

(54) Title of the invention : DEEP LEARNING BASED APPROACH TO STUDY THE CHARACTERISTICS OF VARIOUS MICRO PLASTIC DEGRADING ENZYMES THAT ARE RELEASED FROM MICROORGANISMS

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| <p>(51) International classification :A24B0015200000, A23L0003344500, C07D0401040000, A61K0009080000, A61K0009500000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</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 : 1)Mr. B. MAHESWARAN Address of Applicant :POST GRADUATE AND RESEARCH DEPARTMENT OF BIOTECHNOLOGY, JAMAL MOHAMED COLLEGE (AUTONOMOUS), AFFILIATED TO BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI, 620 020 Trichy -----</p> <p>2)Dr. P.PANDISELVAM 3)Mr. R. VENGATESH KUMAR 4)Dr. M.SHANMUGAPRIYA 5)Dr. K.S. JEYALAKSHMI 6)Dr. J. SEBASTIN RAJ 7)Mr. M. PANNEERSELVAM 8)Mr. C. ANAND</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Mr. B. MAHESWARAN Address of Applicant :POST GRADUATE AND RESEARCH DEPARTMENT OF BIOTECHNOLOGY, JAMAL MOHAMED COLLEGE (AUTONOMOUS), AFFILIATED TO BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI, 620 020 Trichy -----</p> <p>2)Dr. P.PANDISELVAM Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE (SF), AYYA NADAR JANAKI AMMAL COLLEGE (AUTONOMOUS), SIVAKASI - 626 124 Sivakasi -----</p> <p>3)Mr. R. VENGATESH KUMAR Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER APPLICATIONS, AYYA NADAR JANAKI AMMAL COLLEGE (AUTONOMOUS), SIVAKASI - 626 124 Sivakasi -----</p> <p>4)Dr. M.SHANMUGAPRIYA Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE (SF), AYYA NADAR JANAKI AMMAL COLLEGE (AUTONOMOUS), SIVAKASI - 626 124 Sivakasi -----</p> <p>5)Dr. K.S. JEYALAKSHMI Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE, N. M.S.S.VELLAICHAMY NADAR COLLEGE, MADURAI-625 019 Madurai --</p> <p>6)Dr. J. SEBASTIN RAJ Address of Applicant :POST GRADUATE AND RESEARCH DEPARTMENT OF BIOTECHNOLOGY, JAMAL MOHAMED COLLEGE (AUTONOMOUS), AFFILIATED TO BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI, 620 020 Trichy -----</p> <p>7)Mr. M. PANNEERSELVAM Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE (SF), AYYA NADAR JANAKI AMMAL COLLEGE (AUTONOMOUS), SIVAKASI - 626 124 Sivakasi -----</p> <p>8)Mr. C. ANAND Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE (SF), AYYA NADAR JANAKI AMMAL COLLEGE (AUTONOMOUS), SIVAKASI - 626 124 Sivakasi -----</p> |
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(57) Abstract :
Deep learning-based approach to study the characteristics of various micro plastic degrading enzymes that are released from microorganisms is the proposed invention. The invention aims at analysing the characteristics and properties of various enzymes that will degrade the micro plastics. The enzymes that are released by microorganisms are targeted. The invention will help to safe environment form harmful effects of micro plastics.

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