



5th International Symposium on Broomrape in Sunflower

1-3 November, 2023
Megasaray Westbeach Hotel, Antalya, Turkey



OROBANS 2023 SYMPOSIUM PROGRAM

PLENARY SESSION



TÜRKİYE CUMHURİYETİ'NİN YÜZÜNCÜ YILI

WEDNESDAY, NOVEMBER 1 ST , 2023	
09 ⁰⁰ - 10 ⁰⁰	Registration
10 ⁰⁰ - 10 ¹⁰	Opening Ceremony
10 ¹⁰ - 12 ⁰⁰	OPENING SESSION: Session Chair: DR. VLADIMIR MIKLIC , <i>Ex-President of ISA</i> , Novisad Research Inst, SERBIA
10 ¹⁰ - 10 ⁵⁰	Dr Leonardo VELASCO , Institute for Sustainable Agriculture CSIC, Spain “Broomrape resistance from wild species”
10 ⁵⁰ - 11 ²⁰	PROF DR Dragana MILADINOVIĆ - Novisad Research Inst, Serbia “New approaches for achieving durable resistance to broomrape in sunflower ”
11 ²⁰ - 12 ⁰⁰	Dr Mehmet DEMIRCI , Freelancer, Turkey - “CLEARFIELD control of broomrape parasite & weeds: A success story in sunflower”
12 ⁰⁰ - 13 ⁰⁰	LUNCH

1 st Ses	MAIN HALL Chair: Assoc Prof Dr Necmi BEŞER - Molecular Genetics for Broomrape Tolerance Session
1 13 ⁰⁰ - 13 ⁴⁰	KEYNOTE SPEECH: The STIGO project: Deciphering the molecular dialog of <i>O. cumana</i> seeds germination - <u>Stephane Munos</u>
2 13 ⁴⁰ - 14 ²⁰	KEYNOTE SPEECH: Development CRISPR / CAS9 - Mediated Resistance in Sunflower against <i>O. cumana</i> - <u>Kubilay Yıldırım</u> , <u>Ilkay Sevgen Küçük</u> , <u>Dragana Miladinović</u> , <u>Çiğdem Gökcek Saraç</u>
3 14 ²⁰ - 15 ⁰⁰	KEYNOTE SPEECH: Transcriptome analysis and gene mining of broomrape in sunflower-broomrape pathosystem - <u>Ningning Yan</u> , <u>Zhao Jun</u>
15 ⁰⁰ - 15 ³⁰	Coffee Break
2 nd Ses	MAIN HALL Chair: Prof Dr ZHAO JUN – Molecular Breeding and Genetics of Broomrape Session
4 15 ³⁰ - 15 ⁵⁰	DNA marker for marker-assisted selection for sunflower resistance to race G of broomrape - <u>Dmitrii Savichenko</u> , <u>Saida Guchetl</u> , <u>Yakov Demurin</u> , <u>Yulia Chebanova</u> , <u>Olga Rubanova</u>
5 15 ⁵⁰ - 16 ¹⁰	Genetic diversity analysis of broomrape (<i>Orobanche cumana</i>) populations in sunflower growing areas in Europe - <u>Clothilde Boubée De Gramont</u> , <u>Sophie Bellone</u> , <u>Mario Hernandez</u> , <u>Isabelle André</u> , <u>Nicole Lucante</u> , <u>Clotilde Claudel</u>
6 16 ¹⁰ - 16 ³⁰	Application of SSR markers to reveal the genetic diversity of sunflower broomrape in China - <u>ZHANG Yu-Kuan</u> , <u>LIU Jin-Ping</u> , <u>LIU Zhida</u> , <u>ZHANG Zhiwei</u> , <u>ZHANG Wenbing</u> , <u>YANG Jia-Le</u> , <u>ZHANG Jian</u> , <u>ZHAO Jun</u>
7 16 ³⁰ - 16 ⁵⁰	Molecular Characterization of some Wild Sunflower Species (<i>Helianthus spp.</i>) and Interspecific Hybrids based on Broomrape Resistance - <u>Havva Akar</u> , <u>Yalçın Kaya</u> , <u>Semra Hasançebi</u> , <u>Emrah Akpınar</u> , <u>Necmi Beşer</u>
16 ⁵⁰ - 17 ⁰⁰	Discussion
17 ⁰⁰ - 17 ³⁰	POSTER SESSION

3 RD Ses	THURSDAY, NOVEMBER 2 ND , 2023
09³⁰ - 12⁰⁰	HALL 2 Chair: Prof Dr BEGONA PEREZ VICH – Resistance Breeding and Biology of Broomrape Session
8 09 ³⁰ - 10 ⁰⁰	KEYNOTE SPEECH: Effect of gene dose on broomrape resistance in sunflower - <u>Yakov Demurin</u> , <u>Yulia Chebanova</u> , <u>Olga Rubanova</u>
9 10 ⁰⁰ - 10 ²⁰	A preliminary study on the identification of different sunflower varieties with the level of resistance to Race G minor species and the mechanism of resistance - <u>Bao Ting-Ting</u> , <u>Shi Sheng-Hua</u> , <u>Yan Ning</u> , <u>Liu Zhi-Da</u> , <u>Yang Jia-Le</u> , <u>Zhang WenBing</u> , <u>Zhang Jian</u> , <u>Zhang Zhi-Wei</u> , <u>Zhao Jun</u>
10 10 ²⁰ - 10 ⁴⁰	Mechanism of ‘Jinmiao Target’ in Inhibiting <i>Orobanche cumana</i> Parasitism of Sunflower - <u>Zhang Jian</u> , <u>Duan Rui</u> , <u>Liu Zhida</u> , <u>Guo Xiaoqing</u> , <u>Zhang Zhiwei</u> , <u>Zhang Wenbing</u> , <u>Zhao Jun</u>
10 ⁴⁰ - 10 ⁵⁰	Discussion
10 ⁵⁰ - 11 ¹⁰	Coffee Break

