

DEPARTMENT OF BIO TECHNOLOGY

List of Approved Projects

From Date: 01-04-2009

To Date: 31-08-2009

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
AGRICULTURE BIOTECHNOLOGY						
1	DEVELOPMENT OF SALINITY STRESS RESISTANCE IN RICE VARIETIES	BT/PR11694/AGR/02/642/2008	<p>DR. A.K. SINGH, SENIOR SCIENTIST, DIVISION OF GENETICS, INDIAN AGRICULTURAL RESEARCH INSTITUTE, PUSA CAMPUS, NEW DELHI, DELHI, INDIA 110012</p> <p>DR. M. RAVEENDRAN, ASSISTANT PROFESSOR, DEPTT. OF PLANT MOLECULAR BIOLOGY AND BIOTECHNOLOGY, TAMIL NADU AGRICULTURAL UNIVERSITY, CENTRE FOR PLANT MOLECULAR BIOLOGY, COIMBATORE, TAMILNADU, INDIA 641007</p> <p>DR. S. GEETHA, Assistant Professor, Sugarcane Research Station, TAMIL NADU AGRICULTURAL UNIVERSITY, NAVALURKUTTAPATTU, Sirugamani, Trichy District, TAMILNADU, INDIA 639115</p>	101.3	4 Years 0 Month	08-09-2009

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
2	MARKER ASSISTED INTROGRESSION OF SUB1 LOCUS CONFERRING TOLERANCE TO SUBMERGENCE INTO ELITE RICE VARIETIES OF TAMIL NADU AND ASSAM	BT/PR11711/AGR/02/652/2008	DR. M.K. MODI, ASSOCIATE PROFESSOR & HEAD, Agricultural Biotechnology, ASSAM AGRICULTURAL UNIVERSITY, JORHAT, ASSAM, INDIA 785013 DR. N. SENTHIL, ASSISTANT PROFESSOR, CENTRE FOR PLANT MOLECULAR BIOLOGY AND BIOTECHNOLOGY, TAMIL NADU AGRICULTURAL UNIVERSITY, COIMBATORE, TAMILNADU, INDIA 641003	43.93	3 Years 0 Month	04-09-2009
3	IDENTIFICATION OF GENES FOR HIGH PRODUCTIVITY UNDER LOW LIGHT USING ACTIVATION TAGGING	BT/PR10867/AGR/02/612/2008	Dr. B.T. Krishnaprasad, Assistant Professor (Sr. Scale), Plant Physiology, KERALA AGRICULTURAL UNIVERSITY, Plant Physiology, College of Agriculture, Nileshwaram, Kasaragod, Kerala, KERALA, INDIA 671328 DR. M. S. SHESHSHAYEE, ASSISTANT PROFESSOR, PLANT PATHOLOGY, UNIVERSITY OF AGRICULTURAL SCIENCES, BANGALORE, COLLEGE OF AGRICULTURE, GKVK CAMPUS, BANGALORE, KARNATAKA, INDIA 560065	74.48	3 Years 0 Month	29-06-2009

ANIMAL BIOTECHNOLOGY

4	DEVELOPMENT AND EVALUATION OF ACELLULAR BIOMATERIAL OF MARINE ORIGIN FOR TISSUE REPAIR IN BOVINES	BT/PR11209/AAQ/1/384/2008	DR. MAKKENA SREENU, Associate Professor & Head, Veterinary Suregry & Radiology, SRI VENKATESWARA VETERINARY UNIVERSITY, Gannavaram (post) Krishna (dt) AP., GANNAVARAM, ANDHRA PRADESH, INDIA 521101	30	3 Years 0 Month	07-07-2009
---	---	---------------------------	--	----	-----------------	------------

