(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/01/2024

(21) Application No.202411006538 A
(43) Publication Date : 09/02/2024

(54) Title of the invention : MACHINE LEARNING BASED MODELS TO STUDY THE ROLE OF IMMUNE CELLS IN THE PATHOGENESIS AND PROGRESSION CARDIOVASCULAR DISEASES

(51) International classification	:G06N0020000000, A61P0009000000, A61B0005145000, H04W0004029000, G01N0033487000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)MJP ROHILKHAND UNIVERSITY
Address of Applicant :MJP ROHILKHAND UNIVERSITY, BAREILLY, INDIA. Bareilly ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr Amit Kumar Verma
Address of Applicant :Assistant Professor, Dept. of Pharmacy, MJP Rohilkhand University, Bareilly, India Bareilly ---------- ----------
2)Dr Amit Singh
Address of Applicant :Associate Professor, Department of Law, MJP Rohilkhand University, Bareilly, India Bareilly ---------- ----------
3)Dr Saurabh Mishra
Address of Applicant :Assistant Professor, Department of Pharmacy, MJP Rohilkhand University, Bareilly, India Bareilly ---------- ----------
4)Prof S K Pandey
Address of Applicant :Professor, Department of Applied Chemistry, MJP Rohilkhand University, Bareilly, India Bareilly ---------- ----------
5)Prof Sudhir Kumar
Address of Applicant :Professor, Department of Applied Physics, MJP Rohilkhand University, Bareilly, India Bareilly ---------- ----------
6)Prof. Vinay Rishiwal
Address of Applicant :Dept. of CSIT, MJPRU, MJP Rohilkhand University, Bareilly, India Bareilly ---------- ----------

(57) Abstract :
Machine Learning based models to study the role of immune cells in the pathogenesis and progression cardiovascular diseases is the proposed invention. The proposed invention focuses on studying the comparison between pathogenesis and progression cardiovascular diseases. The invention focuses on analyzing the role of immune cells in cardiovascular diseases using algorithms of Machine Learning.

No. of Pages : 13 No. of Claims : 5