

# Melvin A. Pascall

Food Science and Technology, OSU

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## ***Education:***

Michigan State University, East Lansing, Michigan, USA.

- Ph.D. Food Science/Environmental Toxicology (1995).
- M.S. Packaging (1991).

University of West Indies, St. Augustine, Trinidad, West Indies.

- B.Sc. Agriculture (1987).

## ***Professional Training:***

Louisiana State University and The Better Process School, Baton Rouge, Louisiana.

- Certificate course in low acid shelf-stable food processing (1998).

United States Food and Drug Administration, Washington D.C.

- Certificate course in low acid can food processing plant inspection (1998).
- Certificate course in food laws (1999).

Short courses taken.

- Paperboard packaging fabrication and integrity testing at SIG Combibloc Inc. (1998).
- Paperboard packaging fabrication and integrity testing at Tetra Pak Inc. (1998).
- Metal and composite can manufacture and integrity testing at Crown Cork and Seals Inc. (1997).

## ***Scholarship and Awards:***

- Most outstanding member of a registered student organization MSU 1994 - 95.
- "Packaging Education Foundation Scholarship" academic year 1989 - 90.

## ***Professional Experience:***

2002 – Present      Assistant Professor, Department of Food Science and Technology, Ohio State University, Columbus, OH.

2002 – Present      Affiliate Faculty member of the NASA Food Technology Commercial Space Center, Iowa State University, Ames, Iowa.

1997 - 2002              Research Food Scientist, Division of Food Processing and Packaging; and the Office of Nutritional Product, Labeling and Dietary Supplements, Food and Drug Administration, College Park, MD.

1996 - 1997              Post Doctoral Research Associate/Packaging Engineer, Department of Food Science and Technology, Ohio State University, Columbus, OH.

1995 - 1995              Adjunct Lecturer, Community Health Program, School of Public Health, University of Michigan, Ann Arbor, Michigan.

1973 - 1989              Senior Laboratory Technician, Chemical Laboratory, Carib Glassworks Limited, Trinidad, West Indies.

***Areas of Interest and Expertise:***

- Packaging Integrity Evaluation
- Aseptic Processing and Packaging
- Food Regulations and Safety
- Modified Atmospheric Packaging
- Tamper-evident Packaging

***Professional Membership:***

- Institute of Food Technologist (IFT). 1991 - present.
- Institute of Packaging Professionals (IOPP). 1997 - present.
- Sigma Xi Scientific Society. 1995 - present.
- American Society for Testing and Materials (ASTM). 2002 - present.

***Publications:***

1. López-Rubio, A., Lagarón, J.M., Hernández-Muñoz, P., Almenar, E., Catalá, R., Gavara, R., Pascall, M.A. and Tay, A. Effect of high pressure treatments on the properties of EVOH based food packaging materials. *Journal of Innovative Food Science and Emerging Technologies*. (Accepted for publication).
2. Pascall, M.A., Zabik, M.E., Zabik, M.J. and Hernandez, R.J. 2004. Uptake of PCBs from an aqueous medium by polyethylene, polyvinyl chloride and polystyrene films. *Journal of Agricultural and Food Chemistry*. (Accepted for publication).
3. Ravishankar, S., Pascall, M.A., Maks, N., Teo, A.Y. and Strassheim, H.E. 2004. Minimum leak size determination, under laboratory and commercial conditions, for bacterial entry into polymeric trays used for shelf stable food packaging. *Journal of Food Protection*. (Submitted for publication).
4. Pascall, M.A., Ravishankar, S., Ghiron, K., Lee, B.T. and Johannessen, J.N. 2004. Evaluation of Magnetic Resonance for Detection of Bacterial Contamination in Low-Acid, Shelf-Stable Soy Milk. *Journal of Food Protection*. (Submitted for publication).
5. Caner, C., Hernandez, R., Pascall, M.A. and Balasubramaniam, V.M. 2004. The effect of high-pressure food processing on the sorption behavior of selected packaging materials. *Packaging Technology and Science*. 17:3. 139-153.
6. Caner, C., Hernandez, R., Pascall, M.A. and Reimer, J. 2003. The use of mechanical analysis, scanning electron microscopy, and ultrasonic imaging to study the effects of high pressure processing on multilayered films. *Journal of the Science of Food and Agriculture*. 83:11. 1095-1103.
7. Pascall, M.A. 2002. Evaluation of a laboratory-scale pressure differential (force/decay) system for non-destructive leak detection of flexible and semi-rigid packaging. *Packaging Technology and Science*. 15:4. 197-208.
8. Schwecker, A., Balasubramaniam, V.M., Sadler, G., Pascall, M.A. and Adhikari, C. 2002. Influence of high-pressure processing on selected polymeric materials and on the migration of a pressure transmission fluid. *Packaging Technology and Science*. 15:5. 255-262.
9. Pascall, M.A., Richtsmeier, J., Reimer, J. and Farahbakhsh, B. 2002. Non-destructive packaging seal strength analysis and leak detection using ultrasonic imaging. *Packaging Technology and Science*. 15:6. 275-285.

10. Caner, C, Hernandez, R. and Pascall, M.A. 2000. Effect of high-pressure processing on the permeance of selected high-barrier laminated films. *Packaging Technology and Science*. 13:183-195.
11. Pascall, M.A., Zhang, H.Q., Burgess, G., Harte, B.R., Wood, D. 1998. Effect of fabrication and storage conditions on the ability of preformed sealed plastic cups to withstand rough handling conditions. *Packaging Technology and Engineering*. 7:3. 33-38.
12. Pascall, M.A., Zabik, M.E. Zabik, M.J. and Hernandez, R.J. 1997. Reduction of congener specific PCBs in water and peanut oil by polyethylene film. *Food Chemistry* 60:4. 563-571.
13. Pascall, M.A., Zabik, M.E. Zabik, M.J. and Hernandez, R.J. 1997. Development of an analytical method for the determination of congener specific PCBs in selected polymeric packaging materials. *Bull. Environ. Contam. Toxicol.* 61:8-14.
14. Zabik, M.E., Zabik, M.J., Daubenmire, S., Pascall, M.A., Welch, R., Humphrey, H. 1995. Pesticide and total polychlorinated biphenyls residues in raw and cooked Walleye and White Bass harvested from the Great Lakes. *Bull. Environ. Contam. Toxicol.* 54:396-402.
15. Pascall, M.A., Giacini, J.R., Gray, I. and Harte, B.R. 1995. Decreasing lipid oxidation in soybean oil by a UV absorber in the packaging material. *J. Food Science* 60:5. 1116-1119.