

ANNAMALAI UNIVERSITY

1. RUSA PHASE - I

INFRASTRUCTURE GRANT (2016-17 TO 2019-20)

A fund of Rs.20 Crores has been allotted under RUSA – I for the Annamalai University as Infrastructure Grant, under three major components, such as, New Construction (35%), Renovation (35%) and Facilities (30%).

Summary of Allocation and Expenditure

Sl. No.	Head	Total Allocation (Rs. in lakhs)	Expenditure (Rs.in lakhs)
1.	Creation of New Buildings	700.00	700.00
2.	Renovation/ Up gradation of existing building	700.00	700.00
3.	New Equipment/ Facilities	600.00	600.00
	TOTAL	2000.00	2000.00

As on 06.11.2019, Rs.20,00,00,000/- has been fully utilized.

Major expenditure through RUSA PHASE – I Grant:

Entrusted the work to the TNPWD for constructing a New Academic Building and five rest room complexes for the benefit of students at a total cost of Rs.7.00 crores. Retrofitted the Vice-Chancellor's Camp Office is also carried out by PWD for a tune of Rs.60 lakhs.

Under renovation, Hostels and Libraries are being renovated for Rs.1.00 crore. Upgradation of Auditorium, Canteen and Laboratory in the University are being carried out for Rs.1.10 crores.

Eight Smart Class rooms are created in the University for Rs.45 lakhs. Tennis Court Complex has been relayed for Rs.31.84 lakhs and the Foot Ball Court is also renovated for Rs.14.87 lakhs.

University has erected Solar Power Plant for Rs.1.75 crores. Made Wi-Fi connectivity to all the Hostels in the University for Rs.90.00 lakhs.

University has utilized Rs.2.20 crores for Books/Journals/E-Resources and Rs.3.50 crores for purchasing Computers, Laptops, LCD Projectors, Multi function printers and Lab Equipment for various Departments of the University

2. RUSA-2.0

RESEARCH, INNOVATION AND QUALITY IMPROVEMENT GRANT

A fund of Rs.50.0 Crore has been allotted under component – 10 for Research, Innovation and Quality Improvement under RUSA-2.0 for the Annamalai University.

Summary of Grant Allocation.

Sl. No.	Particulars	Allocation	State Share	Central Share
		(Rupees in Crore)		
1.	Research, Innovation and Quality Improvement	35.0	14.0	21.0
2.	Incubation Centre and Career Hub	15.0	6.0	9.0
	Total	50.0	20.0	30.0

In this allocation amount, so far released in Ist Installment **Rs. 7.5 Crore** (25.04.2019 on Rs. 3.0 Crore and 26.07.2019 on Rs. 4.5 Crore)for **Incubation Centre and Career Hub** and I Installment **Rs. 17.50 Crore** for **Research and Innovation** has been released on 04.12.2020.

The Progress of the works under Incubation Centre and Career Hub are as follows:

Sl. No.	Particulars
1.	Incubation Centre – Infrastructure Development - On going
2.	Educational Multi Media Centre Establishment – On going
3.	RFID facilities provided to Libraries in the University
4.	E- Journals facilities provided to Main Library
5.	Networking for the whole University
6.	Smart Class Room facilities for various Department of Studies.
7.	Infrastructure Development for Lab Structure regarding formulation of new courses
8.	Skill Development Program contacted in the Govt. Colleges, Surrounding of Cuddalore District.
9.	Solar Power installation in the incubation Centre - On going

3. RUSA

RESEARCH & INNOVATION PROJECT

Rs.150 lakhs was sanctioned under RUSA – Research & Innovation Project titled “Indigenous Development of Third Generation Thin Film Photovoltaic Solar Cells by Nano Coatings Technology”. Dr.V.Balasubramanian, Professor, Department of Manufacturing Engineering, Annamalai University is the Principal Investigator. Of this, Rs.75 lakhs was released as first installment. The works were categorized and approved as Rs.4 lakhs for the Contingencies & other cost and Rs.6 lakhs for Manpower and Rs.65 lakhs was approved for procuring equipment. So far, the University made expenditure of Rs.71,27,212 /-.

