



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

Dr. D. SUDARSANAM,
M.Sc., M.Ed., M.Phil., M.D., D.C.A., P.D.C.A., MCA
Professor &
Program Co-ordinator
DSI - FIST - BIOINFORMATICS &
PRINCIPAL INVESTIGATOR
SCHOOL OF GENOMICS
Department of Advanced Zoology &
Bio Technology, Medical Lab Technology
& Bio-medical Instrumentation Science,
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Res. "PONN GRUHA" # 13/2, Gulam Abbas Alikhan IV Street, Thousand Light,
Chennai - 600 006 Southern India.



UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110002

FD Diary No. - 2832
Dated - 11.08.2015

F. No. - 43-325/2014(SR) ✓

MRP-MAJOR-ENVI-2013-21760
(OBC)

Dated :- Aug, 2015



The Under Secretary (FDIII),
University Grants Commission,
Bahadur Shah Zafar Marg,
New Delhi-110002.

Sub. :- Release of Grants-in-aid to Loyola College, Sterling Road, Nungambakkam, Chennai, Tamil Nadu 600034 for the year 2015-16 under Plan in respect of Major Research Project entitled "ASSESSING.....ECOSYSTEM " awarded to DR.D.SUDARSANAM , Department of ~~Dept. of Advanced Zoology & Biotechnology~~ Environmental Science, Tenure of project for 3 year(s) w.e.f. 01/07/2015 .

Sir/Madam,

I am directed to convey the approval sanction of the University Grants Commission for payment of grant of Rs. 8,68,000/- (Rupees: EIGHT LAKHS SIXTY EIGHT THOUSAND ONLY) as 1st instalment for the years 2015-16 towards Major Research Project to the PRINCIPAL , Loyola College, Sterling Road, Nungambakkam, Chennai, Tamil Nadu 600034 for the Plan expenditure to be incurred during 2015-16 .

S. No.	Items	Head of Account	Amount Approved(Rs.)	Grant being Released as 1st Installment(Rs.)	Grant Already Released(Rs.)	Total Grant(Rs.)
A.	Non-Recurring	3(A).49(a).35				
1.	Books & Journals		Rs. 50,000/- ✓	Rs. 50,000/-	-	Rs. 50,000/-
2.	Equipment		Rs. 2,50,000/- ✓	Rs. 2,50,000/-	-	Rs. 2,50,000/-
B.	Recurring	3(A).49(a).31				
1.	Honorium to Retd. Teacher @ Rs. 18,000/- p.m.		Rs. 0/- ✓	Rs. 0/-	-	Rs. 0/-
2.	a. Project Fellow (Non-Gate/Non NET) @ Rs. 14,000/- p.m. b. Project Fellow (Gate/NET/GPAT) @ Rs. 16,000/- p.m. Tenure - 3 year(s)		Rs. 6,00,000/-	Rs. 3,00,000/-	-	Rs. 3,00,000/-
3.	Chemical/Glassware/Consumable (Raw Material & Packaging Material etc.)		Rs. 1,00,000/-	Rs. 50,000/-		Rs. 50,000/-
4.	Contingency		Rs. 1,20,000/-	Rs. 60,000/-	-	Rs. 60,000/-
5.	Hiring Services		Rs. 60,000/-	Rs. 30,000/-	-	Rs. 30,000/-
6.	Travel / Field Work		Rs. 80,000/-	Rs. 40,000/-	-	Rs. 40,000/-
7.	Any Other		Rs. 0/- ✓	Rs. 0/-		Rs. 0/-
8.	Overhead Charges 10% of approved recurring Grant (Except Travel & Field Work)		Rs. 88,000/- ✓	Rs. 88,000/-		Rs. 88,000/-
	Total (A + B)		Rs. 13,48,000/-	Rs. 8,68,000/-		Rs. 8,68,000/-



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. Albin T. Fleming**, Department of Advanced Zoology and Biotechnology, Loyola College at a cost of **Rs. 13,78,900** (Thirteen lakhs seventy eight thousand and nine hundred only) for a period of two years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	ADVANCED ZOOLOGY & BIOTECHNOLOGY			
PROJECT CODE	ILCTO114AZB001			
TITLE OF THE PROJECT	Bio - Discovery Of Potent Anti-Cancer Agents From Plant And Marine Resources.			
NAME OF THE PI	DR. ALBIN T. FLEMING			
NAME OF THE CO-PI				
PROJECT DURATION	2 yrs			
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)	
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II
A. NON RECURRING				
EQUIPMENTS		0	0	0
TOTAL (A)		0	0	0
B. RECURRING				
RESEARCH PERSONNEL	JRF1 @ 16,000/-p.m.	384000	192000	192000
	JRF2 @ 16,000/-p.m.	384000	192000	192000
CONTINGENCY		150000	75000	75000
FIELD WORK/TRAVEL		100000	50000	50000
HIRING SERVICES		0	0	0
CONSUMABLES		300000	150000	150000
OVERHEAD		60900	30450	30450
TOTAL (B)		1378900	689450	689450
GRAND TOTAL (A+B)		1378900	689450	689450

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14

25/11/14
REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

Principal

LOYOLA COLLEGE

CHENNAI - 600 034



Received
26/11/14



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

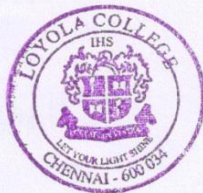
I wish to convey the Sanction of Major Research Project -2014 to **Dr. M. C. John Milton**, Department of Advanced Zoology and Biotechnology, Loyola College at a cost of **Rs. 31,24,600** (Thirty one lakhs twenty four thousand and six hundred only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	ADVANCED ZOOLOGY & BIOTECHNOLOGY				
PROJECT CODE	1LCTOI14AZB002				
TITLE OF THE PROJECT	Determination Of Heavy Metal Concentrations In Water, Sediment And Selected Biota From Pallikaranai swamp, Tamil Nadu, India And Its Potential Risk To Human Health Via Consumption Of Fish.				
NAME OF THE PI	DR. M.C. JOHN MILTON				
NAME OF THE CO-PI					
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	ATOMIC ABSORPTION SPECT	1500000	1500000	0	0
TOTAL (A)		1500000	1500000	0	0
B. RECURRING					
RESEARCH PERSONNEL	JRF1 @ 16,000/-p.m.	576000	192000	192000	192000
	JRF2 @ 16,000/-p.m.	576000	192000	192000	192000
CONTINGENCY		150000	50000	50000	50000
FIELD WORK/TRAVEL		100000	50000	25000	25000
HIRING SERVICES		0	0	0	0
CONSUMABLES		150000	75000	50000	25000
OVERHEAD		72600	25450	24200	22950
TOTAL (B)		1624600	584450	533200	506950
GRAND TOTAL (A+B)		3124600	2084450	533200	506950

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14

REV. DR. G. JOSEPH ANTONY SAMY S.J.
PRINCIPAL



Principal
LOYOLA COLLEGE
CHENNAI - 600 034

Received
M. Cheluvani
26/11/14



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. S. Vincent**, Director, LIFE, Loyola College at a cost of **Rs. 26,42,200** (Twenty six lakhs forty two thousand and two hundred only) for a period of two years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	LOYOLA INSTITUTE OF FRONTIER ENERGY			
PROJECT CODE	6LCTOI14LIF001			
TITLE OF THE PROJECT	Preparation And Use Of Collagen Based Biomaterials For Therapeutic Applications.			
NAME OF THE PI	DR. S. VINCENT			
NAME OF THE CO-PI				
PROJECT DURATION	2 yrs			
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)	
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II
A. NON RECURRING				
EQUIPMENTS	DEEP FREEZER -80C	350000	350000	0
	NANODROP SPECTROMETER	400000	400000	0
	MULTICHANNEL PIPETTE	150000	150000	0
TOTAL (A)		900000	900000	0
B. RECURRING				
RESEARCH PERSONNEL	SRF1 @ 18,000/-p.m.	432000	216000	216000
	SRF2 @ 18,000/-p.m.	432000	216000	216000
CONTINGENCY		100000	50000	50000
FIELD WORK/TRAVEL		100000	50000	50000
HIRING SERVICES		200000	100000	100000
CONSUMABLES		400000	200000	200000
OVERHEAD		78200	39100	39100
TOTAL (B)		1742200	871100	871100
GRAND TOTAL (A+B)		2642200	1771100	871100

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



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Sams
26/11/14*

REV. DR. G. JOSEPH ANTONY SAMY S.J.
PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

Antony 25/11/14



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

19-68/2012-RE
Government of India
Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan,
Jor Bagh Road, Aliganj,
New Delhi-110003
Date: 07/07/2015

To
The Pay & Accounts Officer,
Ministry of Environment, Forest and Climate Change,
New Delhi.

