

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

1. BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOTE

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_044	PRODUCTION AND OPTIMISATION OF BIO-DIESEL FROM WASTE TEMPLE OIL	MECHANICAL ENGINEERING	BE	Dr. B.K.VENKANNA	Mr. SHIVANAGOUDA KAMAT	7000.00

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Sanctioned Under Stream B – Innovative Projects

2. EAST WEST INSTITUTE OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_017	COMPARITIVE ANALYSIS OF USED AND UNUSED EDIBLE VEGETABLE OIL AS BIO LUBRICANT	MECHANICAL ENGINEERING	BE	Prof. PRADEEP M S	Mr. MANOJ RAJ V	8500.00

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Sanctioned Under Stream B – Innovative Projects

3. GIRIJABAI SAIL INSTITUTE OF TECHNOLOGY, KARWAR

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_026	DESIGN AND INSTALLATION OF BIODIESEL PLANT	MECHANICAL ENGINEERING	BE	Prof. MANJUNATH G.P	Mr. SHUBHAM GURAV	9000.00

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Sanctioned Under Stream B – Innovative Projects

4. GLOBAL ACADEMY OF TECHNOLOGY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_020	RECOVERY AND UTILIZATION OF WASTE NON-EDIBLE SEEDS AS A REGENERATIVE SOURCE FOR PRODUCTION OF BIO-DIESEL: PERFORMANCE AND EMISSION CHARACTERISTICS IN AGRICULTURAL CI ENGINE	MECHANICAL ENGINEERING	BE	Mr. GHALEPPA	Mr. DARSHAN M P	6000.00

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Sanctioned Under Stream B – Innovative Projects

5. JAIN INSTITUTE OF TECHNOLOGY, DAVANGERE

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_008	PRODUCTION OF BIOFUEL USING NEPHER SORGHUM PLANT	MECHANICAL ENGINEERING	BE	Mr. RAMESH B T	Mr. SHIVARAJ A S	7000.00

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Sanctioned Under Stream B – Innovative Projects

6. MALNAD COLLEGE OF ENGINEERING, HASSAN

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_069	ZERO WASTE BIO-FUEL: PRODUCTION OF BIODIESEL AND FUEL BRIQUETTES FROM SAL SEED OIL AND FRONDS	CIVIL ENGINEERING	BE	Dr. K S JAYANTHA	Ms. HITHASHREE M N	6000.00

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Sanctioned Under Stream B – Innovative Projects

7. MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MOOBDIDRI

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_036	EXTRACTION OF BIODIESEL FROM MICRO ALGAE	AERONAUTICAL ENGINEERING	BE	Prof. YATHIN K L	Ms. SIMRIN TAMBOLI	6500.00
2.	42S_B_BE_038	EXTRACTION AND OPTIMIZATION OF BIODIESEL FROM DIFFERENT BREEDS OF CATTLE URINE AND ANALYSIS OF ITS PERFORMANCE CHARACTERISTICS USING 4-STROKE SINGLE CYLINDER COMPRESSION IGNITION ENGINE	MECHANICAL ENGINEERING	BE	Mr. BHANUPRAKASH HS	Mr. NITHIN	6000.00
3.	42S_B_BE_040	EXTRACTION OF BIO-DIESEL FROM WASTE FISH OIL WAX	MECHANICAL ENGINEERING	BE	Prof. M LOKESHA	Mr. RAJAT RAVINDRA PATANKAR	8000.00

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Sanctioned Under Stream B – Innovative Projects

8. MANIPAL INSTITUTE OF TECHNOLOGY, MANIPAL

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_054	IMPROVEMENT OF SUSTAINABLE BIOGAS ENERGY PRODUCTION FROM AGRICULTURAL AND FISH WASTE USING INNOVATIVE TECHNOLOGY	CHEMICAL ENGINEERING	BE	Dr. GAUTHAM JEPPU	Mr. SIDDHARTH MITRA	10500.00

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Sanctioned Under Stream B – Innovative Projects

9. N.M.A.M. INSTITUTE OF TECHNOLOGY, NITTE

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_007	PROCESS INTENSIFICATION OF BIOETHANOL PRODUCTION THROUGH SIMULTANEOUS SACCHARIFICATION & EXTRACTIVE FERMENTATION	BIOTECHNOLOGY	BE	Mr. VENKATESH KAMATH H.	Ms. INCHARA CRASTA	7500.00

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Sanctioned Under Stream B – Innovative Projects

10. NAVODAYA INSTITUTE OF TECHNOLOGY, RAICHUR

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_062	STUDY ON GREEN FUEL(i.e, ETHANOL) AS AN ALTERNATIVE FUEL FOR SI ENGINE	MECHANICAL ENGINEERING	BE	Dr. ANANTHACHAR	Mr. PRAVEEN GOUDA RAMPUR	9000.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

11. PRESIDENCY UNIVERSITY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_052	FABRICATION OF LOW COST BIOREACTOR AND APPLICATION OF GREEN CHEMISTRY FOR PRODUCTION OF SECOND GENERATION BIOFUELS USING BIOMASS	PETROLEUM ENGINEERING	BE	Dr. CHAITANYA LAKSHMI. G	Mr. MUHAMMED. S	11000.00