Summary of Allocation

Sl. No.	Head	Total Allocation (Rs. in lakhs)	Expenditure (Rs.)
1.	Equipment	65.00	63,10,303
2.	Manpower	6.00	5,81,161
3.	Contingencies & other cost	4.00	2,35,748
	TOTAL	75.00	71,27,212

As on 12.10.2020, Rs.71,27,212/- has been utilized, Rs.2,92,579/- has been committed and balance of Rs.80,209/- is available.

Equipment:

University has utilized Rs.63.10 lakhs for purchasing Electron Beam-Physical Vapour Deposition (EB-PVD) System and Multi Target Magnetron Sputtering Systems with Fully Automatic Control of the University, following the tender procedures.

Manpower:

Four Project Associates are working in the Research & Innovation project.

Now, 2nd installment of Rs.37.50 lakhs has been released on 04.12.2020 for this project.

4. PURSE PHASE II

PURSE PHASE II GRANT (2018-19 TO 2021-22)

A fund of Rs. 3391.50 Lakhs has been allotted under DST PURSE II for the Annamalai University as Flexible Component 85% and Fixed component 15%.

Summary of Allocation and Expenditure

Sl. No.	Budget Heads	Amount Sanctioned	Amount Received		Amount Utilized
			I installment	II installment	
(A) Flexible component					
1.	<i>Hardware</i>	770.80	770.80	0	467.82
2.	<i>Consumables</i>	453.88	240.75	213.13	252.27
(B) Fixed component					
3.	<i>Manpower</i>	169.96	85.00	84.96	167.85
4.	<i>Domestic Travel</i>	16.48	8.50	7.98	8.46
5.	<i>Contingency, Maintenance, Seminar / Workshop</i>	58.16	25.50	32.66	28.68
	Sub Total	1469.29	1130.55	338.74	925.07

As on 30.10.2021, Rs. 9,25,07,338/- has been fully utilized and Balance amount of Rs. 5,44,21,333/- is available.

Major expenditure

S.No.	Particulars
1.	Single Crystal XRD
2.	Atomic Absorption Spectrophotometer & Electro Chemical Workstation
3.	Flow cam plankton identifier
4.	Field Emission Scanning Electron Microscope with EDX

National and International Conferences / Seminars / Workshops (2018-2019)

Sl.No.	Faculty	International	National
1	Science	-	6
2	Marine Sciences	1	7
3	Agriculture	1	9
4	Engineering & Technology	1	13
	Total	3	35

**Particulars of the National and International Conferences / Seminars / Workshops
(2018-2019)**

1. Faculty of Science

S.No	Name & Department	Title	Date
1.	Dr. M. Kamarasan, Assistant Professor, Division of Computer and Information Science	Faculty Development Programme on “Pattern Recognition”	14 th to 27 th May 2018
2.	Dr. R. Venkatachalapathy Professor Dept. of Chemistry	National Conference on “Frontiers in Nanoscience (NCFNS 2018)”	4 th & 05 th October 2018
3.	Dr. M. Vijayakumar and Dr. P. Arungam, Assistant Professors, Department of Statistics	National Conference on “Computational Methods in Statistics using SPSS and R”	26 th & 27 th November 2018
4.	Dr. S. Vijaya, Dr. P. Manoharan, Dr. G. Mohanraj, Assistant Professors, Department of Mathematics	National Conference on “Proof Techniques in Mathematics”	26 th & 27 th November 2018
5.	Dr. V. Ramaswamy, Professor & Head, Department of Physics, Faculty of Science	Course on Research Methodology (RM- 2018) for two weeks	10 th to 23 rd December 2018
6.	Mr.M.Y.Mohamed Parvees, Assistant Professor / Programmer, Division of Computer and Information Science, Faculty of Science,	One Day National Workshop on “Programming in R (Hands-on- Training)	06 th March 2019

