3.2.2 Grants for research projects sponsored by the government sources during the last five years (INR in Lakhs)

S.No	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co Investigator	Department of Principal Investigator/ Co Investigator	Year of Award	Funds provided (In Lakh)	Duration of the project	Funding Agency	Amount Received (In Lakh)
1	Carbon dioxide Fixation by Culturable and non culturable (Metagenomic-Approach) Microbial Community and role of microbe for calcite and biofuel production.	Dr. Shaili Srivastava Nigam PI	Amity School of Earth & Environmental Science	2014-15	20	3 Year	DST(SERB)	16.61
2	Role of Protein kinas a signalling in androgen mediated gene response	Dr. Gargi Bagchi, PI Prof. Rajendra Prasad Co. PI	Amity Institute of Biotechnology	2014-15	46.8	3 Year	DBT Bio-care Women scientist scheme	46.76
3	India-European Union (EU) Research Project" Safeguarding Water Resource in Indian with Green and Sustainable Technology:"(SWINGS) under India-European Union Science & Technology Copperation Agreement.	PI- Dr. AK Raghav, PI Dr. Nadeem Khalil	Amity School of Enginneering & Technology	2014-15		4 Year	DST	-
4	Investingating Aerosol-Cloud Forced Climate Change over India: A Multi-Satellte Approch	PI Dr. Rohini L. Bhawar Co-PI Prof. P.C.S Devara	Amity Centre for Ocean-Atmospheric Science and Technology	2014-15		3 Years	Ministery of Earth Science	-
5	Understanding the molecular Bases of resistance to septoria for wheat improvement in Ethiopia	Tilahun Mekonneh Negassa	Amity Institute of Biotechnology	2015-16	3	6 Month	NAMS & T Center	2.7
6	Silica coated porous zinc oxide nanostructure : A poterit nanocomposit for development ofslow release agrochemicals	PI Dr. Nitai Debnath	Amity Institute of Biotechnology	2015-16	26.45	3 Year	DST(SERB)	25.38
7	Development Of Multiferroic Magnetoelectric Materials And Dilute Magnetic Semiconductors For Multifunctional Applications	PI- Dr. Shalndra Kumar	Amity School of Applied Science	2015-16	11	3 Year	DST	7.92
8	Ion beam induced modifications in MgO based nanophosphors: Luminescence and related studies.	Dr. Ankush Vij	Amity School of Applied Sciences	2015-16	6.03	3 Year	IUAC, New Delhi	-
9	Identification of cGAMP specific phoshodiesterase from Liesnmania donavani and its role in virulence	Dr. Krishna Murari Sinha	Amity Institute of Biotechnology	2016-17	32.49	3 Year	DBT	31.31
10	Unraveling the Role of mTORC2 in Regulation of Sphingolipid Biosynthesis in Breast Cancer Progression	PI-Dr Ujjaini Gupta & Co-PI Prof. Rajendra Prasad	Amity Institute of Biotechnology	2016-17	54.53	3 Year	DBT(Bio-care)	45.12
11	Comparative sphingolipid profiling of breast cancer cell and tissue types for identification of potential metastatic biomarkers	Dr. Ujjaini Das Gupta	Amity Institute of Biotechnology	2016-17	47.15	3 Year	DST(SERB)	35.71
12	Identify disease gene association using Text mining approach	Dr. Alok Srivastava	Amity Institute of Biotechnology	2016-17	29.88	3 Year	DBT	8.54
13	Fund for Improvement of S&T infrastructure in University and Higher Education Institutuion (FIST) Programme-2016	Prof. Rajendra Prasad	Amity Institute of Biotechnology	2016-17	165	5,Years	FIST-2016	81.4
14	Develoments of Nanophasphors for solid state lighting-Electronic Structure and Luminescence study	Dr. Ankush Vij	Amity School of Applied Sciences	2016-17	13.05	3 Year	DAE-CSR Indore	8.28
15	Insight into the mechanism of drugs transport mediated by multidrug transporters of candida-[14117]	Prof. Rajendra Prasad	Amity Institute of Biotechnology	2016-17	74.72	3 Year	DBT	57.31
16	Comprehensive Omics studies to understand the biology of drug resistant Mycobacterium tuberculosis clinical isolates from Arunachal Pradesh	Dr. Zeeshan Famita	Amity Institute of Biotechnology	2016-17	11.9	3 Year	DBT	12.47
17	Developing rapid sensitive high throughput user friendly kit for routine detection of androgens and antiandrogens in water	Dr. Gargi Bagchi, PI Dr. Rajendra Prasad Co. PI	Amity Institute of Biotechnology	2016-17	32.2	3 Year	DST	25.84
18	Role of Cyclic di-AMP in ribosome biogenesis,165 rRINA methyltransferse (RsmD) function and drug resistance in Mycobacerium.	Dr. Krishina Murari Sinha.	Amity Institute of Biotechnology	2017-18	35.36	3 Year	DST(SERB) EMR	13.01
19	Evaluation antimycobacterial potential of Unani drugs Qurs-e-Sartan Kafoori and Sharbat-eEjaz-A Mechanistic Approach	Dr. Zeeshan Fatima	Amity Institute of Biotechnology	2017-18	47.89	3 Year	AYUSH	26.55
20	Novel potential antifungal drug active against multidrug resistant yeast from the candida genus.	PI - Dr. Rajendra Prasad & Dr. Slawomir Milewski	Amity Institute of Biotechnology	2017-18	26.31	3 Year	Indo-Polish DST	12.19
