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Aspects in *Tobamovirus* management

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In the recent decade, a new outbreak of old and new *Tobamovirus* occurred worldwide. The disease caused by the cucumber green mottle mosaic virus (CGMMV) in cucurbits melon watermelon and cucumber was reported in Israel, North-Europe, Canada, USA, Australia and the Far-east. Recently, the *Tobamovirus* tomato mottle mosaic virus (ToMMV) was discovered in tomato grown in Central America. In the Middle East; in Jordan and Israel, a new *Tobamovirus* isolate infects tomato plants harboring Tm-22 resistance genes putatively named tomato brown rugose fruit virus (TBRFV). The epidemiology and strategies for the *Tobamovirus* management were studied and developed in our national initiative project for CGMMV coordinated by our lab. Growers in large-scale fields adopted the outcome of this extensive study. The experience with CGMMV management was rapidly applied also for the new *Tobamovirus* disease management in tomatoes grown trellised in protected structures (greenhouses, walk-in tunnels, etc.).

Biography

Aviv Dombrovsky has completed his PhD from Hebrew University of Jerusalem, Faculty of Agriculture, Food and Environmental Quality Sciences, Rehovot, Israel and Post-doctoral studies from INRA/CNRS Sophia Antipolis-Agrobiotech, France. He is a Plant Virologist Researcher in the Department of Plant Pathology and Weed Science Agricultural Research Organization (ARO)- Volcani Center. He is the Scientific Manager of Central and North Arava Research and Development Center, Israel. He has published more than 30 papers in reputed journals and has been serving as an Editorial Board Member of *Phytoparasitica Journal*.

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