

BIOGRAPHY

ADA RAFAELI

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Professor Rafaeli graduated from the University of British Columbia, Vancouver - British Columbia, Canada in 1975 and completed her doctoral thesis in Insect Physiology at the University of London, Imperial College - London, England in 1978.

The ultimate goal of Professor Rafaeli's research is to discover new methods for the control of pest populations without using toxic chemicals. She believes that through a thorough understanding of the endogenous regulatory mechanisms of key processes, which are crucial for the pest survival capabilities (reproductive behavior), we will be able to design products which will disrupt these mechanisms. Thus the understanding of these processes at the physiological, cellular and molecular levels will reveal new designs for the modelling of antagonists which will be used to block chemical communication and thereby prevent mating in target pest insects.

Professor Rafaeli is a Senior Research Scientist at the Agricultural Research Organization (ARO), Volcani Center, Bet Dagan, Israel (1993 - to date) and Adjunct Professor in Insect Physiology and Chemical Ecology, Department of Entomology, Hebrew University, Faculty of Agriculture, Rehovot, Israel (2005 - to date). She has published over 70 peer reviewed original scientific and review articles in international scientific journals and books. She is actively involved in training graduate students and has hosted several post-doctorate scientists in her laboratory. She has been invited to lecture at over 50 international conferences.

She has served in several local and international committees and served as President of the Entomological Society of Israel (2006 - 2010). She is on the Editorial board of the Israel Journal of Entomology and the ARO newsletter - Volcani Voice. She served as the Head of the Department of Stored Products, Institute for Technology and Storage of Agricultural Products, ARO (1996 - 2002) and from 2011 she serves as the Associate Director of Academic Affairs and International Cooperation at the ARO, Bet Dagan, Israel.

SKILLS

Insect Physiology, Biochemistry & Molecular Biology



PUBLICATIONS

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