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| <i>Internal Ref#</i><br><b>37</b>   | <b>Title of Research Project: Improving Phosphorus Fertilization Efficiency by Combining Bio-Stimulants Technology with Fertigation</b> |  |
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| <b>Institute: Soil, Water and Environmental Sciences</b>  |   |  |
| <b>Department: Soil Chemistry, Plant Nutrition and Microbiology</b>   |   |  |
| <b>The research team (other scientists): Dr Uri Yermiyahu, Dr Dror Minz</b>   |   |  |
| <b>Short Description of Research Project (3-5 lines):</b><br>The objective of this project is to improve phosphorus fertilization efficiency using innovative bio-stimulants technology in combination with drip irrigation. To evaluate the proposed approach, the effects of promising bio-stimulants on the availability of soil and applied phosphorus and it's uptake by tomatoes plants will be explored in laboratory and greenhouse experiments.  |   |  |
| <b>Required Qualifications of Visiting Scientist:</b><br><i>Education:</i><br>Soil Chemistry, Plant Nutrition, Soil Microbiology<br><br><i>Scientific Experience:</i><br>Nutrients interactions in soil (adsorption/desorption, precipitation/dissolution)<br>Fertilization management and plant response<br>Plants - Microorganisms interactions<br><br><i>Abilities and Skills:</i><br>Conducting laboratory and greenhouse experiments<br>Nutrients Analyses in Soil and Plant<br>Statistics of field experiments<br>Summarizing and publishing results in peer reviewed scientific journals |   |  |