Sub: Release of Grants in Aid to The Principal, Loyola College, Chennai for the year 2015-16 (Plan)
- regarding.

Sir,

I am directed to convey the Sanction of the President to the approval of expenditure for the research project entitled "Development of Hybrid Nanomaterial – based water filters for affordable potable water" under the guidance of Dr. V. Alexander, Department of Chemistry, Loyola College, Chennai at a total cost of Rs. 71,78,000/- as per the break up given below:-

Head	1 st year	2 nd year	3 rd year	Total
A) Fellowship				
JRF-2 (@ 16,000/- p.m. + HRA 30% P.M.) (I & II yr)	2,49,600	2,49,600	2,80,800	
Salary @ 18,000 + 30% HRA (III yr.)	2,49,600	2,49,600	2,80,800	
For the 3 rd year Rs. 18,000/- + 20% HRA.	4,99,200	4,99,200	5,61,600	15,60,000
B) Permanent Equipment				
1. ICP-Optical Emission Spectrometer	33,00,000	--	--	33,00,000
2. Column & Bed Reactor Assemblies				
C) Expendables (Chemicals & Glassware)	3,00,000	3,00,000	3,00,000	9,00,000
(b) Skilled helper for nursery and field works @ 5000/- per month	1,00,000	1,00,000	1,00,000	3,00,000
(B) Permanent Equipment UV Spectrometer Culture Rack Autoclave	33,00,000	-	-	33,00,000
C) Expendables (Chemicals & Glassware)	3,00,000	3,00,000	3,00,000	9,00,000
D) Travel	1,00,000	1,00,000	1,00,000	3,00,000
E) Other project cost, if any (Please specify)	1,00,000	1,00,000	1,00,000	3,00,000

Dean of Research
4/8/15



Sub-total	42,99,200	9,99,200	10,61,600	63,60,000
Contingencies 5%	2,14,960	49,960	53,080	3,18,000
Sub-total	45,14,160	10,49,160	11,14,680	66,78,000
Institutional Charges	2,00,000	1,50,000	1,50,000	5,00,000
Total	47,14,160	11,99,160	12,64,680	71,78,000

2. Sanction of the President is hereby conveyed to release funds of Rs. 47,14,160/- (Rupees Forty seven lakh fourteen thousand one hundred and sixty only) as 1st instalment towards Grant-in-Aid to Principal, Loyola College, Chennai for the above research project for the financial year 2015-16 (Plan). The breakup of the amount of Rs. 47,14,160/- for the 1st instalment is as follows:-

Item	Amount (Rs.)
Fellowship JRF-2	2,49,600
Salary @ Rs. 16,000 + 30% HRA (I&II yr)	2,49,600
Salary @ Rs.18,000 + 30% HRA (III yr)	4,99,200
Permanent Equipment	33,00,000
Expendables/Consumables Chemicals, Glassware and other items	3,00,000
Travel	1,00,000
Contingencies 5%	2,14,960
Institutional Charges	2,00,000
Grand Total	47,14,160

3. The grants-in-aid will be regulated in accordance with the provisions contained in the GOI Rules. The Grants-in-Aid also subject to the Chapter 9 of the General Financial Rules, 2005, as amended from time to time, read with the Government of India's decisions incorporated there-under, and any other guidelines which may be issued in this regard, and in particular to the following conditions:-

(i) All relevant information and documents/certificates as required under GFR 209 (1) have been received.

(ii) The pattern of assistance of rules governing such grants-in-aid have received the approval of the Ministry of Finance, as required under Govt. of India Decision No. (1) under DFPR-Rules 20.

(iii) Assets acquired wholly or substantially out of government Grants shall not be disposed off without obtaining the prior approval of the sanctioning authority of Grants-in-Aid.

(iv) Since the project is new, no previous Utilization Certificate (UC) is required. The Utilization Certificate for the amount being released now will be furnished by Loyola College, Chennai when the request for release for further amount for the project is made, or at the request for release of further amount for the project is made, or at the end of the financial year, whichever is earlier. The grantee organization shall furnish Utilization Certificate along with the request for release of further Grants-in-Aid certifying that the fund released to them for which Utilization Certificate has not been issued has been utilized exclusively in pursuance of object envisaged in the Rules/Memorandum of Loyola College, Chennai-600 034 and that the grant has been spent for the project for which it was sanctioned with the extent instruction/rules and with the approval of competent authority in each case.

(v) The Implementing Agency may furnish their performance-cum-achievement report on or before 31.03.2016 to the sanctioning Authority.



(241)

No.SB/SO/HS-0246/2012
Science and Engineering Research Board
(SERB)

5 & 5A, Lower Ground Floor,
Vasant Square Mall, Plot No. A,
Community Centre, Sector-5, Pocket-5
Vasant Kunj, New Delhi-110070
Dated: 18/9/2015

ORDER

Sub: Research project entitled, "Development of gadolinium chelates conjugated fluorescent gold nanoparticles and cytotoxic drug entrapped entrapped liposome nanoplatform for the targeted delivery of cancer diagnostic and therapeutic agents." under the guidance of Prof. V Alexander, Dept. of Chemistry, Loyola College, Chennai-600034, Tamil Nadu.

In continuation to SERB's sanction order No. SB/SO/HS-0246/2012, dated 27/09/2013 sanction of the Science & Engineering Research Board (SERB) is here by accorded to the payment of a sum of Rs.10,00,000/- (Rupees Ten Lakh Only) as the grant for the financial year(FY) 2015-2016 for implementation of the above said project.

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
3. It is certified that provisions of GFR 212 relating to Utilization Certificates (UCs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.
4. The expenditure involved is debitible to "Fund for Science & Engineering Research (FSER) – Recurring Head". This release is made under "PAC- Health Science".
5. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/4152/2015-2016 dated 16/09/2015.
6. The amount of Rs.10,00,000/- (Rupees Ten Lakh Only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed to The Principle, Loyola College, Chennai-600034, Tamil Nadu, by means of cheque or of RTGS transaction as per their Bank details given below

Account Name	Principle, Loyola College, Chennai-600034 (Loyola College, Delhi Research Project II A/C)
Account Number	171201000008626
Bank Name & Branch	Indian Overseas Bank & Loyola College Branch, Nungambakkam, Chennai- 600034
IFSC/RTGS Code	IOBA0001712
SERB Officer's Email ID	sanctionhealthscience@gmail.com
PI Email ID	valexander@rediffmail.com

Dean of Research
Anthony 26/9/15

Cont...2/-





Gmail

Madhavan Jaccob <madhavanjack05@gmail.com>

Fwd: RTGS/NEFT UTR/ TRANS No. – File No. SB/FT/CS-165/2013

2 messages

Prasanna <prasanna@serb.gov.in>
To: Madhavan Jaccob <madhavanjack05@gmail.com>

Wed, Sep 23, 2015 at 11:50 AM

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With best regards
Sangeeta Soni(Proj Asst) to
Dr. S. V. PRASANNA
SCIENTIST,
SCIENCE & ENGINEERING RESEARCH BOARD,
GeI, NEW DELHI.

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----- Forwarded message -----
From: "Finance Wing, SERB" <finance@serb.gov.in>
To: madhavanjack05@gmail.com
Cc: "DR. S V PRASANNA, SCIENTIST -C" <prasanna@serb.gov.in>
Date: Wed, 23 Sep 2015 11:28:35 +0530
Subject: RTGS/NEFT UTR/ TRANS No. – File No. SB/FT/CS-165/2013

Mr/Ms/Prof/Dr.

M JACCOB

D/o CHEMISTRY,

LOYOLA COLLEGE,

CHENNAI - 600034

TAMIL NADU

Subject: RTGS/NEFT UTR/ TRANS No. – File No. SB/FT/CS-165/2013

Sir/Madam,

I am directed to refer to Science & Engineering Research Board (SERB) sanction order no. SB/FT/CS-165/2013 dated 24-08-2015 and forward herewith the following for information and necessary action:

RTGS/NEFT UTR/Transaction no.: UBINH15260561696 / SAA156642045 dated 17-09-2015.