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
5	PRODUCTION OF CONJUGATED LINOLEIC ACID RICH GOAT MEAT THROUGH DIETARY SUPPLEMENTATION OF VEGETABLE OIL AND PLANT EXTRACT	BT/PR11422/AAQ/01/380/2008	DR. GURU PRASAD MANDAL, LECTURER, DEPT. OF ANIMAL NUTRITION, W.B. UNIVERSITY OF ANIMAL AND FISHERY SCIENCES, KOLKATA, 68, K.B. SARANI, KOLKATA, WEST BENGAL, INDIA 700037	30.74	3 Years 0 Month	17-08-2009
6	ISOLATION AND CHARACTERIZATION OF FIBRE DEGRADING MICROBES AND MANIPULATION OF RUMEN ECOSYSTEM IN MITHUN (BOS FRONTALIS) FOR IMPROVING FIBRE DEGRADATION	BT/PR11366/AAQ/01/377/2008	DR. KRUSHNA CHANDRA DAS, SENIOR SCIENTIST, DEPT. OF ANIMAL NUTRITION, NATIONAL RESEARCH CENTRE ON MITHUN, NAGALAND, JHARNAPANI, MEDZIPHEMA, MEDZIPHEMA, NAGALAND, INDIA 797106	40.42	3 Years 0 Month	31-07-2009
7	EFFECT OF MICRONUTRIENTS SUPPLEMENTATION ON MILK YIELD UDDER HEALTH, IMMUNITY AND M-RNA TRANSCRIPT EXPRESSION OF ASSOCIATED GENES IN INDIGENOUS AND CROSWSBRED COWS	BT/PR11904/AAQ/01/388/2009	DR. (MRS.) ANJALI AGGARWAL, SENIOR SCIENTIST, DAIRY CATTLE PHYSIOLOGY, NATIONAL DAIRY RESEARCH INSTITUTE, KARNAL, HARYANA, INDIA 132001	37.88	3 Years 0 Month	31-07-2009

BIOINFORMATICS R&D PROJECTS

8	STRUCTURAL STUDIES ON COLLAGEN LIKE PEPTIDES AND DESIGN OF ANGIOGENESIS INHIBITORS: FROM MOLECULAR MODELING PERSPECTIVE	BT/PR11016/BID/07/259/2008	DR. V. SUBRAMANIAN, Scientist E1, Dept. of Chemical Laboratory, CENTRAL LEATHER RESEARCH INSTITUTE, SARDAR PATEL ROAD, Adyar, CHENNAI, TAMILNADU, INDIA 600020	29.408	3 Years 0 Month	21-07-2009
---	---	----------------------------	--	--------	-----------------	------------

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
9	INVESTIGATING THE ELECTROSTATIC MECHANISMS OF HISTONE TAIL MODIFICATIONS ON A CHROMATIN ARRAY THROUGH MOLECULAR MODELLING AND DYNAMICS	BT/PR11523/BID/07/274/2008	<p>DR. M. VIJAYALAKSHMI, PROFESSOR, SCHOOL OF CHEMICAL AND BIOTECHNOLOGY, SHANMUGHA ARTS, SCIENCE, TECHNOLOGY & RESEARCH ACADEMY, TIRUMALAISAMUDRAM, Thanjavur, TAMILNADU, INDIA 613402</p> <p>DR. R. SOWDHAMINI, ASSOCIATE PROFESSOR, COMPUTATIONAL BIOLOGY GROUP COMPUTATIONAL APPROACHES IN PROTEIN SCIENCE (CAPS), NATIONAL CENTRE FOR BIOLOGICAL SCIENCES, TATA INSTITUTE OF FUNDAMENTAL RESEARCH (TIFR), BANGALORE, KARNATAKA, INDIA 560065</p> <p>DR. R. SOWDHAMINI, ASSOCIATE PROFESSOR, COMPUTATIONAL BIOLOGY GROUP COMPUTATIONAL APPROACHES IN PROTEIN SCIENCE (CAPS), NATIONAL CENTRE FOR BIOLOGICAL SCIENCES, TATA INSTITUTE OF FUNDAMENTAL RESEARCH (TIFR), BANGALORE, KARNATAKA, INDIA 560065</p>	30.27	3 Years 0 Month	09-06-2009
10	DEVELOPMENT OF COMPUTATIONAL METHODS FOR RIBOSWITCH DETECTION AND PREDICTION IN GENOMIC SEQUENCES AND THEIR FUNCTIONAL VALIDATION	BT/PR11570/BID/07/276/2008	DR. SUPRATIM SENGUPTA, ASSOCIATE PROFESSOR, CENTRE FOR COMPUTATIONAL BIOLOGY AND BIOINFORMATICS, JAWAHARLAL NEHRU UNIVERSITY, SCHOOL OF INFORMATION TECHNOLOGY, NEW MEHRAULI ROAD, NEW DELHI, DELHI, INDIA 110067	29.138	3 Years 0 Month	10-09-2009

