



INTENSIVE STUDY PROGRAMME “BREEDING AND SEED PRODUCTION”

EGE UNIVERSITY

February 6th to 19th, 2017

Intensive Study Programme at Ege University took place between 6th and 17th of February, 2017. The programme was held at Ege University in Izmir till 13th of February, then we moved to Antalya to continue the rest of the programme. Totally, 11 master students consisting of 3 master students from UPV, 5 master students from LaSalle and 3 master students from Ege, attended the courses. The social and cultural tours were organised on 11th of February to Ephesus antic city, and Virgin Marry House and Village Sirince in Selcuk.

The students have taken theoretical courses on vegetable seed industry in Turkey and all over the world; main aspects for vegetable and fruit breeding; breeding methods for some horticultural crops such as grape, pomegranate, citrus, tomato, pepper, lettuce, cucumber and field crops such as wheat, sunflower and rice; genetic resources, overview of seed quality and vigour; seed enhancement treatments. During the ISP, there were several excursions including National Gene Bank and ICARDA-wheat research centre in Izmir, several seed companies in Antalya such as Enza-Zaden, Rijk Zwan, Antalya Seed Company, Axia Seed. Then they also took a course on innovation and Research&Development, project preparation. Finally, they prepared breeding projects as being involved into 3 groups; “development of resistant variety against to *Tuta absoluta* in tomato”, “breeding for long shelf life lettuce”, “improvement of broccoli for heat tolerance”. They presented these projects in the Multiplier Event Meeting to which seed sector people and Turkish Breeder Union participated. After the presentations, the certificates of attendance were given to the students.

At the end of the ISP, the students evaluated the ISP programme via questionnaire.

DRAFT PROGRAMME FOR ISP COURSE (6 -19 FEBRUARY-2017)

5/FEB 2017

Arrival of the students

6 FEB/MONDAY

09:00-11:00 Welcome/orientation Ege U (Hi)

11:00-12:00 ISP programme info

12:00-13:00 Lunch

13:00-15:00 Seed Sector in Turkey and World (AA)

15:00-17:00 Vegetable Breeding Aspects (AA)

7 FEB/THUESDAY

09:00-11:00 Biodiversity and breeding (ED)

11:00-12:00 Genetic resources and conservation (ED)

12:00-13:00 Lunch

13:00-15:00 Seed production (Hi)

15:00-17:00 Project Preparation for Breeding & Seed Production

8 FEB/WEDNESDAY

09:00-12:00 Vegetable seed production (Hi)

12:00-13:00 Lunch

13:00-15:00 Seed quality assessment and tests (Hi)

15:00-17:00 Project preparation for Breeding & Seed Production

9 FEB/THURSDAY

09:00-10:00 Application Possibilities of Plant Cell

10:00-11:00 Tissue and Organ Cultures in Plant Breeding (AG)

11:00-12:00 Practice (BA)

12:00-13:00 Lunch

13:00-17:00 Gene Bank & Seed Company visit

10 FEB/FRIDAY

09:00-11:00 Fruit Breeding Principles (BÇ)

11:00-12:00 Grape Breeding (BÇ)

12:00-13:00 Lunch

13:00-15:00 Pomegranate breeding (KY)

15:00-17:00 Citrus breeding (MSÇ)

11 FEB/SATURDAY

09:00-11:00 Practice for seed quality tests

11:00-12:00 Project works

12:00-13:00 Lunch

13:00-14:00 Project works

14:00-16:00 City tour

16:00 Social night

13 FEB/MONDAY

09:00-12:00 Innovation perspective (ST)

12:00-13:00 Lunch

13:00-15:00 Molecular Breeding (BÇ)

15:00-17:00 Project preparation for Breeding & Seed Production

14 FEB/TUESDAY

09:00-10:00 Seed quality tests (Hi)

10:00-12:00 Practice

12:00-13:00 Lunch

13:00 -17:00 Project preparation for Breeding & Seed Production

20:00 Departure for Antalya

15 FEB/WEDNESDAY

09:00-10:00 Solanaceae Breeding strategies
10:00-12:00 (visit Antalya Seed Company)
(Sinan
12:00-13:00 Lunch
13:00-15:00 Sunflower breeding (YK)
15:00-17:00 Rice Breeding (NB)

16 FEB/THURSDAY

09:00-12:00 Seed enhancement treatments
(SK)
12:00-13:00 Lunch
13:00-15:00 Registration system in Turkey (KY)
15:00-17:00 Project preparation for Breeding &
Seed Production

17 FEB/FRIDAY

09:00-10:00 Cucumber and salads breeding
10:00-12:00 (visit RickZwan Seed Company)

12:00-13:00 Lunch

13:00-15:00 wheat breeding (VE)

15:00 -17:00 preparation project presentation

18 FEB/ SATURDAY

09:00-10:00 Registration

10:00 Presentation of the EPBC project to seed
companies

11:00 Turkish Breeding Union (BISAB)
Presentation

12:00-13:00 Lunch

13:00-15:00 Student projects presentation

15:00-16:00 Projects evaluation

16:00 project awards

For Antalya programme we will find extra fund
from seed companies and BISAB