₹150000/- (RUPEES ONE LAKH FIFTY THOUSAND ONLY)



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

No. DST/TM/WTI/2K12/78(G)/2
Government of India
Ministry of Science and Technology
Department of Science and Technology

Technology Bhavan
New Mehrauli Road
New Delhi-110 016
Date: 10.11.2015

Sanction Order

Subject: Financial support for project entitled "Development of macrocyclic ligands and dendritic wedges intercalated layered double hydroxide(LDH)-based water filters for affordable potable water" submitted by Dr. V Alexander, Loyola College, Chennai.

In continuation of this Department's Sanction Order even number dated: 01.07.2013 sanction of the Approval of the President is hereby accorded to revise the total project cost at Rs. 32,75,500/- due to revision in manpower cost & The payment of a sum of **Rs. 12,00,000/- (Rupees Twelve lakh Only) to The Principal, Loyola College, Chennai-600034**, being the grant for the year 2015-2016 as Second Installment for continuation of the above said Research Project. The manpower emoluments are as per revised guidelines of DST for fellowships. The revised project cost is as under:

No	Item	Amount in Rs.			
		1 st Year	2 nd Year	3 rd Year	Total
A	Capital--Equipment Total	11,70,000	-----	-----	11,70,000
B	Recurring--General				
1.	Manpower: JRF (Nos1)	2,18,400	3,47,100 (as per revised fellowship from oct, 1 st 2014)	3,90,000 (as per revised fellowship from oct, 1 st 2014)	9,55,500
2.	Travel	50,000	50,000	50,000	1,50,000
3.	Contingencies	50,000	25,000	25,000	1,00,000
4.	Consumables	2,00,000	2,00,000	2,00,000	6,00,000
5.	Other Cost(Analysis Charges)	50,000	50,000	50,000	1,50,000
6.	Overhead Charges on A+B	50,000	50,000	50,000	1,50,000
	Sub total (General)	6,18,400	7,22,100	7,65,000	21,05,500
	Grand Total (A+B)	17,88,400	7,22,100	7,65,000	32,75,500

2. It is certified that provision of GFR 212 relating to Utilization Certificates (UCs) for the funds released under the grant have been satisfied and the UC are being enclosed herewith to pay and accounts officer of Department of Science and Technology, New Delhi.

3. The sanctioned manpower is coterminous with the duration of the project and that DST would have no liability to meet this manpower cost beyond the duration of the project.

4. The expenditure involved is debitable to-
Demand No 86 Department of Science and Technology
3425 Other Scientific Research (Major Head)
60 Other (sub major heads)
60.200 Assistance to other scientific bodies (Minor head)
26 Technology Development Programme (SERI/WTI)
26.01.31 Grants-in-aid General for the year 2015-16 (Plan) (SERI/WTI)

5. As per Rule 211 of GFRs, the accounts of Grantee Institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so.

Next



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**



UNIVERSITY GRANT COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002
GEN

FD Diary No. 10456

Dated : 03.12.2015

No.42-287/2013 (SR)

Dated: December, 2015

The Under Secretary (FD-III)
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi – 110002

113 FEB 2016

Sub: Release of Grant-in aid to **Loyola College, Chennai- 600034 Tamil Nadu** for the year 2015-16 under plan in respect of Major Research Project entitled "**Synthesis..... assemblies**" awarded to **Dr. V. Alexander, Department of Chemistry**, tenure of project from **01.4.2013 to 31.3.2016**.

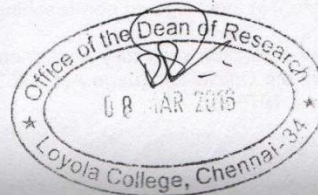
Sir,

I am directed to convey the sanction of the University Grants Commission for payment of grant of **Rs. 4,93,760/- (Rupees Four lakh ninety three thousand seven hundred sixty only)** as 2nd installment for the year 2015-16 towards Major Research Project to **The Principal, Loyola College, Chennai- 600034 Tamil Nadu** for the plan expenditure to be incurred during 2015-16.

Name of the Item	Amount Allocated	Head of Account	Grant now Being Sanctioned	Grant already Released	Total Grant
Books & Journal	.....	3.A(49)(a).35	.....	.....	.....
Equipment	4,00,000/-		.....	4,00,000/-	4,00,000/-
Honorarium	.....	3.A(49)(a).31	.....	.....	.....
Project fellow	5,28,000/-		2,11,200/-	2,64,000/-	4,75,200/-
HRA	1,58,400/-		1,42,560/-	.....	1,42,560/-
Chemicals	2,00,000/-		80,000/-	1,00,000/-	1,80,000/-
Contingency	1,50,000/-		60,000/-	75,000/-	1,35,000/-
Hiring Services	.....		.....	.....	.....
Travel/field work	.....		.....	.....	.....
Overhead Charges	87,800/-		.....	87,800/-	87,800/-
Additional Grant	.....		.....	.....	.....
Total	15,24,200/-		4,93,760/-	9,26,800/-	14,20,560/-

1. The sanctioned amount is debit able to **Major Research Project head Sector 3.A(49)(a).31** and is valid for payment during the financial year **2015-16** only.

Dean of Research / Bursar
2/3/16





**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

FILE NO. EMR/2015/001695
SCIENCE & ENGINEERING RESEARCH BOARD

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 05-Jan-2016

ORDER

Subject: Financial Sanction of the research project titled "Development of novel d-f heterometallic complexes as bimodal imaging probes for MRI and fluorescence imaging: Synthesis, relaxivity, in vitro fluorescence imaging, and cytotoxicity studies" under the guidance of Dr. Vedamanickam Alexander, Chemistry, Loyola College (Autonomous), Near Nungambakkam Railway Station, Sterling Road, Nungambakkam, TAMIL NADU, CHENNAI-600034 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 4774800/- (Rs. Forty Seven Lakh Seventy Four Thousand Eight Hundred Only) with break-up of Rs. 1350000/- under Capital (Non-recurring) head and Rs. 3424800/- under General (Recurring) head for a duration of Three years. The items of expenditure for which the total allocation of Rs. 4774800/- has been approved are given below:

The following budget may be considered for Loyola College (Autonomous), Near Nungambakkam Railway Station, Sterling Road, Nungambakkam

S.No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> FT-IR Spectrophotometer	1350000
A'	Total (Non-Recurring)	1350000
B	Recurring Items	
1	Recurring - A : (Manpower, Consumables, Travel, Contingencies, Other Cost)	2924800
2	Recurring - B : (Overhead Charges)	500000
B'	Total (Recurring)	3424800
C	Total cost of the project (A' + B')	4774800

- Sanction of the SERB is also accorded to the payment of
 - Rs. 1350000/- (Rupees Thirteen Lakh Fifty Thousand only) under 'Grants for creation of capital assets' and Rs. 1134000/- (Rupees Eleven Lakh Thirty Four Thousand only) under 'Grants-in-aid General' to Principal, Loyola College (Autonomous), Near Nungambakkam Railway Station, Sterling Road, Nungambakkam being the first installment of the grant for the year 2015-2016 for implementation of the said research project.
- The expenditure involved is debit to
Fund for Science & Engineering Research (FSER)
This release is being made under Extra Mural Research Funding (Individual Centric), (Inorganic Chemistry)
- The Sanction has been issued to Loyola College (Autonomous), Near Nungambakkam Railway Station, Sterling Road, Nungambakkam with the approval of the competent authority under delegated powers on 26 December, 2015 and vide Diary No. SERB/F/6907/2015-16 dated 02 January, 2016
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
- Overhead expenses are meant for the host institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.
- While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.
- The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.