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
11	A STUDY ON COVARIANCE MATRIX AND ITS APPLICATIONS IN BIOINFORMATICS	BT/PR11574/BID/07/277/2008	DR. N. SREEKUMARAN NAIR, PROFESSOR OF BIOSTATISTICS AND HEAD, DEPT. OF STATISTICS, MANIPAL UNIVERSITY, MANIPAL, KARNATAKA, INDIA 576104	5.456	1 Year 0 Month	27-07-2009

INTERNATIONAL COLLABORATION

12	ANTI-TUMOUR AND ANTI-PARASITIC AND ANTI-BACTERIAL ACTIVITIES OF FE/SE-SATURATED BOVINE AND IMMOBILIZED BUFFALO LACTOFERRIN: A POTENTIAL ALTERNATIVE MEDICINE	BT/PR12672/ICD/55/10/2009	DR. RAKESH SEHGAL, Additional Professor, DEPARTMENT OF PARASITOLOGY, POST GRADUATE INSTT. OF MEDICAL EDU. & RESEARCH, CHANDIGARH, CHANDIGARH, INDIA 160012	20.04	3 Years 0 Month	09-06-2009
13	DEVELOPING BIODEGRADABLE MAGNESIUM ALLOYS FOR IMPLANT MATERIALS	BT/PR12674/ICD/55/11/2009	DR. GOPAL PANDE, SCIENTIST, CCMB, CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY, UPPAL ROAD, HYDERABAD, ANDHRA PRADESH, INDIA 500007	48.89	3 Years 0 Month	09-06-2009

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
14	MECHANISMS OF CHIKUNGUNYA VIRUS DISEASE: MOUSE MODEL, VIRULENT AND FITNESS DETERMINANTS AND THE DEVELOPMENT OF NOVEL THERAPEUTICS	BT/PR12675/ICD/55/12/2009	DR. N. JAYASURYAN, DIRECTOR, MTIPL, MICROTEST INNOVATIONS PRIVATE LTD., G -05, ITPL APARTMENTS, WHITEFIELD ROAD, BANGALORE, KARNATAKA, INDIA 560066 DR. SHOBHA BROOR, PROFESSOR, DEPARTMENT OF MICROBIOLOGY, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, ANSARI NAGAR, NEW DELHI, DELHI, INDIA 110029 DR. UDAY KUMAR RANGA, ASSOCIATE PROFESSOR, Dept. of Molecular Biology and Genetics Unit, JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH, MOLECULAR BIOLOGY AND GENETICS UNIT, BANGALORE, KARNATAKA, INDIA 560064	130.7	3 Years 0 Month	09-06-2009
15	UTILIZING NOVEL MEDICAL TECHNIQUES/TECHNOLOGIES AND DEVICES TO ENHANCE OUR UNDERSTANDING OF COMMON HEALTH PROBLEMS (ATRIL ARRHYTHMIAS AND STROKE) ASSOCIATED WITH RHEUMATIC HEART DISEASE	BT/PR12676/ICD/55/13/2009	DR. SUNIL THOMAS CHANDY, PROFESSOR, DEPT. OF CARDIOLOGY, CHRISTIAN MEDICAL COLLEGE & HOSPITAL, VELLORE, TAMILNADU, INDIA 632004	59.75	3 Years 0 Month	09-06-2009
16	DEVELOPMENT OF BLOOD-STAGE VACCINES FOR PLASMODIUM FALCIPARUM MALARIA BASED ON THE EBA AND PfRH PROTEINS	BT/PR12677/ICD/55/14/2009	DR. CHETAN E. CHITNIS, Assistant Scientist, Malaria Group, INTERNATIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY, ICGEB, P.O. Box 10504, Aruna Asaf Ali Marg, NEW DELHI, DELHI, INDIA 110067	62.85	3 Years 0 Month	09-06-2009

