## Synthesis of an Organic-Inorganic Salt of (C2H5NO2) 2H4SiW12O40 and Investigation of Its Anti-Viral Effect on the Tobacco Mosaic Virus (TMV)

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**Abstract :** Polyoxometalates (POMs) are important inorganic compounds that have been considered specifically in recent years due to abundant attributes and applications. Those POMs that have one central tetrahedral atom called keggin. The binding Amino-acid groups to keggin structure give the antivirus effect to these compounds. A new organic-inorganic hybrid structure, with formula (Gly)2H4SiW12O40 was synthesized. Investigation on Anti-viral effect of this compound showed the (Gly)2H4SiW12O40 prevents infection of Tobacco Mosaic Virus (TMV) on the Nicotianatabacum plants.

Keywords : Polyoxometalate, Keggin, Organic-inorganic salt, TMV

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