**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

3/11/2016

The Electronic Project Proposal Management System, For SERB

FILE NO. YSS/2015/001441
SCIENCE & ENGINEERING RESEARCH BOARD

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 04-Mar-2016

ORDER

Subject: Financial Sanction of the research project titled "Development of novel NIR emitting d-f heterometallic photochemical supramolecular assemblies and in vitro fluorescence imaging studies" under the guidance of Dr. AROCKIA SAMY, Chemistry, Loyola College (Autonomous), Near Nungambakkam Railway Station, Sterling Road, Nungambakkam, TAMIL NADU, CHENNAI-600034. Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 2158500/- (Rs. Twenty One Lakh Fifty Eight Thousand Five Hundred Only) with break-up of Rs. 522500/- under Capital (Non-recurring) head and Rs. 1636000/- under General (Recurring) head for a duration of Three years. The items of expenditure for which the total allocation of Rs. 2158500/- has been approved are given below:

The following budget may be considered for Loyola College (Autonomous), Near Nungambakkam Railway Station, Sterling Road, Nungambakkam

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Diode Array UV Visible Spectrophotometer	522500
A'	Total (Non-Recurring)	522500
B	Recurring Items	
1	Recurring - A : (Manpower, Consumables, Travel, Contingencies)	1440000
2	Recurring - B : (Overhead Charges)	196000
B'	Total (Recurring)	1636000
C	Total cost of the project (A' + B')	2158500

- Sanction of the SERB is also accorded to the payment of
 - Rs. 522500/- (Rupees Five Lakh Twenty Two Thousand Five Hundred only) under 'Grants for creation of capital assets' and Rs. 545333/- (Rupees Five Lakh Forty Five Thousand Three Hundred and Thirty Three only) under 'Grants-in-aid General' to Principal, Loyola College (Autonomous), Near Nungambakkam Railway Station, Sterling Road, Nungambakkam being the first installment of the grant for the year for implementation of the said research project.
- The expenditure involved is debit to

Fund for Science & Engineering Research (FSER)

 This release is being made under Start Up Research Grant (Young Scientist). (Chemical Sciences)
- The Sanction has been issued to Loyola College (Autonomous), Near Nungambakkam Railway Station, Sterling Road, Nungambakkam with the approval of the competent authority under delegated powers on 03 March, 2016 and vide Diary No. SERB/F/8248/2015-16 dated 04 March, 2016

19 MAR 2016



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. A. Jeya Rajendran**, Department of Chemistry, Loyola College at a cost of **Rs. 27,73,050** (Twenty seven lakhs seventy three thousand and fifty only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	CHEMISTRY				
PROJECT CODE	2LCTOI14CHM002				
TITLE OF THE PROJECT	Radiolabelling Of Novel Ligands With ^{99m} Tc AS Myocardial Perfusion Imaging Agents				
NAME OF THE PI	DR. A. JEYA RAJENDRAN				
NAME OF THE CO-PI					
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	FT-IR	950000	950000	0	0
	UV-VIS SPECTROPHOTOMET	380750	380750	0	0
TOTAL (A)		1330750	1330750	0	0
B. RECURRING					
RESEARCH PERSONNEL	JRF1 @ 16,000/-p.m.	576000	192000	192000	192000
CONTINGENCY		150000	50000	50000	50000
FIELD WORK/TRAVEL		50000	20000	20000	10000
HIRING SERVICES		0	0	0	0
CONSUMABLES		600000	300000	200000	100000
OVERHEAD		66300	27100	22100	17100
TOTAL (B)		1442300	589100	484100	369100
GRAND TOTAL (A+B)		2773050	1919850	484100	369100

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



Received
CAB

REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

RP

25/11/14



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. J. Judith Vijaya**, Department of Chemistry, Loyola College at a cost of **Rs. 38,89,800** (Thirty eight lakhs eighty nine thousand and eight hundred only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	CHEMISTRY				
PROJECT CODE	2LCTOI14CHM003 -				
TITLE OF THE PROJECT	Organic Template-Free Synthesis Of Hierarchical Pure And M-Impregnated (M= Cu, Ni) ZSM-5zeolites Using Waste Materials (Rice Husk Ash, Rice Hull Ash, Rice Straw Ash) As Silica Source For The Various Industrially Significant Catalytic Applicatons				
NAME OF THE PI	DR. J. JUDITH VIJAYA				
NAME OF THE CO-PI					
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	FIXED BED REACTOR SYSTE	2700000	2700000	0	0
TOTAL (A)		2700000	2700000	0	0
B. RECURRING					
RESEARCH PERSONNEL	JRF1 @ 16,000/-p.m.	576000	192000	192000	192000
CONTINGENCY		150000	50000	50000	50000
FIELD WORK/TRAVEL		60000	20000	20000	20000
HIRING SERVICES		0	0	0	0
CONSUMABLES		350000	200000	100000	50000
OVERHEAD		53800	22100	17100	14600
TOTAL (B)		1189800	484100	379100	326600
GRAND TOTAL (A+B)		3889800	3184100	379100	326600

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

Principal

LOYOLA COLLEGE
CHENNAI - 600 034

Received
J. Judith Vijaya
26/11/14



MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. M. Jacob**, Department of Chemistry, Loyola College at a cost of **Rs. 23,03,000** (Twenty three lakhs and three thousand only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	CHEMISTRY				
PROJECT CODE	2LCTOI14CHM001				
TITLE OF THE PROJECT	Computational Design Of Ionic Liquid Based Catalyst For Industrially Relevant Chemical Reactions				
NAME OF THE PI	DR . M. JACOB				
NAME OF THE CO-PI					
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	HP/IBM BASED COMPUTING	1437400	1437400	0	0
	AOMIX SOFTWARE	16750	16750	0	0
	AIM 2000 SOFTWARE	36550	36550	0	0
TOTAL (A)		1490700	1490700	0	0
B. RECURRING					
RESEARCH PERSONNEL	JRF1 @ 16,000/-p.m.	576000	192000	192000	192000
CONTINGENCY		90000	30000	30000	30000
FIELD WORK/TRAVEL		50000	20000	20000	10000
HIRING SERVICES		0	0	0	0
CONSUMABLES		60000	20000	20000	20000
OVERHEAD		36300	12100	12100	12100
TOTAL (B)		812300	274100	274100	264100
GRAND TOTAL (A+B)		2303000	1764800	274100	264100

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



REV. DR. G. JOSEPH ANTONY SAMY S.J.
PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

Received
[Signature]

[Signature]

[Handwritten Signature] 25/11/14



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**



UNIVERSITY GRANTS COMMISSION
SOUTH EASTERN REGIONAL OFFICE
5-9-194, CHIRAG ALI LANE, IV FLOOR A.P.S.F.C. BUILDING, HYDERABAD -500 001
Phones: 040 - 23204735, 23200208 FAX: 040 - 23204734,
Website: www.ugc.ac.in,ugcsero@gmail.com

No: F. MRP-4086/12 (MRP/UGC-SERO)

AUGUST, 2015

The Accounts Officer
South Eastern Regional Office
University Grants Commission
Hyderabad - 500 001

LINKNO:4086. DEPT:ENGLISH
COMCODE: TNMD010

1 SEP 2015

Sub: Release of Grants-in-aid to The Principal LOYOLA COLLEGE CHENNAI600034. Under the Scheme "Minor Research Projects" - Reg.

Sir/Madam,

I am directed to convey the sanction of the Commission for the payment of Rs.12500. to The Principal, LOYOLA COLLEGE CHENNAI 600034. towards the Minor Research Project entitled TRANSLATION OF FOLKTALES WITH ECOFEMINIST CONCERNS FROM TAMIL TO ENGLISH awarded to MRS. MARY VIDYA PORSELVI. P. Department of ENGLISH as per the details given below:-

Item	Allocation (Rs.)	Amount sanctioned so far (Rs.)	Amount being sanctioned (Rs.)	Total amount sanctioned (Rs.)
Contingency	10000.	5000.	5000.	10000.
Chemicals	0 0	0 0	0 0	0 0
Travel/Field Work	15000.	7500.	7500.	15000.
Total	25000.	12500.	12500.	25000.
Equipment	35000.	35000.	0 0	35000.
Books	20000.	20000.	0 0	20000.
Total	55000.	55000.	0 0	55000.
Grand Total	80000.	67500.	12500.	80000.

1. The Recurring grant is debit able to following head of account.

Amount Sanctioned	SC (16%) 3B GIA Gen.31	ST (8%) 3C GIA Gen.31	General (76%) 3A GIA Gen.31
Rs.12500.	Rs.2000.	Rs.1000.	Rs.9500.