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
17	COMPARATIVE GENOMICS OF ECONOMICALLY IMPORTANT NEMATODE PATHOGENS LEADING TO TRANSGENIC NEMATODE RESISTANCE IN WHEAT AND SUGARCANE	BT/PR12678/ICD/55/15/2009	DR.(MRS.) UMA RAO, SCIENTIST (SR. SCALE), DIVISION OF NEMATOLOGY, INDIAN AGRICULTURAL RESEARCH INSTITUTE, NEW DELHI, DELHI, INDIA 110012	125.156	3 Years 0 Month	09-06-2009

MEDICAL BIOTECHNOLOGY - BIOENGINEERING

18	SURFACE MODIFICATION OF TITANIUM AND TITANIUM ALLOY BIO-MEDICAL IMPLANT MATERIALS BY PLASMA ELECTROLYTIC OXIDATION AND CHARACTERIZATION FOR BIOMEDICAL APPLICATIONS	BT/PR11731/MED/32/99/2008	DR. N. RAMESH BABU, LECTURER, METALLURGICAL AND MATERIALS ENGINEERING, NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI, TIRUCHIRAPPALLI, Tiruchirappalli, TAMILNADU, INDIA 620015	27.56	3 Years 0 Month	11-08-2009
19	SENSITIVITY ENHANCEMENT IN A PIEZORESISTIVE CANTILEVER BASED NANOMECHANICAL SENSOR ASSAY FOR LABEL FREE DETECTION OF NUCLEIC ACID SEQUENCES	BT/PR11765/MED/32/107/2009	DR. RUPA MUKHOPADHYAY, ASSISTANT PROFESSOR, DEPT. OF BIOLOGICAL CHEMISTRY, INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCES, 2A&2B, RAJA S.C. MULLICK ROAD, JADAVPUR, KOLKATA, WEST BENGAL, INDIA 700032	56.047	3 Years 0 Month	20-08-2009

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
20	SYNTHESIS AND PHYSICAL CHARACTERIZATION OF HYDROXYAPATITE BASED SCAFFOLDS	BT/PR11799/MED/32/103/2009	DR. A. RAJARAM, SCIENTIST E-II, BIOPHYSICS LAB, CENTRAL LEATHER RESEARCH INSTITUTE, Sardar Patel Road, Adyar, CHENNAI, TAMILNADU, INDIA 600020 DR. S. NARAYANA KALKURA, ASSISTANT PROFESSOR, CRYSTAL GROWTH CENTER, ANNA UNIVERSITY, SARDAR PATEL ROAD, CHENNAI, TAMILNADU, INDIA 600025	80.126	3 Years 0 Month	20-08-2009

