



Sima Yaron

ACADEMIC DEGREES

- 1999 Ph.D., (direct Ph.D) Department of Food Engineering and Biotechnology, Technion, Israel
1994 B.Sc. (*Summa cum laude*), Dept. of Food Engineering and Biotechnology, Technion, Israel

ACADEMIC APPOINTMENTS

- 11/2012-present Vice dean for undergraduate studies
9/2008-present Associate Professor, Department of Biotechnology and Food Engineering, Technion, Haifa, Israel.
10/2001-2008 Senior lecturer, Department of Biotechnology and Food Engineering, Technion, Haifa, Israel.
4/1999-8/2001 Post-doctoral associate at the laboratory of Prof Karl R Matthews, Department of Food Science, Rutgers University, NJ, USA.

RESEARCH INTERESTS

- Interactions between foodborne pathogens and plants: molecular study of the behavior of *Salmonella* on leafy greens.
- Microbial food safety: Survival of pathogens in foodstuff, and novel methods for detection and inactivation of resistant pathogens.
- Microbial resistance of *Salmonella*: mechanisms of resistance to antibiotics, food preservatives and sanitizing agents.
- *Salmonella*'s biofilms: biofilm development on different surfaces, mechanisms of resistance of biofilm cells to antimicrobials, and development of new technologies for removal of biofilms.
- Gut microflora: the effect of prebiotic and probiotic supplements on the composition of the intestinal microbiota of infants.