- The sanctioned amount is debatable to the major Head General (31)- Minor Research Project and is valid for payment during the financial year 2015 - 2016 only.
- The amount of the grant shall be drawn by the Account Officer, SERO, UGC, Hyderabad (Drawing and Disbursing Officer), University Grants Commission on the Grants-in-aid bill and shall be disbursed to and credited to the Principal, LOYOLA COLLEGE CHENNAI 600034. by him/her through Cheque /Demand Draft/Mail Transfer.
- The Grant is subject to the Adjustment on the basis of Utilization Certificate in the prescribed Performa submitted by the College and other completion documents duly signed by all concerned.
- The University/College shall maintain proper accounts of the expenditure out the Grants, which shall be utilized, only on approved items of expenditure.
- The utilization certificate to the effect that the Grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year. Balance grant will be released only on receipt of audited UC and Statement of Expenditure etc., signed by Chartered Accountant for the whole amount spent by the P.I.
- The assets acquired wholly or substantially out of University Grants Commission's Grant shall not be disposed or encumbered or utilized for the purposes other than those for which the Grant was given, without proper sanction of the University Grants Commission and should, at any time the College ceased to function, such assets shall revert to the University Grants Commission.
- The University/College/Institute shall maintain a Register of Assets acquired wholly or substantially out of the Grants in the prescribed form.
- The grantee institution shall ensure the Utilization of grants-in -aid for which it is being sanction/paid. In case of non-Utilization/part utilization, or mis-utilization of grants sanctioned by the Commission for the purpose for which these were approved and in accordance with the terms and conditions of the approval or does not furnish the required documents or is disaffiliated from the University the entire amount paid by the Commission shall be refunded by the College @ 10% per annum as amended from time to



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Rev. Dr. S. Ignacimuthu S.J.**, Director, Entomology Research Institute, Loyola College at a cost of **Rs.39,45,800** (Thirty nine lakhs forty five thousand and eight hundred only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	Entomology Research Institute				
PROJECT CODE	7LCTOH4ERI001				
TITLE OF THE PROJECT	Identification Of Quantitative Trait Loci (QTL) Associated with Zinc Efficiency In Finger Millet				
NAME OF THE PI	REV. DR. S. IGNACIMUTHU S.J.				
NAME OF THE CO-PI	DR. P. GABRIEL PAULRAJ				
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	REALTIME QPCR	1450000	1450000	0	0
	BIO RAD SDS PAGE	300000	300000	0	0
TOTAL (A)		1750000	1750000	0	0
B. RECURRING					
RESEARCH PERSONNEL	SRF1 @ 18,000/-p.m.	648000	216000	216000	216000
	SRF2 @ 18,000/-p.m.	648000	216000	216000	216000
CONTINGENCY		100000	25000	25000	50000
FIELD WORK/TRAVEL		100000	50000	25000	25000
HIRING SERVICES		0	0	0	0
CONSUMABLES		600000	200000	200000	200000
OVERHEAD		99800	34100	32850	32850
TOTAL (B)		2195800	741100	714850	739850
GRAND TOTAL (A+B)		3945800	2491100	714850	739850

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



Received Ignacimuthu

Anthony 25/11/14
REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

PP



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. K. Sivasankaran**, Scientist, Entomology Research Institute, Loyola College at a cost of **Rs. 30,09,088** (Thirty lakhs nine thousand and eighty eight only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	Entomology Research Institute				
PROJECT CODE	7LCTOII4ERI003.				
TITLE OF THE PROJECT	Phylogenetic Analysis Of Economically Important Insects Of Superfamily Noctuoidea (Insect: Lepidoptera) Using DNA Barcoding (Mitochondrial And Nuclear Genes)				
NAME OF THE PI	DR. K. SIVASANKARAN				
NAME OF THE CO-PI	REV. DR. S. IGNACIMUTHU S.J.				
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	NANOVOLUME SPECTROPHOTOMETER	656888	656888	0	0
	GPS	20000	20000	0	0
	TISSUE LYSER	200000	200000	0	0
	MULTICHANNEL PIPETTE	30000	30000	0	0
	LIGHT TRAP INSECT COLLECTION	11400	11400	0	0
TOTAL (A)		918288	918288	0	0
B. RECURRING					
RESEARCH PERSONNEL	SRF1 @ 18,000/-p.m.	648000	216000	216000	216000
	SRF2 @ 18,000/-p.m.	648000	216000	216000	216000
CONTINGENCY		150000	50000	50000	50000
FIELD WORK/TRAVEL		100000	50000	25000	25000
HIRING SERVICES		0	0	0	0
CONSUMABLES		450000	200000	150000	100000
OVERHEAD		94800	34100	31600	29100
TOTAL (B)		2090800	766100	688600	636100
GRAND TOTAL (A+B)		3009088	1684388	688600	636100

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



REV. DR. G. JOSEPH ANTONY SAMY S.J.
PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

Received by *S. Santanu*

Ignacimuthu

SP



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. P. Pandikumar**, Scientist, Entomology Research Institute, Loyola College at a cost of **Rs. 30,48,300** (Thirty lakhs forty eight thousand and three hundred only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	Entomology Research Institute
PROJECT CODE	7LCTOIERI004
TITLE OF THE PROJECT	Quantitative Ethnomedical Studies On The Medicinal Foods Used In Tiruvallur District For Obesity And Development of Anti -Obese Nutraceuticals
NAME OF THE PI	DR. P. PANDIKUMAR
NAME OF THE CO-PI	REV. DR. S. IGNACIMUTHU S.J./ DR. K. BALAKRISHNA
PROJECT DURATION	3 yrs

FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	MPLC	750000	750000	0	0
	HANDY CAM	50000	50000	0	0
TOTAL (A)		800000	800000	0	0
B. RECURRING					
RESEARCH PERSONNEL	SRF1 @ 18,000/-p.m.	648000	216000	216000	216000
	SRF2 @ 18,000/-p.m.	648000	216000	216000	216000
CONTINGENCY		150000	50000	50000	50000
FIELD WORK/TRAVEL		100000	50000	25000	25000
HIRING SERVICES		0	0	0	0
CONSUMABLES		600000	200000	200000	200000
OVERHEAD		102300	34100	34100	34100
TOTAL (B)		2248300	766100	741100	741100
GRAND TOTAL (A+B)		3048300	1566100	741100	741100

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



*Received
Pandikumar
Ignacimuthu*

Rev. Dr. G. Joseph Antony Samy S.J.
REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL
Principal
LOYOLA COLLEGE
CHENNAI - 600 034





**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. P. Gabriel Paulraj**, Scientist, Entomology Research Insitute, Loyola College at a cost of **Rs.32,29,800** (Thirty two lakhs twenty nine thousand and eight hundred only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	Entomology Research Institute				
PROJECT CODE	7LCTOI14ER1002				
TITLE OF THE PROJECT	Developing Chitosan -Based Nano Botanical Pesticide To Control Insect Pests And Promote Plant Growth				
NAME OF THE PI	DR. P. GABRIEL PAULRAJ				
NAME OF THE CO-PI	REV. DR. S. IGNACIMUTHU S.J.				
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	LEAF AREA METER	612000	612000	0	0
	FT-SPECTROSCOPE	800000	800000	0	0
TOTAL (A)		1412000	1412000	0	0
B. RECURRING					
RESEARCH PERSONNEL	SRF1 @ 18,000/-p.m.	648000	216000	216000	216000
	TECHNICAL ASSISTANT @ 8,000/-p.m.	288000	96000	96000	96000
CONTINGENCY		150000	50000	50000	50000
FIELD WORK/TRAVEL		100000	50000	25000	25000
HIRING SERVICES		0	0	0	0
CONSUMABLES		550000	200000	200000	150000
OVERHEAD		81800	28100	28100	25600
TOTAL (B)		1817800	640100	615100	562600
GRAND TOTAL (A+B)		3229800	2052100	615100	562600

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



Received Ignacimuthu

Antony 25/11/14
REV. DR. G. JOSEPH ANTONY SAMY S.J.
PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034



Received M. Cecil Paul



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

No.DST/Disha/SoRF-PM/020/2015(G)
Government of India
Ministry of Science & Technology
Department of Science & Technology

623

Technology Bhavan
New Mehrauli Road
New Delhi-110 016
Dated 08.03.2016

ORDER

Sub: Financial approval of the project under Women Scientist Scheme-B (WOS-B) entitled "Analysis on health hazards of agricultural laborers due to pollution by using fuzzy logic".

PI: Ms Marynirmala J, Department of Mathematics, Loyola College, Chennai-600034, Tamil Nadu.

Sanction of the President is hereby accorded to the above mentioned project at a total cost of ₹11,00,845/- (Rupees Eleven Lac Eight hundred Forty Five only) with a break up of ₹ 71,845/- under 'Capital head' and ₹ 10,29,000/- under 'General head' for a duration of Two years. The items of expenditure for which the total allocation of ₹ 11,00,845/- has been approved for Two years are given below:

Sl. No.	Heads	1 st Year	2 nd Year	Total
A.	Non-Recurring (Capital Items)			
	Equipment: Desktop-1, Printer-1	71,845/-	-----	71,845/-
B.	Recurring(General)			
	Fellowship for M.Sc @ ₹ 30,000/M	3,60,000/-	3,60,000/-	7,20,000/-
	Consumables	60,000/-	50,000/-	1,10,000/-
	Contingencies	25,000/-	25,000/-	50,000/-
	Travel	30,000/-	30,000/-	60,000/-
C.	Overhead	45,000/-	44,000/-	89,000/-
D.	Total of Recurring Grant (B+C)	5,20,000/-	5,09,000/-	10,29,000/-
E.	GRAND TOTAL (A+D)	5,91,845/-	5,09,000/-	11,00,845/-

2. Overhead expenses are meant for the host institute towards the cost for providing infrastructure Facilities and benefits to the staff engaged in the project, etc.

