

पेटेंट कार्यालय  
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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : MOLECULAR MODELLING OF ANTIVIRAL THIAZOLO-OXADIAZOLE NUCLEOSIDE DERIVATIVES FOR DISEASE MANAGEMENT OF CORN AND BEAN VIRUS

<p>(51) International classification :A61P0031120000, A01N0025040000, G06Q0050020000, G06F0030340000, C07K0014415000</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 :</p> <p><b>1)Dr Sarika Arora</b> Address of Applicant :Associate Professor, Department of Chemistry, School of Sciences, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p> <p><b>2)Mr. Nadeem Alam</b></p> <p><b>3)Dr Ila Arora</b></p> <p><b>4)Dr Rajan Singh</b></p> <p><b>5)Ms. Pallavi Deval</b></p> <p><b>6)Ms. Asiya Ibraheem</b></p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p><b>1)Dr Sarika Arora</b> Address of Applicant :Associate Professor, Department of Chemistry, School of Sciences, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p> <p><b>2)Mr. Nadeem Alam</b> Address of Applicant :Research Scholar, Department of Chemistry, School of Sciences, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p> <p><b>3)Dr Ila Arora</b> Address of Applicant :Assistant Professor, School of Business Management, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p> <p><b>4)Dr Rajan Singh</b> Address of Applicant :Assistant Professor, Department of Mathematics, School of Sciences, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p> <p><b>5)Ms. Pallavi Deval</b> Address of Applicant :Research Scholar, Department of Chemistry, School of Sciences, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p> <p><b>6)Ms. Asiya Ibraheem</b> Address of Applicant :Research Scholar, Department of Chemistry, School of Sciences, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p>
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## (57) Abstract :

The present invention relates to the antiviral measures employed benefit greatly from the latest knowledge highlighted by plant virologists, geneticists, and molecular biologists, as well as engineers and breeders, whose coordinated effort enables the deployment of crop improvement programs. The cost of maintaining crops using conventional pesticides outweighs the economic benefits from crop production and yield. Designing the different thiazoloxadiazole derivatives carrying different pharmacological groups to investigate their antiviral activities required for the control of plant viruses (corn virus and bean virus). For the design of the said thiazoloxadiazole molecules, online software was used. After designing of the nucleoside molecules, docking with proteins of plant viruses will be done to get the data for screening of the antiviral activity.

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