

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211075171 A

(19) INDIA

(22) Date of filing of Application :24/12/2022

(43) Publication Date : 30/12/2022

(54) Title of the invention : AN INNOVATIVE GEOMETRIC MODEL TO BREAK THE COVID-19 CHAIN

<p>(51) International classification :A61B0005000000, G16H0030400000, G16H0050800000, A61B0005349000, G16H0020400000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)VEDANT GARG</b> Address of Applicant :Jayoti Vidyapeeth Women's University, Vedaant Gyan Valley, Village-Jharna, Mahala Jobner Link Road, Jaipur Ajmer Express Way, NH-8, Jaipur-303122, Rajasthan (INDIA) ----- <b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor : <b>1)Dr. Shobha Lal</b> Address of Applicant :Jayoti Vidyapeeth Women's University, Vedaant Gyan Valley, Village-Jharna, Mahala Jobner Link Road, Jaipur Ajmer Express Way, NH-8, Jaipur-303122, Rajasthan (INDIA). Jaipur ----- <b>2)Dr. Hema Bafila</b> Address of Applicant :Jayoti Vidyapeeth Women's University, Vedaant Gyan Valley, Village-Jharna, Mahala Jobner Link Road, Jaipur Ajmer Express Way, NH-8, Jaipur-303122, Rajasthan (INDIA). Jaipur -----</p>
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(57) Abstract :

Spread of Covid -19 virus constitutes a chain that is geometric in mathematical nature and a model is developed in the form of Geometric progression that clear explains that how without breaking the chain it is not possible to minimize the spread rate. To optimize the resources physicals, suggested model be taken into the account. Model suggests that a series of infected may be like a Geometric progression in which first term, is multiplied by the common ratio. If there are two people founded Covid -19 infected then these two can infect four others and then in the third term eight , then sixteen , then thirty two and so on. Model may be shown as  $2+4+8+16+32+64+128+256+---$  Here 2 is the first term of this geometric model and common ration is two . This chain is showing how fast is growth rate of spreading of Covid infection. If at any instant this Geometric chain is break there is possibility of control of Covid chain break.

No. of Pages : 4 No. of Claims : 3