

## **Professor Moshe Coll**

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**Resume** – Moshe Coll, a full professor of applied insect ecology, received his PhD in entomology from the University of Maryland USA in 1991 and then was a Post-Doctoral researcher at the Agricultural Research Organization of the US Department of Agriculture in Beltsville Maryland. Since 1994, his research at the Hebrew University promotes integrated management and biological control of agricultural pests, reduces pesticide use, and advances sustainable, environmentally-friendly agroecosystems. Professor Coll has been active also in academic management, including serving as vice-Dean for Academic Affairs, and being the founder of the International School of Agricultural Sciences at the HU.

**Professional background** – For more than 30-year, Professor Coll has been conducting research, advising extension officers and farmers, and collaborating with the private and public sectors on integrated pest management, biological control, and sustainable agroecosystems.

**Experience** – Professor Coll takes a holistic approach in his efforts to develop sustainable yet economically-viable agricultural systems. In an on-going project in his lab for example, he strives to integrate plant protection practices with pollination services provided by honeybees as well as by wild pollinators. He is the co-editor of a recent book entitled “Environmental Pest Management” (Wiley) and is the author or co-author of more than 80 book chapters, review articles, and peer-reviewed scientific papers. Some of his research was conducted in collaboration with scientists from the USA, Philippines, China, Ethiopia, South Africa, Turkmenistan, France, Nepal and more. During his 25-year tenure at the HU, Professor Coll had advised or co-advised 13 PhD and 40 MSc students, 9 of which internationals.

**Topics of expertise** – (i) integrated pest management (IPM); (ii) biological control (mass release, mass production and conservation of biocontrol agents); (iii) insect-provided pollination services to crop plants; (iv) develop monitoring protocols and decision-making tools for agricultural pests; (v) plant protection in greenhouse vegetable and cut-flower systems; (vi) land-use around crop fields and its effect on plant protection and pollination; (vii) manipulation of insect-symbiotic bacteria for plant protection; (viii) selection of crop resistance to pests; (ix) insect rearing; (x) crop diversity/ intercropping/ cover-cropping/ mulching and plant protection; (xi) organic plant protection.