

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

<i>Internal Ref #</i> <b>37</b>	Title of Research Project: <b>Technologies for Sustainable Production in Protected Cultivation</b>	
Project Leader: <b>Dr. Meir Teitel</b>		Email : <a href="mailto:grteitel@agri.gov.il">grteitel@agri.gov.il</a> Phone : 97239683515
Institute: Agricultural Engineering Department: Growing production and environmental engineering		
The research team (other scientists): Dr. Geola Farhad		
Short Description of Research Project (3-5 lines): The project deals with the development of innovative technologies for the reduction of energy input in greenhouses. It will focus on the variable speed ventilation (VSV) technology and on harvesting solar energy for heating and electricity generation. It will mainly be an experimental study however whenever necessary models will be developed and used.		
Required Qualifications of Visiting Scientist: <i>Education:</i> Ph.D. in Mechanical or Agricultural engineering.  <i>Scientific Experience:</i> The applicant should have experience in measurement of environmental parameters such as radiation, heat flux, temperature and humidity. A good background in heat transfer and fluid mechanics is required.  <i>Abilities and Skills:</i> Fluent in English, good programming skills using scientific software, good background with data logging.		