

## TÜRKİYE'DE *SICYOS ANGULATUS* ÜZERİNDEKİ KARPUZ MOSAİK VİRÜSÜ (WMV-2)'NİN İLK TESPİTİ\*

**Fatime KORKMAZ<sup>1</sup>, Kübra KARACA<sup>1</sup>, Cumali ÖZASLAN<sup>2</sup>, Yusuf YANAR<sup>1</sup>, Hüseyin ÖNEN<sup>1</sup>**

<sup>1</sup>Gaziosmanpaşa Üniversitesi, ZiraatFakültesi, BitkiKorumaBölümü, Tokat, Türkiye

<sup>2</sup>Dicle Üniversitesi, ZiraatFakültesi, BitkiKurumaBölümü, Diyarbakır, Türkiye

[fatimekorkmaz07@gmail.com](mailto:fatimekorkmaz07@gmail.com)

### Özet

Bu çalışma dünyanın önemli istilacı kategorisinde yer alan ve Karadeniz Bölgesinde istila edilen geniş alanlardan toplanan *Sicyos angulatus* üzerinde virüs hastalıklarını belirlemek amacıyla yapılmıştır. Virüslerin tanılanması Double Antibody Sandwich ELİSA (DAS ELİSA) testiile *Cucumber Mosaic Virus*(CMV), *Tobacco Mosaic Virus* (TMV), *Tomato Mosaic Virus* (ToMV), *Karpuz Mosaic Virus* (WMV-2), *Zucchini Yellow Mosaic Virus*(ZYMV), *Squash Mosaic Virus* (SqMV), *Papaya ringspot virus* (PRSV), *Potato Virus Y* (PVY) antiserumları kullanılarak yapılmıştır. Yapılan testlerde *Cucumber Mosaic Virus* (CMV), *Tobacco Mosaic Virus* (TMV), *Tomato Mosaic Virus* (ToMV), *Zucchini Yellow Mosaic Virus* (ZYMV), *Squash Mosaic Virus* (SqMV), *Papaya ringspot virus* (PRSV), *Potato Virus Y* (PVY) virüslerine rastlanmamış olup sadece *Karpuz Mosaic Virüs* (WMV-2) tespit edilmiştir.

**Anahtar Kelimeler:** *Sicyos angulatus*, WMV-2, İlk tespit, Türkiye

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**FIRST REPORT OF WATERMELON MOSAIC VIRUS (WMV-2) ON *SICYOS ANGULATUS* IN TURKEY\***

**Fatime KORKMAZ<sup>1</sup>, Kübra KARACA<sup>1</sup>, Cumali OZASLAN<sup>2</sup>, Yusuf YANAR<sup>1</sup>,  
Hüseyin ONEN<sup>1</sup>**

<sup>1</sup>Department of Plant Protection, Faculty of Agriculture, Gaziosmanpaşa University Tokat,  
Turkey

<sup>2</sup>Department of Plant Protection, Faculty of Agriculture, Dicle University Diyarbakır, Turkey

[fatimekorkmaz07@gmail.com](mailto:fatimekorkmaz07@gmail.com)

**Abstract**

This study was aimed at determining the disease found on the leaves of troublesome invasive vine *Sicyos angulatus* collected from Black Sea region. The infested leaves were collected from the field and brought to laboratory for detecting the possible virus infesting the leaves. Total 8 different viruses; *Cucumber Mosaic Virus* (CMV), *Tobacco Mosaic Virus* (TMV), *Tomato Mosaic Virus* (ToMV), *Karpuz Mosaic Virus* (WMV-2), *Zucchini Yellow Mosaic Virus* (ZYMV), *Squash Mosaic Virus* (SqMV), *Papaya ringspot virus* (PRSV), *Potato Virus Y* (PVY) were tested using Double Antibody Sandwich ELISA (DAS-ELISA). Among tested viruses, only Watermelon Mosaic Virus (WMV-2) was identified from the collected leaves. With the results of study, we present the first record of WMV-2 on *S. angulatus* in Turkey.

**Keywords:** *Sicyos angulatus*, WMV-2, First report, Turkey

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