

286-2 **First report of *Cucumber mosaic virus* infecting *Ocimum campechianum***
(Primeiro relato de *Cucumber mosaic virus* infectando *Ocimum campechianum*)

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Resumo

Alfavaca (*Ocimum campechianum*) belongs to the Lamiaceae family, and is largely cultivated in the State of Pará, used in local culinary (Pato-no-Tucupi, fishes, etc.) and medicinally. Many virus genera are reported in plants of the *Ocimum* genus but, until now, there were no reports of virus on this culture in Brazil. In vegetable producing municipalities, neighbors to the capital, Belém, it is common to observe alfavaca plants with foliar mosaic. In order to identify and characterize the mosaic causing virus, we performed a purification of viral particles from alfavaca leaves with mosaic, followed by the observation in electronic microscopy. We performed the extraction of the viral RNA from partially purified viral particles, followed by the RT-PCR using primers specific to *Cucumber mosaic virus* - CMV which amplifies 2/3 of the coat protein and 1/3 of the non-translated region. The nucleotide sequencing was done directly from the RT-PCR product. We observed isometric particles of close to 28 nm of diameter. After the electrophoresis of the RT-PCR product we observed the band of close to 488 pb expected of the CMV which, after being cleaved with the *EcoRI* and *MspI* enzymes, presented the restriction profile characteristic of group I. In addition, we observed the nucleotide identity of 98% with CMV accession available in GenBank. This is the first report of *Cucumber mosaic virus* on *O. campechianum*.

Apoio: FINEP, CNPq