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Sanctioned Under Stream B – Innovative Projects

12. REVA UNIVERSITY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_022	DEVELOPMENT AND TRIBOLOGICAL TESTING OF ENVIRONMENT FRIENDLY BIO-LUBRICANTS FROM VEGETABLE OILS	MECHANICAL ENGINEERING	BE	Dr. NIRANJAN HIREMATH	Mr. K S TARUN	7500.00

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Sanctioned Under Stream B – Innovative Projects

13. RURAL ENGINEERING COLLEGE, HULKOTI

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_128	COMPARISION OF PERFORMANCE AND EMISSION TESTS USING BIO DIESEL FROM SIMAROUBA AND HONGE OILS IN CI ENGINE	MECHANICAL ENGINEERING	BE	Prof. SIDDESH N BEVINAHALLI	Mr. PAVAN D RAYKAR	6500.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

14. S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_049	ADVANCE MORPHOLOGICAL ANALYSIS AND BIODIESEL FROM MICROALGAE	CHEMICAL ENGINEERING	BE	Prof. S.S. INAMDAR	Mr. ABHISHEK PATEL	7500.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

15. S.G. BALEKUNDRI INSTITUTE OF TECHNOLOGY, BELAGAVI

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_130	EXPERIMENTAL INVESTIGATION OF MIXED PONGAMIA COCONUT EXTRACT AS BIODIESL ON CI ENGINE	MECHANICAL ENGINEERING	BE	Prof. PRASAD KALLOLOMATH	Mr. SHIVANAND HIREMATH	9000.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

16. S.J.M. INSTITUTE OF TECHNOLOGY, CHITRADURGA

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_046	DESIGN AND FABRICATION OF DECORTICATOR FOR JATROPHA CURCAS SEED	MECHANICAL ENGINEERING	BE	Mr. GURURAJA K K	Mr. DHANUSH KUMAR K	9000.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

17. SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_123	EVALUATION OF BIOFUEL BLENDED WITH PREPARED ETHANOL, N-BUTANOL AND PETROL BASED ON PERFORMANCE AND POLLUTION LEVEL TESTS ON AN SI ENGINE	MECHANICAL ENGINEERING	BE	Mr. P RAGHUTHAMA RAO	Mr. AJEYA V	6500.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

18. SMT. KAMALA SRI VENKAPPA M. AGADI COLLEGE OF ENGINEERING AND TECHNOLOGY, LAKSHMESHWARA

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_113	DESIGN OF BIOGAS PLANT FOR SMT. KAMALA AND SHRI VENKAPPA M AGADI COLLEGE OF ENGINEERING AND TECHNOLOGY LAKSHMESHWAR COLLEGE BOYS HOSTEL	CIVIL ENGINEERING	BE	Prof. VENKATAREDDI KOPPPAD	Prof. BASAVARAJ M MANNUR	5500.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

19. SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_BE_088	PRODUCTION AND TESTING OF BIOLUBRICANT FROM NON EDIBLE COMPONENTS	MECHANICAL ENGINEERING	BE	Mr. RAGHAVENDRA P NILUGAL	Mr. H S YASHAS GOWDA	7500.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

20. CHRIST (DEEMED TO BE UNIVERSITY), BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_MSC_022	A NOVEL APPROACH IN UTILIZATION OF WASTE ALGINATE GENERATED IN TISSUE CULTURE LABORATORY TOWARDS PRODUCTION OF BIO-ETHANOL	LIFE SCIENCES	M.Sc	Dr. ERUMALLA VENKATANAGARAJ U	Mr. S. WILLIAM JOSEPH KAMAL	10000.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

21. DEPARTMENT OF BIOCHEMISTRY, DAVANGERE UNIVERSITY

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_MSC_025	PRODUCTION OF BIOETHANOL FROM AGAVE LEAVES USING MICROORGANISMS	BIOCHEMISTRY	M.Sc	Prof. VADLAPUDI KUMAR	Mr. RAGHAVENDRA Y T	7000.00
2.	42S_B_MSC_028	BIOETHANOL PRODUCTION FROM MICROORGANISMS USING DIFFERENT AGRICULTURAL RESIDUES	BIOTECHNOLOGY	M.Sc	Prof. VADLAPUDI KUMAR	Mr. SIDDESH SM	6500.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

22. DEPARTMENT OF BOTANY, GULBARGA UNIVERSITY, KALABURGI

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_MSC_031	MANAGEMENT OF GANODERMA DISEASE OF PONGAMIA PINNATA	BOTANY	M.Sc	Prof. GM VIDYASAGAR	Ms. EDIGA AMBIKA	11500.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