11 11 ¹⁰ – 11 ³⁰	In the race with the broomrape - Is there a winner? <u>Milan Jocković</u> , Siniša Jocić, Sandra Cvejić, Nemanja Ćuk, Aleksandra Radanović, Vladimir Miklič, Jelena Jocković, Dragana Miladinović, Boško Dedić
12 11 ³⁰ – 11 ⁵⁰	Determination of resistance of oil sunflower maintainer lines to broomrape populations in the Çukurova region – Ayse Nuran Cil, Yılmaz Yaşar, Abdullah Çil
11 ⁵⁰ - 12 ⁰⁰	Discussion
12 ⁰⁰ -13 ⁰⁰	LUNCH
4th Ses	HALL 2 Chair: Burak UĞUR – The Racial Status of Broomrape Session
13 13 ⁰⁰ - 13 ³⁰	KEYNOTE SPEECH: Recent Developments in Broomrape in Sunflower in the World – <u>Yalcin Kaya</u>
14 13 ³⁰ - 13 ⁵⁰	Update of sunflower broomrape situation in Spain - <u>Begona Perez</u>
15 13 ⁵⁰ - 14 ¹⁰	Monitoring of <i>Orobanche cumana</i> Wallr races in sunflower fields of North East Greece - <u>Garyfalia Economou</u>
16 14 ¹⁰ - 14 ³⁰	Evolution of <i>Orobanche cumana</i> Wallr. in intensive sunflower cultivation in regions of Russian Federation - <u>Tatiana Antonova</u> , Nina Araslanova, Maria Iwebor, Svetlana Saukova
14 ³⁰ - 14 ⁴⁰	Discussion
14 ⁴⁰ - 15 ²⁰	Coffee Break
5th Ses	HALL 2 Chair: Prof Dr Maria DUCA – Integrated Management and Control of Broomrape Session
17 15 ²⁰ - 16 ⁰⁰	KEYNOTE SPEECH: Recent situation of chemical control on broomrape - Maria Pacureanu
18 16 ⁰⁰ - 16 ²⁰	Determination of agricultural policy factors and their effects affecting producers' preference for production of oily sunflower: the case of Thrace region - Burak Uğur
19 16 ²⁰ -16 ⁴⁰	Advancing Biocontrol Strategies for Broomrape Management - Deniz İnci, <u>Emre Eren Muslu</u> , Ayşe Kökdemir, Sena Er, Seçkin Kaya, Ahmet Uludağ
16 ⁴⁰ - 16 ⁵⁰	Discussion
16 ⁵⁰ - 17 ³⁰	POSTER SESSION
20 ³⁰ -23 ³⁰	GALA NIGHT (FASIL MUSIC & TURKISH DANCE ENTERTAINMENT)

3RD Ses	FRIDAY, NOVEMBER 4RD, 2023
10 ⁰⁰ -12 ⁰⁰	HALL 2 Chair: Dr Maria PACUREANU
20 10 ⁰⁰ - 11 ⁴⁵	DISCUSSION: INTERNATIONAL SUNFLOWER COLLABORATION INITIATIVE
11 ⁴⁵ - 12 ⁰⁰	CLOSING OF SYMPOSIUM

POSTER SESSION

All posters will be exhibited e poster pano during the congress in the main hall as well as in the internet as online

#	TITLE AND AUTHORS
1	Climate-responsive approaches for building durable resistance of sunflower to broomrape in evolving environmental conditions - <u>Sandra Cvejić</u> , Siniša Jocić, Milan Jocković, Boško Dedić, Aleksandra Radanović, Nemanja Ćuk, Vladimir Miklič, Dragana Miladinović
2	Content and oil yield of sunflower (<i>Helianthus annuus</i>) - hybrid Deveda depending on the main tillage system - <u>Nina Nenova</u> , Margarita Nankova
3	Influence of broomrape on some anatomical and physiological traits in sunflower - Maria Duca, <u>Steliana Clapco</u> , Ion Burcovschi, Angela Port
4	Study the response of different interspecific sunflower forms to peg-mediated water stress - Daniela Valkova
5	Races of broomrape present in South-Eastern Romania - Florin Gabriel Anton
6	Wild <i>Helianthus</i> species as a valuable breeding source for broomrape resistance of cultivated sunflower (<i>Helianthus annuus</i> L.) - <u>Jelena Jocković</u> , Sandra Cvejić, Aleksandra Radanović, Milan Jocković, Siniša Jocić, Dragana Miladinović, Lana Zorić, Jadranka Luković
7	"KRASELA"- The first Bulgarian sunflower hybrid, resistant to broomrape (Race H) and stable yield potential under limited moisture conditions - Nina Nenova
8	Determining the Yield Performances and the Resistance to Broomrape and Downy Mildew of IMI Type Sunflower (<i>Helianthus annuus</i> L.) Hybrids in Different Locations - <u>Ibrahim Mehmet Yilmaz</u> , Samet Saglam, Bayram Serkan Cabar, Veli Pekcan, Ayhan Pirinc