

Patents granted details: SKUAST Jammu

1. Biotransformation Process for The Preparation of Diosgenin from Dioscin.
2. Ready to Use PVA- PVP Based Patch for wound dressing and tissue Engineering applications.
3. Pharmaceutical composition with synergistic combination of Thymus serphyllum essential oil and antibiotic.
4. Device To Monitor Growth and Identify Disease of a Plant.
5. Isolation of Fraction with prebiotic activity from rumen liquor.
6. IOT Based Solar Powered Agriculture Robot.
7. Agricultural Drone For Crop Health Monitoring.
8. Surfactant Aided Improved Methodology of Urea-Ammoniation of Straw.
9. A portable Multi-Functional Seeder and Fertilizer Machine.
10. Portable Ohmic Heater.
11. Food Freshness Testing Device.
12. Genetic Seed Stimulating Device
13. Plant Disease Identification Device.
14. Portable Crop Virus Detector.
15. A method for preparing Nano Biochar.
16. Method for increasing Pharmacophore efficiency of *Picrorhizakurroa* using Microbes.
17. Portable Sheep Breeding Management Device.
18. Automatic timer based variable Speed device for sprinkler

Patents Filed: 12

1. Rapid and Cost Effective Method For Screening Of Natural Extracts For Anti-diabetic Compound.
2. A process for rapid mass production of *Trichodermaasperrellum* V 188.
3. Diagnostic Kit For Goat Warble Fly Infection.
4. A user friendly software and graphical user interface (GUI) for exact pattern matching of nucleotide sequences with nucleotide databases of animals using sequential approach algorithm.
5. An automatic time Based Variable Speed device for a Sprinkler.
6. A method for Preparing Nano Biochar and its Application.
7. Isolation and characterization of anti cancerous compound I.e. 24-hydrooxy cycloartenol from the peel part Autocarrpushitrophyllus.
8. Pesticide detecting Food Safety device.
9. Water soluble Natural Dye Production by Bacteria with Antimicrobial Function.
10. Smart Plant Pathogen Alert Device
11. AI Powered Plant Disease Diagnoser.
12. Media designed for robust air Layering in Fruits.