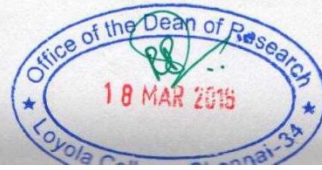
3. Sanction of the grant is subject to the conditions as detailed in website online-wosa.gov.in.

4. The sanction of the President is also accorded to the payment of ₹ 71,845/- (Rupees Seventy One Thousand Eight Hundred Forty Five only) under 'Grants for Creation of Capital Assets' and ₹ 5,20,000/- (Rupees Five Lac Twenty Thousand only) under 'Grant-in-aid General' to the **Principal, Loyola College, Chennai-600034, Tamil Nadu** being the first installment of the grant for the year 2015-2016 for implementation of the said research project.

5. The expenditure involved is debitale to:
- Demand No.86 Department of Science & Technology
 - 3425 Other Scientific Research (Major Head)
 - 60 Others (Sub-Major Head)
 - 60.200 Assistance to other Scientific Bodies (Minor Head)
 - 55 Disha Programme for Women in Science
 - 55.01 Disha Programme for Women in Science
 - 55.01.31 Grants-in-aid General for the year 2015-2016 (Plan Expenditure-General)

This release is being made under the Disha Programme for Women in Science.

Dean of Research
18/3/16



Contd...p/- 2



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. D. Antony Xavier**, Department of Mathematics, Loyola College at a cost of **Rs. 7,91,300** (Seven lakhs ninety one thousand and three hundred only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	MATHEMATICS				
PROJECT CODE	5LCTOI14MAT001				
TITLE OF THE PROJECT	Fuzzy Cellular Automata Modeling Of Urban Growth Dynamics For Chennai Metropolitan Area				
NAME OF THE PI	DR. D. ANTONY XAVIER				
NAME OF THE CO-PI					
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	LAPTOP	42000	42000	0	0
TOTAL (A)		42000	42000	0	0
B. RECURRING					
RESEARCH PERSONNEL	JRF1 @ 16,000/-p.m.	576000	192000	192000	192000
CONTINGENCY		90000	30000	30000	30000
FIELD WORK/TRAVEL		50000	20000	20000	10000
HIRING SERVICES		0	0	0	0
CONSUMABLES		0	0	0	0
OVERHEAD		33300	11100	11100	11100
TOTAL (B)		749300	253100	253100	243100
GRAND TOTAL (A+B)		791300	295100	253100	243100

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



*Received
Antony Xavier*

REV. DR. G. JOSEPH ANTONY SAMY S.J.
PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034





**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

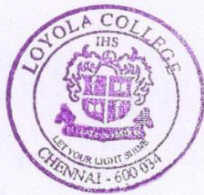
MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. M. Arockiaraj**, Department of Mathematics, Loyola College at a cost of **Rs. 12,01,300** (Twelve lakhs one thousand and three hundred only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	MATHEMATICS				
PROJECT CODE	5LCTO114MAT002				
TITLE OF THE PROJECT	A Study On Graph Layout Problems In Networks				
NAME OF THE PI	DR. M. AROCKIARAJ				
NAME OF THE CO-PI					
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	DELL LAPTOP	119700	119700	0	0
	DELL PRINTER	20100	20100	0	0
	MATLAB SOFTWARE	18600	18600	0	0
	SCIENTIFIC WORD 5.5	41600	41600	0	0
TOTAL (A)		200000	200000	0	0
B. RECURRING					
RESEARCH PERSONNEL	JRF1 @ 16,000/-p.m.	576000	192000	192000	192000
CONTINGENCY		150000	50000	50000	50000
FIELD WORK/TRAVEL		50000	20000	20000	10000
HIRING SERVICES		0	0	0	0
CONSUMABLES		180000	100000	40000	40000
OVERHEAD		45300	17100	14100	14100
TOTAL (B)		1001300	379100	316100	306100
GRAND TOTAL (A+B)		1201300	579100	316100	306100

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory

DATE: 25.11.14



REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

Principal

LOYOLA COLLEGE
CHENNAI - 600 034

*Received by
M. Arockiaraj
26/11/14*

Antony 25/11/14



271

No.SB/S2/LOP-029/2013
Science and Engineering Research Board
(SERB)

5 & 5A, Lower Ground Floor,
Vasant Square Mall, Plot No. A,
Community Centre, Sector-5, Pocket-5
Vasant Kunj, New Delhi-110070

Date: 29/08/2015

ORDER

Sub: Research project entitled, "Development of highly efficient nonlinear optical and environmentally stable organic crystals of DSCHS, DAAS and DASC for terahertz applications.", under the guidance of Dr. P Sagayaraj, Department of Physics, Loyola College, Nungambakkam, Chennai-600034.

In continuation to SERB's sanction order No. "SB/S2/LOP-029/2013" dated 22.08.2014 sanction of the Science & Engineering Research Board (SERB) is here by accorded to the payment of a sum of Rs. 8,00,000/- (Rupees eight lakh only) as the grant for the financial year (FY) 2015-2016 for implementation of the above said project.

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
3. It is certified that provisions of GFR 212 relating to Utilization Certificates (UCs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.
4. The expenditure involved is debitible to "Fund for Science & Engineering Research (FSER) – Recurring Head". This release is made under "PAC on LOAMP".
5. The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/1675/2015-16 dated 25.06.2015.
6. The amount of Rs. 8,00,000/- (Rupees eight lakh only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below;

Account Holder	The Principal, Loyola College, Chennai
Account Number	171201000008626
Bank Name & Branch	Indian Overseas Bank, Loyola College Branch
IFSC/RTGS Code	IOBA0001712

7. The Institute will maintain separate audited accounts for the Project. It is found expedient to keep a part or whole of the grant in a bank account earning interest. The interest earned should be reported to the SERB. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant.

8. As per rule 211 of GFR the accounts of Grantee Institution shall be open to inspection by the sanctioning authority / audit whenever the institute is called upon to do so.

Dean of Research
A.F. - 6/8/15





(249)



UGC-DAE Consortium for Scientific Research
(Formerly: Inter University Consortium for DAE Facilities: IUC-DAE (An Autonomous institution under University Grants Commission, New Delhi) (A Society Registered Under M.P. Society Registraran Adhinyam, 1973) Registered Office and Head Office : UGC-DAE Consortium, University Campus, Khandwa Road, Indore-452 001. Phone 0731-2463913/2762267/2463913 Fax: 0731-2462294/2465437

No. CSR/Accts/2015-16/ 652

23 September 2015

To,
Principal,
Loyola College,
Sterling Road, Near Nungambakkam Railway Station,
Nungambakkam,
Chennai, Tamil Nadu 600034
India

Sub: Collaborative research entitled "Development of Applications" sanctioned to Dr. P. Sagayaraj, Associate Professor, Dept. of Physics, Loyola College, Chennai - 600 034 (Tamil Nadu)

Ref: Our letter No. CSR-KN/CRS-52/2146 dated 31 March 2015.

Dear Sir,

An amount of **Rs. 2,63,400/-** has been deposited on 22.09.2015 in your Account No. **171201000008626** in Indian Overseas Bank, Loyola College Branch, Chennai towards grants sanctioned for CRS project mentioned above. UTR No. for above transaction is **SBINR52015092220225065**. Detail of sanction is as follows:

S.No.	Particulars	Amount (Rs.)
1.	Research Student (14000*12) + 30% HRA	2,18,400.00
2.	Contingencies	15,000.00
3.	Consumables	30,000.00
	Total	2,63,400.00

The next instalment of money, if any sanctioned, will be released only on production of a statement of account and a utilization certificate from your institution.

The conditions for the award of the grant in aid have been set out in our earlier letter cited above.

Please acknowledge receipt of this letter and send us a stamped receipt by return of post.

