

## EFFECT OF PUMPKIN MOSAIC VIRUS ON NITROGEN AND PROTEIN METABOLISM OF *CUCURBITA PEPO* (L.)

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**ABSTRACT** : The effect of three strains of Pumpkin Mosaic Virus (PMV) infection on the nitrogen and protein metabolism of *Cucurbita pepo* leaves and stems indicated that the levels of total nitrogen and total protein were higher in comparison to healthy plants. The nitrogen content in leaf, increase in the samples infected with PMC followed by PMM and PMVB. But in stem the highest increase was found in plant infected with PMVB followed by PMM and PMC. The highest protein content was observed in infected samples (leaf and stems) with PMVB strain of virus followed by PMM and PMC

**Key Words** : Pumpkin mosaic virus, cucurbita plant, nitrogen, protein.