2. Faculty of Marine Sciences

International

S.No	Name & Department	Title	Date
1.	Dr. S.T. Somasundaram	International Conference on “Marine Plankton for the sustainable fishery Resources” on”	23 rd – 25 th January 2018

National

S.No	Name & Department	Title	Date
1.	Dr. P. Sampathkumar	National Workshop on “Marine Plankton for the sustainable fishery Resources”	07 th December 2018
2.	Dr. M. Kalaiselvam	National Seminar on “Clean Coast for Enhanced Fisheries”	7 th December 2018
3.	Dr. K. Sivakumar	National Symposium on “Sea grasses and their Conservation”	05 th January 2019.
4.	Dr. T. Ramanathan	National Workshop “Biodiversity and Restoration of Mangroves”	28 th September - 2018
5.	Dr. S. Bragadeeswaran	National Workshop on “Marine biotoxin and their consequence in shell fishes (NWMBS-2018)”	28 th December 2018
6.	Dr. B. Deivasigamani	National Workshop on “Cryosectioning of tissues from sentinel Marine Organisms”	27 th December 2018
7.	Dr. R. Lakshmanan	National Workshop on “Recent Techniques in shrimp Farming <i>Litopenaeus vennamei</i> – Biofolc culture”	25 th January 2019

Faculty of Agriculture**National**

S. No	Name & Department	Title	Date	No. of Participants
1.	Dr. T. Selvamuthukumar Assistant Professor, Department of Entomology	International Conference on “Emerging Trends in Phyto Pesticides and Pheromone Research”	3 rd & 4 th January 2019	124
2.	Dr. S. Usharani Co-ordinator Plant Pathology	National Seminar on “Recent Techniques in biological control of Plant Pathogens”	05 th & 06 th October - 2018	65
3.	Dr. S. Natarajan Convener Dr. P. Anandan Dr. K.P. Senthilkumar Organizing Secretaries Agronomy	National Seminar on Climate resilient technology for soil health and sustainable agriculture”	24 th & 25 th January 2018	207
4.	Dr. K. Sitadevi Professor & Head, Agricultural Economics	Workshop on “Quantitative Techniques in Research Data Analysis	19 th & 20 th September 2018	183

5.	Dr. S. Kalaiarasu Dr. K. Kanchana Dr. J. Srimannarayanan	National Seminar on “Novel technologies in Airuculture, food, aqua and Beverages Industries”	28 th & 29 th January 2019	415
6.	Dr. K. Arivazhagan Convener Dr. M.V. Sriramachandrasekaran Soil Science & Agrl. Chemistry	National Seminar on “Technological interventions to enhance nutrient use efficiency to meet food security and environment sustainability”	26 th & 27 th October 2018	245
7.	Dr. M. Vetrichelvan Co-ordinator Agriculture Extension	National Seminar on “Extension strategies and technologies for sustainable agricultural development”	01 st & 02 nd November 2018	255
8.	Dr. S. Rameshkumar Director Horticulture	National symposium on Horticulture in the Vanguard of climate change and urban Environment	07 th & 08 th February 2018	275
9.	Dr. K. Sekar Director Dr. R. Sudahar Dr. S. Venkatesan Organizing Secretaries Horticulture	Workshop on BHUVAN – goeportal for precision farming	08 th & 09 th Jan– 2019	44
10.	Dr. S. Thirugnanakumar Director Dr. P. Senthilkumar Dy. Director Genetics & Plant Breeding	National Seminar on Recent trends in “Hybrid breeding in crop plants”	27 th & 28 th September 2018	135

Faculty of Engineering & Technology

International

S.No	Name & Department	Title	Date
1.	Dr. G. Yamuna, Professor & Head Department of ECE	International Conference on “Innovative Technologies in Electronics, Information and Communication (ICITEIC ‘18)”	12 th & 13 th October 2018

