

State of Israel/Ministry of Agriculture
& Rural Development
Agricultural Research Organization
The Volcani Center
Office of the Director
Associate Director for Academic Affairs
& International Cooperation

מדינת ישראל/משרד החקלאות
ופיתוח הכפר
מינהל המחקר החקלאי
מרכז וולקני
לשכת ראש המינהל
ממונה על ענייני אקדמיה
וקשרים בינלאומיים

Program for Postdoctoral Fellowship Awards in Agriculture

Internal Ref # 21	Title of Research Project: Palm Protect	
Project Leader: Amots Hetzroni	Email : amots@volcani.agri.gov.il Phone : 972-3-9683843	
Institute: Agricultural Engineering Department: Sensing, Information and Mechanization Engineering		
The research team (other scientists):, Amos Mizrach and Victoria Soroker		
Short Description of Research Project (3-5 lines): This project aims at development of protocols for detection of early infestations of the Red palm weevil <i>Rhynchophorus ferrugineus</i> in quarantine palm trees using acoustic devices. Development of sensitive acoustic method for evaluation of potentially infested palms that is based on the audible chewing sounds produced by the developing larvae.		
Required Qualifications of Visiting Scientist: <i>Education:</i> Mathematics or Engineering with interest in entomology/biology <i>Scientific Experience:</i> Signal processing, programming, Matlab are advantageous <i>Abilities and Skills:</i> Mathematics, Signal processing, pattern recognition		

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