

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 13/2024
ISSUE NO. 13/2024

शुक्रवार
FRIDAY

दिनांक: 29/03/2024
DATE: 29/03/2024

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE



(12) PATENT APPLICATION PUBLICATION

(21) Application No. **202441017406 A**

(19) INDIA

(22) Date of filing of Application :11/03/2024

(43) Publication Date : 29/03/2024

(54) Title of the invention : A NOVEL METHOD FOR DEGRADATION OF ORGANOPHOSPHATES IN EDIBLE FISHES THROUGH ENZYMATIC ACTIVATION

(51) International classification :A61K0009480000, A62D0003020000, C02F0101320000, A61P0031140000, C12N0009020000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

ABSTRACT A NOVEL METHOD FOR DEGRADATION OF ORGANOPHOSPHATES IN EDIBLE FISHES THROUGH ENZYMATIC ACTIVATION The present invention, describes a method of enhancing induction and activation of certain enzymes that metabolize and degrade organophosphates. Polycyclic aromatic hydrocarbons (PAHs) derived from light charring of organic food material, is mixed with diluted Rifampin, and this mixture is added to the fish fodder. The proportion of Polycyclic aromatic hydrocarbons (PAHs) derived from light charring of organic food material is maintained at proportion of 10PPM in the fish fodder, and the diluted Rifampin is maintained at proportion of 0.0001ppm in the fish fodder. Upon consumption by the fish, the composition of Polycyclic aromatic hydrocarbons (PAHs) derived from light charring of organic food material, and diluted Rifampin enhances the production and activation of Cytochrome P450 enzymes (CYP450 enzymes). Dated this 11th day of March, 2024 SIGNATURE PRIYANKA THOOL [PATENT AGENT-IN/PA-5039]

No. of Pages : 12 No. of Claims : 6