National

S.No	Name & Department	Title	Date
1.	Dr. P.K. Manna Professor & Head Dept. of Pharmacy	“Current Trends in Pharmaceutical Education, Pharmaceutical Industry and Pharmaceutical Profession (CPPP 2018)”	22 nd & 23 rd October 2018
2.	Dr. V. Srinivasan Professor & Head Dept. of Information Tech	National Conference on Recent Trends in Computing and Information Technology	13 th & 14 th November 2018

3.	Dr. G. Ganesan Professor Dept. of Manu. Engg.	National Conference on “Recent Advances in Materials and Manufacturing Engineering”	15 th & 16 th October 2018
4.	Dr. P. Aruna Professor & Head, Department of Computer Science & Engineering,	National Conference on “Machine Learning Techniques”	12 th & 13 th December 2018
5.	Dr. C. Karthikeyan, Professor & Head Department of Chemical Engineering	National Conference on “Recent Advances in Chemical Engineering – RACE 2018”	28 th & 29 th September 2018
6.	Dr. C. G. Saravanan, Professor & Head, Department of Mechanical Engineering	National Conference on “Recent Trends in Mechanical Engineering and CFD Applications (RTMECA18)”	02 nd & 03 rd November 2018
7.	Dr. N. Kumarappan, Professor & Head, Dr. S. Ganapathy, Professor Dr. R. Ashok Bakkiyaraj, Assistant Professor Dept. of Electrical Engineering,	National Conference on “Natural Inspired Computing applied to Electrical Engineering”	06 th & 07 th October 2018
8.	Dr. D. Sivakumar Professor, Dept. of EIE	National Conference on Process Automation, Control and Computing	9 th to 10 th November 2018
9.	Dr. P.N. Raghunath Professor & Head, Department of Civil and Structural Engineering	National Conference on “Advances in Structural and Construction Engineering	09 th & 10 th November - 2018
10.	Dr. V. Parthasarathy, Associate Professor, Department of Pharmacy	National Conference on “Interdisciplinary Interaction on Recent Innovations and Prospects of Phytopharmaceuticals”	26 th & 27 th November 2018
11.	Dr. P. Shanmugaraja, Associate Professor, Dept. of Electronics & Instrumentation Engineering	National Conference on “Emerging Trends and Challenges in Micro / Nano Electro Mechanical Systems and Smart Materials”	12 th & 13 th November 2018
12.	Dr.V.Arutchelvan, Director, Centre for Skill Development	Hands on Training to B.Voc. (Hospital Instrumentation and Management)	30 th January
13.	Faculty of Engineering & Technology	Students on “PCB Design of Medical Electronics”	2019 & 1 st February 2019

