**Partner search**

An Israeli led consortium led by Prof. Hassan Azaizeh setting up a proposal under call topic: **BBI-2020-SO1-D1**

**[Resolve supply-chain hurdles for turning residual waste streams into functional molecules for food and/or non-food market applications](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/bbi-2020-so1-d1)**

**A novel, green coccidiostat for poultry**

In the process of olive oil production using three-phase process, a highly polluting liquid waste of olive mill wastewater (OMW) is also produced. OMW is rich in polyphenols, high BOD and COD. The annual global amount of OMW is more than 8x106 m3. OMW contains compounds that are beneficial to human health; however, their extraction is not economically-viable. The present proposal aims at finding an economic solution to OMW, by separating noxious compounds from water and a feed additive, which can generate an income that could balance the cost of OMW disposal.

Chickens infected with *Eimeria* species, protozoan organisms causes high losses.The disease is triggered by the ingestion of sporulated oocysts, the infective unit of *Eimeria* spp. Economic costs, estimated at 300 million dollars yearly for the US, and 2 billion dollars worldwide, which are derived from impaired food efficiency and impaired growth performance of afflicted chicken. The ubiquitous use for prevention of synthetic coccidiostats costs 90 and 300 million USD in the US, and worldwide, respectively.

We claim that a product from OMW that impairs *Eimeria* sporulation is valuable as it prevents initial infection. We have patented (P-580-665) such a product. The proof of concept was established with 160 chicks allotted to 8 treatments, encompassing two groups of uninfected birds and six groups of *Eimeria*-infected birds.

Is looking for potential partners (academic researcher(s), SMEs, large industry) with expertise and experience in Coccidiosis in chicken and/or pigs and companies with expertise in OMWW treatment (centrifuge and evaporation).

**To express your interest please fill out the following form and send to:** **hazaizeh@yahoo.com**

**July 31, 2020**

**Organization Name:**

**Organization type (e.g. Academia, research institute, SME, etc.):**

**Contact name:**

**Role:**

**Mail:**

**Telephone (include international prefix):**

**Links to previously BBI or Eu funded projects sites you took part and a Description of your role and capacities in these projects:**

**Link to your organization website:**

**Your organization PIC number in the Funding and Tenders portal:**

**Describe your expertise in Coccidiosis in chicken and/or pigs in details:**

**Describe how your research/technology meets the TRL 6-7 requirement:**

**Describe any additional contribution to the consortium (e.g. your proposal writing skills, administrative capacities, additional partners you may bring with you, etc.):**