**Anti-Viral Potential of *Allium sativum***

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**Abstract**

Chemistry is essential components for the public health and pharmacy. In new drug discovery; the process of Pharmaceutics and pharmacology takes place only after when a chemist discovers a new chemical entity. In the drug discovery and development also, the role of Ayurveda and Mother Nature can never be denied. The phenomenon “*Continue your research and gain handsome results*” will be in the continuation in case of herbal remedies. Pharmacognostically, *Allium sativum* (Garlic) is classified in the Lilliaceae family**,** Plantae kingdom and in Allium genus. About 28.16 million tons of *Allium sativum* is produced worldwide. Garlic is well known for its medicinal effects and curative actions. Antibacterial, antiprotozoal, antifungal, antihypertensive, anticancer properties of *Allium sativum* are studied widely. But its antiviral action should be studied more for wonderful outcomes. Aliin, allicin, ajoene, allylpropyl, flavonoids, organosulpher compounds are the active chemical moieties of *Allium sativum*. When Allicin is hydrolysed and passed through bisulphide then a new moiety i.e. Diallyl Trisulphide is formed. This chemical moiety has shown a decrease in the activity of HIV, Cytomegalovirus, Herpes Simplex virus, influenza virus etc. Examples of virus include the single stranded RNA Viruses and DNA viruses also. As it has shown effects against single stranded RNA viruses also, so there is a ray of hope that this chemical entity can also show the effective action against SARS-2 virus. More studies and more clinical trials are needful to support/show the antiviral potential of *Allium sativum*.

**Keywords:** Drug discovery, curative actions, organosulpher compounds, antiviral, clinical trials.