Publication

1. Lakshmithendral, K., K Saravanan, **R Elancheran**, K Archana, N Manikandan, HA Arjun, M Ramanathan, NK Lokanath, S Kabilan, Design, synthesis and biological evaluation of 2- (phenoxyethyl)-5-phenyl-1, 3, 4-oxadiazole derivatives as anti-breast cancer agents, *European Journal of Medicinal Chemistry*, 168, 1, 2019 (IF-5.572)
2. **Elancheran R**, Kabilan S, Kotoky J, Ramanathan M, Bhattacharjee A, In Silico Molecular Docking, Synthesis of 4-(4-benzoylaminophenoxy) Phenol Derivatives as Androgen Receptor Antagonists, *Comb. Chem. High Throughput Screen.*, 2019 Jul 1. DOI: 10.2174/1386207322666190701124752 (IF-1.2)
3. Arjun HA, **Elancheran R**, Manikandan N, Lakshmithendral K, Ramanathan M, Bhattacharjee A, Lokanath NK, Kabilan S, Design, Synthesis, and Biological Evaluation of (E)-N'-((1-Chloro-3,4-Dihydronaphthalen-2-yl)Methylene) Benzohydrazide Derivatives as Anti-prostate Cancer Agents, *Front. Chem.* 2019 Jul 10;7:474. doi: 10.3389/fchem.2019.00474. (IF-3.78).
4. Arjun HA, Rajan RK, **Elancheran R**, Lakshmithendral K, Ramanathan M, Bhattacharjee A, Kabilan S. In Silico and In Vitro Studies of Benzohydrazide Analogues as Potent Androgen Receptor Antagonist. *In Conference on Drug Design and Discovery Technologies* 2019 Nov 19 (pp. 103-107).
5. Maruthanila VL, **Elancheran R**, Mirunalini S. *Carica Papaya* in Cancer Prevention: An Overview. *Mini Reviews in Medicinal Chemistry* (2020) DOI : 10.2174/1389557520666200811102622 (IF-2.733)
6. Kumari S, Katare PB, **Elancheran R**, Nizami HL, Paramesha B, Arava S, Sarma PP, Kumar R, Mahajan D, Kumar Y, Devi R. Musa balbisiana Fruit Rich in Polyphenols Attenuates Isoproterenol-Induced Cardiac Hypertrophy in Rats via Inhibition of Inflammation and Oxidative Stress. *Oxidative Medicine and Cellular Longevity*. 2020 Jan 27;2020. (IF-5.076)
7. Arjun HA, Anil Kumar GN, **Elancheran R**, Kabilan S. Crystal structure, DFT and Hirshfeld surface analysis of (E)-N'-[(1-chloro-3, 4-dihydronaphthalen-2-yl) methylidene] benzohydrazide monohydrate. *Acta Crystallographica Section E: Crystallographic Communications*. 2020 Feb 1;76(2):132-6.
8. Ananth AH, Manikandan N, Rajan RK, **Elancheran R**, Lakshmithendral K, Ramanathan M, Bhattacharjee A, Kabilan S. Design, Synthesis, and Biological Evaluation of 2-(2-Bromo-3-nitrophenyl)-5-phenyl-1, 3, 4-oxadiazole Derivatives as Possible Anti-Breast Cancer Agents. *Chemistry & Biodiversity*. 2020 Feb;17(2):e1900659. (IF- 2.039)
9. Arjun HA, Rajan RK, **Elancheran R**, Ramanathan M, Bhattacharjee A, Kabilan S. Crystal structure, Hirshfeld surface analysis, DFT and molecular docking studies on benzohydrazide derivatives as potential inhibitors of prostate cancer. *Chemical Data Collections*. 2020 Apr 1;26:100350.
10. Manikandan V, **Elancheran R**, Revathi P, Suganya P, Krishnasamy K, Efficient Photocatalytic Degradation of Crystal Violet by using Graphene Oxide/ Nickel Sulfide Nanocomposites. *Bulletin of Materials Science* (Accepted) (IF-1.392)
11. **Sakthivel K**, Survey of Molluscs in Killai Backwaters of South India. *Indian Journal of Ecology* (2020) 47(1): 190-195
12. **Vidhya R**, Anuradha CV. Anti-inflammatory effects of troxerutin are mediated through elastase inhibition. *Immunopharmacology and Immunotoxicology*. 2020 Aug 6:1-43. (IF- 2.352)

5. MYAS

MINISTRY OF YOUTH AFFAIR AND SPORTS FOR DSS (2018-19 TO 2022-23)

A fund of Rs.25 Crores has been allotted under MYAS for the Department of Sports and Science of Annamalai University and Rs.2.50 crores has been released as 1st installment and Rs.0.50 crores has been released as 2nd installment.

Summary of Allocation and Expenditure

Head	Amount in crores
Grant received so far	3,00,00,000
Expenditure Incurred so far	2,88,70,000
Commitment made so far	4,24,045
Balance Available	7,05,955

As on 10.12.2020, Rs.2,88,70,000/- has been fully utilized, Rs. 4,24,045/- has been committed and balance of Rs.7,05,955/- is available.