21	Monitoring Pollutants, toxins and microbial community in the chambal river to predict its environment and social consquences	Dr. Purnima Khanna	Amity School of Earth & Environmental Science	2017-18	33.3	3 Year	DST(SERB)	11.5
22	Development of an Immunosensor for Detection of Infectious Disease by NanoWire Field Effect Transistor coupled with Nanoparticles	Dr.Ranjita Ghosh Moulick	Amity Institute of Biotechnology	2017-18	41	3 Year	DST(SERB)	3.93
23	Fabrication of high performance thermally, wind and sound drven flexible nanogenertor for a wide range application	Dr. Brijesh Kumar	Amity Institute of Nano Technology	2017-18	38.66	3 Year	DST(SERB)	25.85
24	Study of in depth genetic heterrogeneeity with respect to resistance and compensatory adaption of MDR Mtb clinically strains inside BM-Mesenchymal stem cells circulating in the North East Region (22952)	Prof. Rajendra Prasad	Amity Institute of Biotechnology	2017-18	50.2	3 Year	DBT	-
25	Development of Lead Free Piezoelectric materials for Energy Harvsting Applications	PI- Dr. Shalndra Kumar	Amity School of Earth & Environmental Science	2017-18	13.05	3 Year	UGC-DAE, CSR	2.39
26	Characterization of Materials for eht Luminescence based Applications	Dr. Ankush Vij	Amity School of Applied Sciences	2017-18	-	5 Year	KIST	-
27	Luminescence Studies of swift heavy ion irradiated rare earth doped MgO based nanophosphors	Co-PI Dr. Ankush Vij	Amity School of Applied Sciences	2017-18	-	-	IUAC, New Delhi	-
28	Development of Multifunctional magnetic Fe-Al Nanocomposites for high temperature applications	Co-PI Dr. Ranjeet Kr. Brajpuriya	Amity Institute of Nano Technology	2017-18	4.5	3 Year	NP Council of Science and technology	-
29	Kinetic Theory of Electrostatic Waves in Dusty	Dr. Jyotsna Sharma	Amity School of Applied Sciences	2018-19	11.08	3 Year	DST(SERB)	6
30	Alternate splicing in clinical drug resistance in pathogenic candida.	PI- Prof. Rajendra Prasad Co-PI Dr. Ravi Dutta Sharma & Dr. Alok Kr. Mandal (JNU)	Amity Institute of Biotechnology	2018-19	24.7	3 Year	DST(EMR)	5.07
31	Combating topical & medical device related fungal infections using engineered Anti-fungal hydrogels	PI Dr. Avinash Bajaj (RCB) Co - PI Prof. Rajendra Prasad & Dr. Ujjaini Dasgupta	Amity Institute of Biotechnology	2018-19	81.56	3 Year	DBT	32.71
32	Unravelling the links between Bioenergetics caonstraints,cell wall integrity and multidrug resistance in fungi.	Prof. Rajendra Prasad & Dmitry Knorre Russia Co PI - Dr. Naseem Akhtar (ICGBE)	Amity Institute of Biotechnology	2018-19	26.44	2 Year	DST-RFBR joint cell	19.92
33	Mechanism, evolution and pharmacology of multidrug resistance in the emerging fungal pathogen Candida auris among Indian cohort of patients	Prof. Rajendra Prasad	Amity Institute of Biotechnology	2018-19	71.99	3 Year	ICMR	25
34	Evaluation of the Nrf2 anti-oxidant response element (ARE) pathway as a promising target for alleviating chemoresistance in treatment of Acute Lymphoblastic Leukemia (ALL)"	Dr. Munindra Ruwali	Amity Institute of Biotechnology	2018-19	15	3 Year	SERB, TARE	2.75
35	A Computational Software to find biomarkers using alternative splicing as a tool	PI- Dr. Ravi Datta Sharma, Co-PI Arnab Mukhopadhyay & Dr. Alok Srivastava	Amity Institute of Biotechnology	2018-19	19.96	3 Year	DBT	14.7
36	Nanotechnology for Healthcare and Environment - Exploring New Horizons	Prof. AK Yadav (ASAS Dept.)	Amity School of Applied Sciences	2018-19	84	5 Year	FIST 2018	-
37	Fabrication of the portable low cost point-of-care optical device for the screening of thalassemic career	Dr. Ranjita Ghosh Moulick	Amity Institute of Biotechnology	2018-19	14.6	2 Year	DST	-
38	Understanding Wnt Pathway and LncRNAs interaction for the identification of novel therapeutic targets in triple-negative breast cancers	Dr. Amit Kumar Pandey	Amity Institute of Biotechnology	2018-19	51.62	3 Year	DST	25.25
39	Unraveling the molecular mechanism of lncRNAs involvement in Glioblastoma	Dr. Amit Kumar Pandey	Amity Institute of Biotechnology	2018-19	71.74	3 Year	DST-RSF	-
40	मैथली भाषाक इतिहास	Prof. Udaya Narayana Singh	Amity Centre of Linguistic Studies	2018-19	0.75	6 Month	मैथली-भोजपुरी अकादमी दिल्ली	-
41	Identify Disease gene association using Google's Tensor Flow	Dr. Alok Srivastava	Amity Institute of Biotechnology	2018-19	33.05	3 Year	ICMR	20.51
42	Identifying the role of P53 regulated long non-coding RNAs(LncRNAs)by Cripsr/Cas9 in ovarian cancer	Dr. Amit Kumar Pandey	Amity Institute of Biotechnology	2018-19	29.92	3 Year	ICMR	29.92