MEDICAL BIOTECHNOLOGY - INFECTIOUS DISEASES

21	IDENTIFICATION, ORGANIZATION AND FUNCTION OF S/MAR ELEMENTS IN GASTROINTESTINAL PROTOZOA	BT/PR11023/MED/29/90/2008	DR. SULAGNA BANERJEE, SCIENTIST, DEPTT. OF LIFE SCIENCES, ANNA UNIVERSITY, MIT CAMPUS, CHROME PET, CHENNAI, TAMILNADU, INDIA 600044	36.73	3 Years 0 Month	15-07-2009
22	IDENTIFICATION OF LEISHMANIAL ANTIGENS MODULATING NRAMP1 IRON EFFLUX PUMP FUNCTION	BT/PR11177/MED/29/99/2008	DR. R.K. SINGH, PROFESSOR CUM SCIENTIST, GENETICS AND PLANT BREEDING, BANARAS HINDU UNIVERSITY, VARANASI, UTTAR PRADESH, INDIA 221005	50.86	3 Years 0 Month	27-08-2009
23	INVESTIGATING THE ROLE OF PROTEIN TRANSLATION IN HCV ASSOCIATED HEPATOCELLULAR CARCINOMA	BT/PR11339/MED/29/103/2008	DR. H.H. KRISHNAN, SCIENTIST, Infectious Diseases, CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY, uppal Road, HYDERABAD, ANDHRA PRADESH, INDIA 500007	55.07	3 Years 0 Month	01-07-2009

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
24	CLONING AND OVEREXPRESSION OF TH1 STIMULATORY POLYPROTEINS IDENTIFIED THROUGH PROTEOMICS FOR THEIR PROPHYLACTIC POTENTIAL AGAINST EXPERIMENTAL VISCERAL LEISHMANIASIS	BT/PR11782/MED/29/113/2009	DR. ANURADHA DUBEY, SCIENTIST EII, PARASITOLOGY, CENTRAL DRUG RESEARCH INSTITUTE, Chattar Manzil Palace, MG Road, LUCKNOW, UTTAR PRADESH, INDIA 226001 DR. SHYAM SUNDAR, Professor, DEPARTMENT OF MEDICINE, BANARAS HINDU UNIVERSITY, INSTITUTE OF MEDICAL SCIENCE, VARANASI, UTTAR PRADESH, INDIA 221005	40.91	3 Years 0 Month	09-09-2009
25	LAMP AS POINT OF CARE TEST FOR GONORRHOEA	BT/PR11930/MED/29/118/2009	DR SEEMA SOOD, ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, DEPT.OF MICROBIOLOGY, NEW DELHI, DELHI, INDIA 110029	14.05	1 Year 0 Month	27-08-2009

MEDICAL BIOTECHNOLOGY - STEM CELL BIOLOGY

26	STROMAL CELL BIOLOGY: TARGETING OF THE BM NICHE TO ALTER THE ADIPOCYTE: OSTEOCYTE RATIO A STRATEGY FOR HEMATOPOIETIC RECOVERY AFTER AN INTENSIVE MYELOABLATIVE THERAPY	BT/PR11155/MED/31/44/2008	DR.(MRS.) VAIJAYANTI P. KALE, Scientist E, Laboratory 4, NATIONAL CENTRE FOR CELL SCIENCE, NCCS Complex, Ganeshkhind, PUNE, MAHARASHTRA, INDIA 411007	58.048	3 Years 0 Month	24-07-2009
----	--	---------------------------	---	--------	-----------------	------------

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
27	DERIVATION OF ADDITIONAL WELL CHARACTERIZED HUMAN EMBRYONIC STEM (HES) CELL LINES FROM SPARE EMBRYOS AND SINGLE BLASTOMERES	BT/PR11743/MED/31/62/2008	DR. DEEPA BHARTIYA, ASSISTANT DIRECTOR, STEM CELL BIOLOGY DEPTT, NATIONAL INSTITUTE FOR RESEARCH IN REPRODUCTIVE HEALTH, NATIONAL INSTITUTE FOR RESEARCH IN REPRODUCTIVE HEALTH, JEHANGIR MERWANJI STREET, PAREL, Mumbai, MAHARASHTRA, INDIA 400012	26.662	1 Year 6 Months	11-09-2009