23. GARDEN CITY UNIVERSITY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_MSC_008	BIOETHANOL PRODUCTION FROM GREEN COCONUT SHELL	BIOTECHNOLOGY	M.Sc	Dr. PREMA KULKARNI	Ms. CHAHAT SHARMA	7000.00
2.	42S_B_MSC_009	PHOENIX SYLVESTRIS NON-EDIBLE OIL SEED TRIACYLGLYCEROLS AS FEEDSTOCKS FOR THE PRODUCTION OF BIOFUELS	MICROBIOLOGY	M.Sc	Dr. SHARANAGPUDA J PATIL	Ms. DURRIYA ALI	7500.00
3.	42S_B_MSC_030	BODIESEL PRODUCTION FROM MYRISTICA FRAGRANS AND ITS CHARACTERIZATION	LIFE SCIENCES	M.Sc	Dr. PREETHI RAJESH	Ms. VRINDA TIWARI	7000.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

24. INDIAN ACADEMY DEGREE COLLEGE, AUTONOMOUS, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_MSC_027	EXPLORING AND HARNESSING THE POLYPLOIDY INDUCED DIVERSITY TO IMPROVE THE LIPID PRODUCTION AMONG THE TISSUE CULTURE BASED PHENOTYPES OF ARABIDOPSIS THALIANA SP.	BIOTECHNOLOGY	M.Sc	Prof. SUDHAKAR MALLA	Mr. RITAM BISWAS	11000.00
2.	42S_B_MSC_029	DEVELOPMENT OF POLYPLOIDY STRAINS OF CHLAMYDOMONAS TO STUDY THE ENHANCEMENT OF THE STRESS RESISTANCE AND LIPID PRODUCTION	BIOTECHNOLOGY	M.Sc	Prof. SUDHAKAR MALLA	Mr. RAJAN RAMANAND CHDURASIVA	9500.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

25. MAHARANI LAKSHMI AMMANI COLLEGE FOR WOMEN (AUTONOMOUS), BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_MSC_001	SYNTHESIS AND CHARACTERIZATION OF BIOADSORBENT FROM PONGAMIA SEED SHELL FOR HEAVY METAL REMOVAL FROM INDUSTRIAL EFFLUENTS	BIOTECHNOLOGY	M.Sc	Dr. BABITHA.B	Ms. NETHRA L	10000.00
2.	42S_B_MSC_002	PRODUCTION OF LIPASE BY SOLID-STATE FERMENTATION OF BIOFUEL SEED CAKES AND ITS USE AS A BIOCATALYST IN BIODIESEL PRODUCTION	BIOTECHNOLOGY	M.Sc	Dr. S.SARASWATI	Ms. YASHASWINI.N	8000.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

26. PRESIDENCY UNIVERSITY, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_MSC_021	DESIGN AND DEVELOPMENT OF FIXED DOME BIOGAS DIGESTER FOR THE TREATMENT OF AGRICULTURAL WASTES	PETROLEUM ENGINEERING	M.Sc	Dr. CHAITANYA LAKSHMI. G	Mr. AL AMEEN. S	6000.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

27. P.D.A. COLLEGE OF ENGINEERING, KALABURAGI

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_MTECH_001	PRODUCTION OF BIODIESEL FROM SENNA TORA SEEDS, PRFORMANCE AND EMISSION CHARACTERISTICS OF DIESEL ENGINE FUELED WITH SENNA TORA BIODIESEL	THERMAL POWER ENGINEERING	M.TECH	Dr. CHANNAPPA H BIRADAR	Mr. MOHAMMED KINAN AFIF	8500.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

Sanctioned Under Stream B – Innovative Projects

28. CENTRE FOR GRADUATE STUDIES, V.T.U., MYSURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_MTECH_003	OPTIMIZATION OF BIODIESEL PRODUCTION FROM ARTOCARPUS HETEROPHYLLUS OIL USING TAMARINDUS INDICA AS CaO NANO CATALYST AND PERFORMANCE AND EMISSION CHARACTERISTIC OF CI ENGINE WITH VARYING BIODIESEL BLENDS	THERMAL POWER ENGINEERING	M.TECH	Prof. KRISHNAMURTHY KN	Ms. HURNAZ	9500.00

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29. R.V. COLLEGE OF ENGINEERING, BENGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_MTECH_005	SYNTHESIS OF PONGAMIA OIL BASED LUBRICANT FOR MACHINING	PRODUCT DESIGN AND MANUFACTURING	M.TECH	Prof. CHANDRA KUMAR R	Ms. SAHANA VN	7000.00

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LIST OF BIOFUEL PROJECTS SANCTIONED UNDER 42nd SERIES OF STUDENT PROJECT PROGRAMME: 2018-2019

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30. MANGALORE INSTITUTE OF TECHNOLOGY AND ENGINEERING, MANGALURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_B_MBA_004	BIOGAS AND ORGANIC VEGETABLES - FINANCIALLY FEASIBLE AGRI BUSINESS PROJECT WITH SPECIAL REFERANCE TO DEDS SCHEME OF NABARD	MASTER OF BUSSINESS ADMINSTRATION	MBA	Prof. K ABHAYA KUMAR	Mr. RAKSHIT	5000.00
2.	42S_B_MBA_005	BIOFUEL FROM PALM SEEDS - A FEASSIBILITY STUDY WITH REFERENCE TO DAKSHINA KANNADA DISTRICT	MASTER OF BUSSINESS ADMINSTRATION	MBA	Prof. AJITH DMELLO	Mr. PRAJNESH	7000.00