

PATENTS OF ZOOLOGICAL SURVEY OF INDIA

1. AUTOMATED SURVEILLANCE SYSTEM FOR MOSQUITOES AND OTHER INSECTS

Inventors: D. S. Suman, Kailash Chandra

Applicant: Zoological Survey of India, Kolkata (WB)

Application No. & filing date: 202031011565 & 18.03.2020.

Patent number/ status: Awarded, 540273

Citation: Suman, D.S., Chandra K. 2024. Automated surveillance system for mosquitoes and other insects. Application No 202031011565. Priority date: 18.03.2020, Indian Patent. 540273.

2. BOTANICAL OIL BASED FORMULATIONS FOR LARVICIDAL, PUPICIDAL AND OVIPOSITIONAL REPELLANCY AGAINST MOSQUITO VECTORS IN AND A PROCESS THEREFOR

Inventors: D. S. Suman¹, Kailash Chandra¹, M. G. Dalmia², S. Mukhopadhyay²

Applicant: ¹Zoological Survey of India, Kolkata (WB), ²Bioguard Eco Solutions Inc., Kolkata

Citation: Suman, D.S., Chandra, K., Dalmia, M. G., Mukhopadhyay, S. 2020. Formulations to kill mosquito vectors in aquatic stages and a process for preparing the same. Application No. 201931007871 A. Filing on 28 Feb 2019. Published on 07/02/2020. Indian Patent Office.

3. PRODUCTION OF PROTEASE ENZYMES FROM GUT BACTERIA OF INSECT FLIES AND ORGANISMS AND PROCESS FOR THE SAME

Inventors: D. S. Suman (ZSI), Rashmi Bhattacharjee (ZSI), Sandipan Banerjee (Shantiniketan University), Narayan C. Mandal (Shantiniketan University), Dhriti Banerjee, (ZSI)

Applicant: Zoological Survey of India, Kolkata (WB)

Citation: Suman, D.S., Bhattacharjee, R., Banerjee, S., Mandal, N.C., Banerjee, D. 2024. Production of protease enzymes from gut bacteria of insect flies and organisms

and process for the same. Application No.202131012690. Priority Date:18/02/2022.

The Indian Patent Office Journal No. 23/2024 dated 07/06/2024. PP. 52682.

4. ECOFRIENDLY BACTERIVORUS CILIATE BASED DEVICE FOR SUSTAINABLE MANAGEMENT OF WATER CLEANING AND SANITATION

Inventors: Santosh Kumar, Daizy Bharti, D. S. Suman, Kailash Chandra, Dhriti Banerjee.

Application No. & filing date: 202031009213 & 04/03/2020

Patent number/ status: Awarded, 507599.

Citation: Kumar, S., Bharti, D., Suman, D.S., Chandra, K., Banerjee, D. Ecofriendly bacterivorous ciliate based device for sustainable management of water cleaning and sanitation. Application number 202031009213. Priority date: 04/03/2020, Indian Patent. 507599.