PLANT BIOTECHNOLOGY - BIOFUELS

28	LARGE SCALE MULTILOCATION TRIALS OF JATROPHA	BT/PR11946/PBD/26/198/2009	DR. SHIKHA ROY, Asstt. Professor, Deptt. of Biotechnology, UNIVERSITY OF RAJASTHAN, Jaipur, RAJASTHAN, INDIA 302 00	31.27	3 Years 0 Month	09-06-2009
29	MULTILOCATIONAL & AGRONOMY TRIALS OF SELECTED ACCESSIONS	BT/PR11947/PBD/26/199/2009	Dr. Nandita Singh, Scientist EI, Biomass Biology & Environmental Science Division, NATIONAL BOTANICAL RESEARCH INSTITUTE, National Botanical Research Institute, LUCKNOW, UTTAR PRADESH, INDIA 226001	31.27	3 Years 0 Month	11-06-2009
30	PLANTATION OF JATROPHA VARIETIES AND STUDIES ON THEIR GROWTH AND YIELD	BT/PR11948/PBD/26/200/2009	Dr. Janardan Sharma, Sr. Managar (R&D), R&D, BHARAT PETEROLEUM CORPORATION LTD., BPCL corporate R&D centre Plot No2A, Udyog Kendra, Greater Noida, UTTAR PRADESH, INDIA 201306	32.83	3 Years 0 Month	09-06-2009

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
31	CONSERVATION, AGRONOMIC AND SILVICULTURE TRIALS OF SELECTED JATROPHA CURCAS ACCESSIONS IN TAMIL NADU AND ORISSA	BT/PR11949/PBD/26/201/2009	DR. P. EGANATHAN, Scientist, Dept. of Biotechnology, M.S. SWAMINATHAN RESEARCH FOUNDATION, III Cross Street, Taramani Institutional Area, Chennai, TAMILNADU, INDIA 600 113	63.33	3 Years 0 Month	09-06-2009
32	MULTILOCAATIONAL FIELD TRAIL OF SUPERIOR JATROPHA CLONES IN DIFFERENT AGROCLIMATIC ZONES OF NORTHEASTERN STATES	BT/PR11951/PBD/26/203/2009	SH. DIPANKAR SAHARIA, Area Convener, TERI INDUSTRIAL AND ENVIRONMENTAL BIOTECHNOLOGY DIVISION, THE ENERGY AND RESOURCES INSTITUTE, TERI NE, CHACHAL, HENGRABARI, EXPRESS HIGHWAY, GUWAHATI, ASSAM, INDIA 781036	30.5	3 Years 0 Month	09-06-2009
33	MULTILOCAATION TRIALS OF SUPERIOR GERMPASM OF JATROPHA CURCAS L.	BT/PR11962/PBD/26/207/2009	Dr. S.P. WANI, Principal Scientist, Princial Scientist and Regional Theme Coordinator, INTERNATIONAL CROP RESEARCH INSTITUTE FOR THE SEMI ARID TROPIC, P.O. Patancheru, PATANCHERU P.O., ANDHRA PRADESH, INDIA 502324	30.5	3 Years 0 Month	09-06-2009
34	MULTILOCAATION TESTING OF ELITE ACCESSIONS OF JATROPHA (JATROPHA CURCAS L.)	BT/PR012527/26/26/2/2009	Dr. R.S. FOGAT, Professor, ANAND AGRICULTURAL UNIVERSITY, opp. University Guest House, ANAND, GUJARAT, INDIA	30.5	3 Years 0 Month	09-06-2009

RAPID - GENERAL BIOTECHNOLOGY

35	BIOFOULING NEXUS ON DESALINATION SYSTEM - A CASE STUDY WITH RO MEMBRANES	BT/PR12814/GBD/27/171/2009	DR. R. ARTHUR JAMES, LECTURER, DEPTT. OF MARINE SCIENCE, BHARATHIDASAN UNIVERSITY, SCHOOL OF MARINE SCIENCE, Tirucirapalli, TAMILNADU, INDIA 620024	18.39	3 Years 0 Month	29-07-2009
----	--	----------------------------	---	-------	-----------------	------------

Sr. No.	Project Title	File Number	Investigators	Approved Cost (Rs. in lakhs)	Duration	Approved Date
---------	---------------	-------------	---------------	------------------------------	----------	---------------