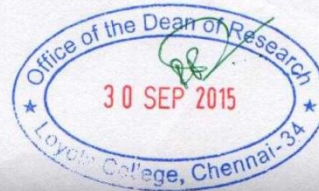
Yours sincerely,

[Signature]
Administrative Officer (Accounts)

Copy to : 1. Dr. P. Sagayaraj, Associate Professor, Dept. of Physics, Loyola College, Sterling Road, Near Nungambakkam Railway Station, Nungambakkam, Chennai - 600 034 (Tamil Nadu) India

2. Centre-Director, UGC-DAE CSR, Indore.

Dean of Research / [Signature]
35/9/15





**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. P. Sagayaraj**, Department of Physics, Loyola College at a cost of **Rs. 45,81,300** (Forty five lakhs eighty one thousand and three hundred only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	PHYSICS				
PROJECT CODE	3LCTOI14PHY001				
TITLE OF THE PROJECT	Investigation On Novel IONs/CNTs 1D Hybrid Anode Material For Achieving Superior Performance Li-ion Batteries				
NAME OF THE PI	DR. P. SAGAYARAJ				
NAME OF THE CO-PI	DR. JOE G.M. JESUDURAI				
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	GLOVE BOX	1278000	1278000	0	0
	ELECTROCHEMICAL WORKSTATION	1021600	1021600	0	0
	VACUUM OVEN	184400	184400	0	0
	ULTRASONIC CLEANER	70750	70750	0	0
	COIN CELL CRIMPER	506500	506500	0	0
	MAGNETIC STIRRER WITH HOT PLATE	12700	12700	0	0
	DIGITAL PH METER	32950	32950	0	0
	AUTOCLAVE TEFLON LINED (1 No.)	9000	9000	0	0
TOTAL (A)		3115900	3115900	0	0
B. RECURRING					
RESEARCH PERSONNEL	SRF1 @ 18,000/-p.m.	648000	216000	216000	216000
CONTINGENCY		100000	25000	25000	50000
FIELD WORK/TRAVEL		50000	20000	20000	10000
HIRING SERVICES		0	0	0	0
CONSUMABLES		600000	200000	200000	200000
OVERHEAD		67400	22050	22050	23300
TOTAL (B)		1465400	483050	483050	499300
GRAND TOTAL (A+B)		4581300	3598950	483050	499300

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14

REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL



*Received.
P. Sagayaraj
Dr. P. Sagayaraj*

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

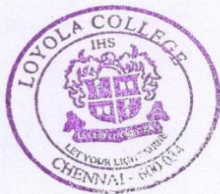
MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. S. Jerome Das**, Department of Physics, Loyola College at a cost of **Rs. 32,02,300** (Thirty two lakhs two thousand and three hundred only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	PHYSICS				
PROJECT CODE	3LCTOI14PHY002				
TITLE OF THE PROJECT	Synthesis, Growth And Characterization Of Thiosemicarbazide (TSC) Family Of Crystals For Photonic Device Applications				
NAME OF THE PI	DR. S. JEROME DAS				
NAME OF THE CO-PI	DR. J. MARY LINET				
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	VICKER'S MICRO HARDNESS TESTER	1760000	1760000	0	0
TOTAL (A)		1760000	1760000	0	0
B. RECURRING					
RESEARCH PERSONNEL	JRF1 @ 16,000/-p.m.	576000	192000	192000	192000
CONTINGENCY		150000	50000	50000	50000
FIELD WORK/TRAVEL		50000	20000	20000	10000
HIRING SERVICES		0	0	0	0
CONSUMABLES		600000	200000	200000	200000
OVERHEAD		66300	22100	22100	22100
TOTAL (B)		1442300	484100	484100	474100
GRAND TOTAL (A+B)		3202300	2244100	484100	474100

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory

DATE: 25.11.14



Received
S. Jerome Das
26/11/2014

Received
Mary Linet, J
26/11/14

REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

Antony 25/11/14



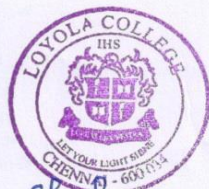
MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. J. Madhavan**, LIFE, Loyola College at a cost of **Rs.43,61,086** (Forty three lakhs sixty one thousand and eighty six only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	LOYOLA INSTITUTE OF FRONTIER ENERGY				
PROJECT CODE	6LCTOI14LIF002				
TITLE OF THE PROJECT	Plasmonic Enhancement Of Dye – Sensitized Solar Cells With Metal – Oxide Encapsulated Nanoparticles				
NAME OF THE PI	DR. J. MADHAVAN				
NAME OF THE CO-PI	DR. J. MERLIN SHYLA				
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (RS.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	SUNLILE CLASS A SOLAR SIMULATOR	1908636	1908636	0	0
	DOUBLE BEAM UV-VIS SPECTROPHOTOMETER	539750	539750	0	0
TOTAL (A)		2448386	2448386	0	0
B. RECURRING					
RESEARCH PERSONNEL	SRF1 @ 18,000/-p.m.	648000	216000	216000	216000
	JRF1 @ 16,000/-p.m.	576000	192000	192000	192000
CONTINGENCY		100000	25000	25000	50000
FIELD WORK/TRAVEL		50000	20000	20000	10000
HIRING SERVICES		0	0	0	0
CONSUMABLES		450000	200000	150000	100000
OVERHEAD		88700	31650	29150	27900
TOTAL (B)		1912700	684650	632150	595900
GRAND TOTAL (A+B)		4361086	3133036	632150	595900

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



Received

J. Merlin Shyla

26/11/14

26/11/14

REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

Principal

LOYOLA COLLEGE

CHENNAI - 600 034

RP

Antony 25/11/14



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**



UNIVERSITY GRANT COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002
GEN

FD Diary No. 7017

Dated : 20/08/2015

F .No. 39-266/2010 (SR)

13 SEP 2015
Dated: August 2015

The Under Secretary (FD-III)
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi – 110002

Sub: Release of Grant-in aid to, **Loyola College Nagambakkam, Chennai- 600034** for the year 2015-16 under plan in respect of Major Research Project entitled "**Studies compounds.**" awarded to **Dr. P. Agastian, Deptt. of Plant Biology and Biotechnology**, tenure of project from 01.02.2011 to 31.01.2014.

Sir

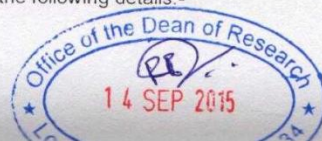
I am directed to convey the sanction of the University Grants Commission for payment of grant of Rs. 6,90,986/- (Rupees six lakh ninety thousand nine hundred eighty six only) as Final installment for the year 2015-16 towards Major Research Project to **The Principal, Loyola College Nagambakkam, Chennai- 600034** for the plan expenditure to be incurred during 2015-16.

Name of the Item	Amount Allocated	Head of Account	Grant now Being Sanctioned	Grant already Released	Total Grant
Books & Journal	.....	3.A(49)(a).35	.....	.....	.....
Equipment	.....		.....	.....	.....
Honorarium	.....	3.A(49)(a).31	.....	.....	.....
Project fellow	5,28,000/-		3,84,000/-	1,44,000/-	5,28,000/-
HRA	62,400/-		62,400/-	.....	62,400/-
Contingency	1,00,000/-		49,671/-	50,000/-	99,671/-
Chemical	2,00,000/-		1,00,000/-	1,00,000/-	2,00,000/-
Printing Services	1,00,000/-		49,905/-	50,000/-	99,905/-
Travel/field work	1,00,000/-		45,010/-	50,000/-	95,010/-
Overhead Charges	68,800/-		.....	68,800/-	68,800/-
Bank Interest	.....		.....	.....	.....
Total	11,59,200/-			6,90,986/-	4,62,800/-

1. The sanctioned amount is debit able to **Major Research Project head Sector 3.A(49)(a).31** and is valid for payment during the financial year 2015-16 only.

2. The amount of the Grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer) UGC on the Grants-in-aid bill and shall be disbursed to and credited to **The Principal, Loyola College Nagambakkam, Chennai- 600034** through Electronic mode as per the following details:-

Dean of Research





**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**



UNIVERSITY GRANT COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002
GEN

FD Diary No. 3275
Dated : 31/08/2015

2

F.No. 39-259/2010 (SR)

The Under Secretary (FD-III)
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi - 110002

Dated: 19 SEP 2015

Sub: Release of Grant-in aid to, **Loyola College Nugambakkam, Chennai- 600034** for the year 2015-16 under plan in respect of Major Research Project entitled "In..... plant." awarded to **Dr. R. Ravindhran, Deptt. of Plant Biology and Biotechnology**, tenure of project from 01.02.2011 to 31.01.2014.

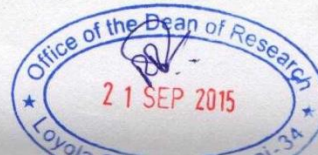
Sir,

I am directed to convey the sanction of the University Grants Commission for payment of grant of **Rs. 4,78,400/- (Rupees four lakh seventy eight thousand four hundred only)** as **Final installment** for the year 2015-16 towards Major Research Project to **The Principal, Loyola College Nugambakkam, Chennai- 600034** for the plan expenditure to be incurred during 2015-16.

