

## **MICHA PELEG**

### **Affiliation: Professor of Food Engineering**

**Education:** B.Sc. (Chemical Engineering) Technion, Israel Institute of Technology, 1963, M.Sc. (Food Engineering and Biotechnology) Technion, Israel Institute of Technology, 1967, D.Sc. (Food Engineering and Biotechnology) Technion, Israel Institute of Technology, 1971.

**Position:** Professor of Food Engineering Department of Food Science University of Massachusetts, 1990 to present.

**Honors and awards:** G.W. Scott-Blair Memorial Award of the American Association of cereal Chemists, Listed by ISI as a highly cited researcher, and Member of the International Academy of Food Science and Technology.

**Teaching areas:** Food processing, Unit operations in food engineering.

**Current research:** Microbial populations dynamics, kinetics of biological and chemical processes, microbial risk assessment.

### **Editorial board membership:**

Journal of Texture Studies (since 1982), Journal of Food Science (1985-1988, 1999-2002), Journal of Food Process Engineering (1987-1990), International Food Science and Technology (since 1996) Journal of Food Properties (Since 1997), Food Engineering Series – Springer Publishing (Since 1998), Journal of Food Protection (2001-2009).

### **Current membership in Professional Societies:**

Institute of Food Technologists (IFT), Sigma Xi (President of the UMass Chapter 1987/8), The Society of Rheology.

**Publication Referee:**(Partial list): Transactions of the American Society of Agricultural Engineers, Journal of Texture Studies, Journal of Food Science, Powder Technology, Journal of Food Process Engineering, Food Technology, Journal of Food Processing and Preservation, Biotechnology Progress, Journal of Rheology, Rheologica Acta, American Institute of Chemical Engineers Journal, Food Science and Technology (Iwt), Journal of Food Engineering, Food Hydrocolloids, Critical Reviews Food Science. & Nutrition, Food Microbiology, Food Research International, Food Science and Technology International, Journal of Materials Science, International Journal of Food Microbiology, Journal of Food Protection, Journal of Applied Microbiology, Letters to Applied Microbiology, Chemical Engineering Science.

**Reviewed research proposals for:** NSF, Sea Grant, USDA, Research Canada, International Science Foundation and the National Research Councils of Israel, Argentina and Chile.

**Academic programs review panel member:** Technion, Israel Institute of Technology – Faculty of Food Engineering and Biotechnology (2001), University of the West Indies – Faculty of Chemical Engineering (2007).

**Invited speaker to Conferences and Seminars:** USA, France, Colombia, Mexico, Germany, The Netherlands, Switzerland, United Kingdom, Israel, Venezuela, New Zealand, Argentina, Spain, Costa Rica, Canada, Chile, Thailand, Ireland, Brazil.

**International Academic and Industrial Short courses:**(Rheology, Powders, Food Technology): Colombia, USA, Israel, Spain, Argentina, New Zealand, Germany,

Singapore, Switzerland.

**Consulting areas:** Powder Technology, Food Processing, Industrial Rheology.

**Publications:**

Over 300 technical publications, including one book entitled: *Advanced quantitative microbiology for food and biosystems: Models for predicting growth and inactivation*. CRC Press, Boca Raton FL, 2006.

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50 interactive programs in Wolfram's Demonstration Project (with Mark D. Normand).

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