

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 # 29	Title of Research Project: Development of Safe Materials for Smart Food Packing Using Covalent Linkage of Antimicrobial Reagents
Project Leader: Dr Elena Poverenov	Email : elenap@volcani.agri.gov.il Phone : 972-39683354
Institute: Agricultural Research Organization (ARO) Volcani Center Department: Food Quality and Safety	
The research team (other scientists):	
Short Description of Research Project (3-5 lines): Microbial attacks on significantly decrease food availability, while intensive addition of antimicrobial agents causes health problems, environmental pollution and microbial resistances. In our laboratory we develop new "contact active materials" with covalently bound antimicrobial agents. Such materials defense food from pathogen attack, but they are safe to human since antimicrobial agent does not consumed and remained captured on the surface.	
Required Qualifications of Visiting Scientist: <i>Education:</i> Ph.D in Food Chemistry or Chemistry <i>Scientific Experience:</i> Synthetic Chemistry and Analytical Chemistry. <i>Abilities and Skills:</i> Synthesis, spectroscopic characterization methods and basic assays of in vitro activity.	

טל: 972-3- 3279

דרך המכבים ראשל"צ, ת.ד. 6 בית-דגן 50250 Israel
Fax: 972-3-9683269 פקס: Tel: 9683216/
Email: vtada@volcani.agri.gov.il