

BIOGRAPHICAL SKETCH

Joseph Miltz, D.Sc.

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Dr. Joseph Miltz is a Professor in the Department of Biotechnology and Food Engineering at the Technion - Israel Institute of Technology and he is Head of the Technion's Packaging Laboratory.

Dr. Miltz received his B.Sc. in 1966 from the Department of Chemical Engineering at the Technion and his M.Sc. (1968) and D.Sc. (Doctor of Science - 1972) from the same department, specializing in Polymer Engineering and Science.

He is a member of several professional organizations in the fields of chemical engineering, plastics and packaging and was employed on different occasions as a United Nations expert in Plastics and Packaging in developing countries. He is very well known in the Packaging Community in the United States, Europe, Australia and East Asia.

Dr. Miltz was a Visiting Professor at several Universities in the U.S.A., Australia, Canada, Chile and England and developed or assisted in developing programs in "Packaging". He has carried out many applied industrial as well as basic projects in the fields of Polymers and Packaging and was also employed twice, for a year each time, by the Pillsbury Company in their R & D Labs, developing new plastic packages and packaging technologies. Prof. Miltz is the author of over 100 publications in scientific journals and chapters in books and was an Invited Speaker at many International Conferences in the area of Packaging. He also holds several patents. He reviewed many articles and research proposals for different international scientific journals and funding agencies. Prof. Miltz is also a member of the Editorial Board of the Journal of Food Science and an Associate Editor of the Concise Reviews and Hypotheses Section of this Journal. He was also a Board Member, for about 8 years, of IAPRI- International Association of Packaging Research Institutes.

Areas of Interest and Expertise.

- * Active Packages (and primarily Antimicrobial packages and oxygen scavenging) and Modified Atmosphere Packaging Technologies.
- * Structure/property/application relationships of polymers in general and of packaging materials in particular.
- * Food, drugs and cosmetics packaging (films, trays, bottles and containers).
- * High gas barrier packages for Pasteurization and sterilization of foods.
- * Packaging and the environment, especially recycling of polymers and plastic packages, Edible and Biodegradable packages.
- * Packages for the microwave oven (including for browning and crisping).
- * Mass transfer in and through polymeric packaging materials.
- * Interaction between polymeric packaging materials and food products.
- * Paper, paperboard and corrugated board packages.
- * Mechanical protection of fragile products during transportation (shock and vibration) and storage.