Supplementary Data -**A STUDY ON SOME STRUCTURAL FEATURES RESPONSIBLE FOR**

SARS-COV-2 INFECTION   FATALITY

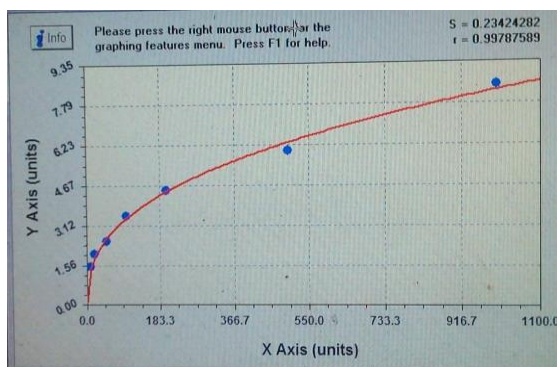Data Availability - [10 ,1.5] [20,2][50,2.5] [100,3.5][200,4.5][500,6] , [1000,8.5]

REF : *Molecular weight–gyration radius relation of globular proteins: a comparison of light* scattering, small-angle X-ray scattering and structure-based data **,** P. 1604

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4603275/# **,**

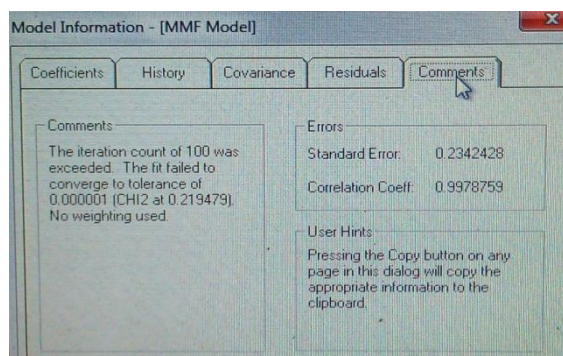**(**https://dx.doi.org/10.1107%2FS1600576715015551 **)**

1.   Standard Curve (**Figure –III**) – Software used : Curve Expert 1.4

2.   Software Output –

r = 0.9978 , s = 0.2342 , p < 0.0001 , @ 0.01 interval

Radius of Gyration (Rg) – SARS-COV-2 (Computed) -   3.9+_2.95 +_0.7 nm for

Molecular Weight of spike protein 180KDa ,110KDa ,35 KDa respectively .

REF : Characterization of the SARS-CoV-2 Spike in an Early Prefusion Conformation-

https://doi.org/10.1101/2020.03.16.994152 ,(line No .116-118) .