the package

Examining and outlining regulatory compliance and concerns

Marketing as applied to the packaging system

Virtual design of packaging system

History of Packaging

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