

Buenos Aires, noviembre de 2011

AQUACULTURE: PRODUCTION AND MANAGEMENT

March 5, 2012 – March 29, 2012

The Israeli Government provides grants of stay (including accommodation, food and health insurance), for which the candidate or institution that proposed should afford the airfare. Please note that the dates may be subject to change. Registration forms should be requested at the Embassy and inevitably be referred to it before **03/02/2012**, after which will be forwarded to the organizing team for the selection of candidates in Israel.

OBJECTIVES:

Israeli aquaculture has seen rapid changes since its establishment more than 50 years ago. Whereas extensive carp culture was the main aquaculture activity in the early days, Israeli aquaculture presently comprises a variety of fresh and marine aquatic species, each characterized by specific management methods.

Increasing populations in numerous countries around the world suffer from hunger, malnutrition and a lack of crucial protein in their diet. Growing fish in ponds (aquaculture) rather than in large lakes can provide an excellent source of protein for local populations. Hunger can be alleviated by utilizing existing water resources for the individual needs of the people living there.

The main problem is dwindling catches from the lakes and undeveloped aquaculture thus creating a big gap between supply and demand of fish for human consumption. These countries are endowed with abundant aquatic resources but have not been able to realize substantial production from aquaculture due to lack of technology in all aspects. Training of key leaders that belong either to the local academia or experts in the field will be equipped with the pre-requisite skills for increased aquaculture production on a commercial and sustainable basis. This is the guiding principle behind this program.

The program is intended to present the students with various aspects and developments of aquaculture with emphasis on the Israeli expertise, and to share experiences and know-how. Theoretical aspects of aquaculture (e.g. physiology, genetics, endocrinology, microbiology, reproduction) as well as more applied aspects (e.g. culture methods, breeding programs, species selection) are presented through frontal lectures and case studies as well as excursions and hands-on experience. It is geared for countries that have fresh water that can enable sustainable aquaculture.

The teaching staff comprises Faculty staff members as well as experts from other academic and governmental institutes. The program will especially benefit those participants with theoretical and practical experience in the aquaculture field.

Professor Berta Levavi-Sivan, the program coordinator from the Faculty of Agriculture, Food and Environment, has recently completed a 4-year project whose purpose was to combat depleted fish supplies in Lake Victoria. This project's success exceeded all expectations and created a breakthrough by improving the level of protein in the population with increased fish consumption and has led to further collaboration between several research institutions from Uganda with the support of the Hebrew University.

It is our anticipation that participants will enrich their respective countries with new scientific knowledge and research approaches, while simultaneously establishing a basis for future research cooperation between the participants and the researchers at the Robert H. Smith Faculty of Agricultural, Food and Environment. We also encourage follow-up programs in participants' home countries.

Candidates interested in attending this program require:

- An academic degree (B.Sc. or M.Sc.) in biology, animal sciences, agriculture, or in a related field from a recognized university.
- An authorized certificate of English proficiency at a level of at least 89 on the TOEFL new Internet based scale or an internationally recognized equivalent.
- A detailed record of studies and copies of degrees must be included with application forms.
- An official certificate of good health.
- Professional experience in the field of aquaculture is preferable.
- Letters of recommendation from the candidate's place of work or study.

Division for External Studies

Robert H. Smith Faculty of Agriculture, Food & Environment
P.O. Box 12
Rehovot, Israel 76100

For more information contact

Liliana Soifer
Encargada de Cursos y Becas
Departamento de Cooperación Internacional
Embajada de Israel
Av. de Mayo 701, piso 10
1084-Buenos Aires.
Tel(54 11) 3724-4522 Fax:(54 11) 3724-4624
Mail: mashav@buenosaires.mfa.gov.il
Website: <http://buenosaires.mfa.gov.il>