Major expenditure

S.No.	Items
1.	Ergometer for upper body
2.	Books
3.	Body Composition Analyzer
4.	Ergometer for lower body
5.	Metabolic Gas Analyser
6.	Wireless sports timing and jump measuring systems
7.	Isokinetic machine
8.	Cardio Pulmonary Exercise Testing Machine
9.	Five Section Treatment table unit
	Non Inter face combo unit
10.	Shock wave
11.	Sit and Reach box
12.	Wireless therapy
13.	Spirometer
14.	Team heart rate monitoring system
15.	Hydrotherapy
16.	Sauna bath
17.	Balance measuring device
18.	Laser Therapy

6. DST-FIST

Sl. NO.	Department		Project Period (5 years from the date of receipt of amount)	Total Amount Sanctioned /Approved (in Lakhs)	Total amount received	Amount Received Date	Date of completion of project
1	Biochemistry & Biotech	Dr. N. Nalini, Professor & Head	2018-19	137.00	109.00	03.01.2019	02.01.2024
2	Physics	Dr. P. Vasantharani, Professor & Head	2018-19	79.50	54.00	30.08.2018	29.08.2023
3	Zoology	Dr. G. Jagadeesan Professor & Head	2018-19	45.00	31.00	16.08.2018	15.08.2023
4	Botany	Dr. K.C.Ravindran Professor & Head	2018-19	41.50	25.00	05.02.2019	04.02.2024
5	Earth Sciences	Dr.S.R.Singarasubramanian, Professor & Head	2018-19	105.50	77.50	09.11.2018	08.11.2023
6	Plant Pathology	Dr. John Christopher Professor or & Head	2019- 20	91.00	70.00	23.08.2019	22.08.2024
7.	Pharmacy	Dr V.P. Pandey Professor & Head	2017-18	85.00	66.00	22.07.2016	21.07.2021
8.	Electrical Engg	Dr.M. Ramaswamy, Professor	2015-16	74.00	62.00	01.10.2015	30.09.2019
9	Mathematics	Dr. S.Sriram, Professor & Head,	2016-17	57.50	36.00	06.09.2016	05.09.2021
10	Statistics	Dr. R.Elangovan,, Professor & Head	2016-17	53.00	29.50	07.09.2016	06.09.2021
Total				769.00	560.00		

7. UGC-SAP

S. No	Department	Name of the Co-ordinator	Year of Award	Duration of the project (5 years)	Total Amount Sanctioned/ Approved (Rs. in lakhs)	Total Amount Received (Rs. in lakhs)
1	Genetics and Plant Breeding	Dr.M.Prakash, Professor	2015	2015-2020	102.50	56.50
2	Civil Engineering	Dr.V.Arutchelvan, Professor	2015	2015-2020	100.00	61.48
3	Botany	Dr.P.Sundaramoorthy, Head	2015	2015-2020	133.50	118.00
4	Pharmacy	Dr.P.K.Manna, Head,	2015	2015-2020	120.50	108.00
5	Manufacturing Engineering	Dr.V.Balasubramanian, Professor	2015	2015-2020	80.00	3.45
6	Biochemistry & Biotechnology	Dr.N.Nalini, Head	2015	2015-2020	160.00	150.00
7	Sociology	Dr. Kirubakaran Samuel, Head	2015	2015-2020	93.50	33.86
8	CAS in Marine Biology	Dr.M.Srinivasan, Dean	2015	2015-2020	299.00	71.40
9	Education	Dr.R.Babu, Head	2015	2015-2020	93.20 + 2 PF	54.91
10	Statistics	Dr.R.Elangovan, Head	2016	2016-2021	36.25 + PF	30.59
11	Linguistics	Dr.R.Saranya, Director	2016	2016-2021	125.00 + 2PF	43.44
12	Economics	Dr.T.R.Jeyaraja, Head	2018	2018-2023	82.50	29.87