Name of the Item	Amount Allocated	Head of Account	Grant now Being Sanctioned	Grant already Released	Total Grant
Books & Journal	10,000/-	3.A(49)(a).35	.....	10,000/-	10,000/-
Equipment	1,75,000/-		.....	1,75,000/-	1,75,000/-
Honorarium	.....	3.A(49)(a).31	.....	.....	.....
Project fellow	5,12,000/-		3,68,000/-	1,44,000/-	5,12,000/-
HRA	60,400/-		60,400/-	.....	60,400/-
Contingency	40,000/-		20,000/-	20,000/-	40,000/-
Chemical +(Additional grant)	40,000/- 60,000/-		20,000/-	20,000/-	40,000/-
Hiring Services	.....		.....	.....	.....
Travel/field work	20,000/-		10,000/-	10,000/-	20,000/-
Overhead Charges	36,800/-		.....	36,800/-	36,800/-
Bank Interest	.....		.....	.....	.....
Total	9,54,200/-			4,78,400/-	4,15,800/-	8,94,200/-

1. The sanctioned amount is debit able to Major Research Project head Sector 3.A(49)(a).31 and is valid for payment during the financial year 2015-16 only.

RB
Dean of Research / Bmsr
16/9/15





60034

PABX: 26588980, 26589794, 26588895,
26588707, 265899334, 26589335

GRAM: SCIENTIFIC
Web-site: www.icmr.nic.in
E-mail: icmrhqds@sansad.nic.in



**भारतीय-आयुर्विज्ञान अनुसंधान परिषद
INDIAN COUNCIL OF MEDICAL RESEARCH**

सी. रामलिंगस्वामी भवन, अन्तारी नगर, पोस्ट बॉक्स 4911, नई दिल्ली - 110 029

V. RAMALINGASWAMI BHAWAN, ANSARI NAGAR, POST BOX 4911, NEW DELHI - 110 029

No. 59/37/2011/BMS/TRM

Dated: 26.02.2016

Sub: Payment of 3rd installment of 1st year grant-in-aid for the project entitled "*Isolation and characterization of antimicrobial compounds from Medicinal Plants Used by Tribes*" under Dr. G. Jeya Jothi, Assistant Professor, Dept. of Plant Biology, Loyola College, Sterling Road, Nungambakam, Chennai-600034.

MEMORANDUM

The Director General of the Council sanctions grant of Rs 3,99,197/- (Rupees Three lakhs ninety nine thousand one hundred ninety seven only) as the 3rd installment of 1st year grant for incurring expenditure in connection with the above mentioned project.

The amount of Rs. 3,99,197/- may be debited under the provision made of on the above mentioned research project for the year 2015-16

A formal bill for Rs. 3,99,197/- is sent herewith for payment release by cheque/demand draft for Rs. 3,99,197/- in favour of the Principal, Loyola College, Sterling Road, Nungambakam, Chennai-600034.

This issued with the concurrence of the Finance Divn., BMS/Adhoc/92/2014-15 dated 12.3.2015

Equipment Rs 3,99,197/-

(G S Sandhu)
Administrative Officer
For Director General

Copy to: the Principal, Loyola College, Sterling Road, Nungambakam, Chennai-600034. The grant has been sanctioned on the conditions laid down in out letter referred to above.

2. Dr. G. Jeya Jothi, Assistant Professor, Dept. of Plant Biology, Loyola College, Sterling Road, Nungambakam, Chennai-600034.
3. Accounts V ICMR
4. IRIS Cell No 2011-08750
5. Central File

*Dean of Research
Dr. G. Jeya Jothi
Dept of Plant Bio*

Admin (6/3/16)

Office of the Dean of Research
11 MAR 2015
(G.S.Sandhu)
Administrative Officer
For Director General
Loyola College, Chennai-600034



FAX: 26588980, 26589794, 26588895,
26588707, 265899334, 26589335

GRAM: SCIENTIFIC
Web-site: www.icmr.nic.in
E-mail: icmrhqds@icmr.nic.in



भारतीय आयुर्विज्ञान अनुसंधान परिषद
INDIAN COUNCIL OF MEDICAL RESEARCH

वी. रामलिंगस्वामी भवन, अन्सारी नगर, पोस्ट बॉक्स 4911, नई दिल्ली - 110 029
V. RAMALINGASWAMI BHAWAN, ANSARI NAGAR, POST-BOX 4911, NEW DELHI - 110 029

No. 59/37/2011/BMS/TRM

Dated: 16.03.2016

Sub:- Payment of 4th installment of 1st year grant-in-aid for the project entitled "Isolation and characterization of antimicrobial compounds from Medicinal Plants Used by Tribes under Dr. G. Jeya Jothi, Assistant Professor, Dept. of Plant Biology, Loyola College, Sterling Road, Nungambakam, Chennai-600034.

MEMORANDUM

The Director General of the Council sanctions grant of Rs 2,27,257/- (Rupees Two lakhs twenty seven thousand two hundred fifty seven only) as the 4th installment of 1st year grant for incurring expenditure in connection with the above mentioned project.

The amount of Rs. 2,27,257/- may be debited under the provision made of on the above mentioned research project for the year 2015-16

A formal bill for Rs. 2,27,257/- is sent herewith for payment release by cheque/demand draft for Rs. 2,27,257/- in favour of the Principal, Loyola College, Sterling Road, Nungambakam, Chennai-600034.

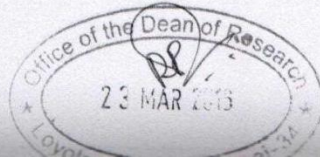
This issued with the concurrence of the Finance Divn., BMS/Adhoc/92/2014-15 dated 12.3.2015

Salary of Research Asstt (from 4.7.2015 to 29.2.2016) Rs.2,27,257/-

(G.S.Sandhu)
Administrative Officer
For Director General

Copy to: the Principal, Loyola College, Sterling Road, Nungambakam, Chennai-600034. The grant has been sanctioned on the conditions laid down in out letter referred to above.

2. Dr. G. Jeya Jothi, Assistant Professor, Dept. of Plant Biology, Loyola College, Sterling Road, Nungambakam, Chennai-600034
3. Accounts V ICMR
4. IRIS Cell No. 2011-08750
5. Central File



(G.S.Sandhu)
Administrative Officer
For Director General

Dean of Research
Dr. G. Jeya Jothi
Bursar
22/3/16



Ministry of Science & Technology
Department of Biotechnology
Government of India

2-8-13

Block 2, 8th Floor
CGO Complex, Lodhi Road
New Delhi 110 003
Dated: 18th July, 2013

[Handwritten signature]
ORDER

Sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Power Rules, 1978 for the implementation of the Joint Research Project under DBT-CDTI, Spain joint call for proposal entitled "Development of a novel process technology for the Commercial production of sugar-free fruit juices and study of the end product functional effect on lipid accumulation FUNFRUT" with Indian investigators Dr. P. Agastian, Assistant Professor, Department of Plant Biology and Biotechnology, Loyola College (Autonomous), Chennai-600 034, Tamil Nadu and Dr. V. Mohan, Madras Diabetes Research Foundation, Chennai, Tamil Nadu for a period of 3 years at a total cost of Rs. 55.282 lakhs (Rupees Fifty five lakhs twenty eight thousand and two hundred only) for the Indian component of the project on the terms and conditions as detailed here under:

2.0 The Project :

2.1 Project Title : "Development of a novel process technology for the Commercial production of sugar-free fruit juices and study of the end product functional effect on lipid accumulation FUNFRUT".

2.2 Investigators :

P. I. (Indian side) : Dr. P. Agastian, Assistant Professor, Department of Plant Biology and Biotechnology, Loyola College (Autonomous), Chennai-600 034, Tamil Nadu.

Consultant : Dr. V. Mohan, Madras Diabetes Research Foundation, Chennai, Tamil Nadu.

Co-PI : Mr. S. Vivek, Managing Director, TVN Health Products, No. 58 (14), Gandhi Road, Salem-636 007.

Project Coordinator : Violeta Beltran Serrano, Director of Legal, Patent and Public Projects Department, Calle Catedratico Agustin Escardine, Benllocj, 9. The University of Valencia Science Park, Paterna-46980, Spain.

2.3 Project Objectives:

- **Objectives to be executive by Loyola College, Chennai:**
 - i. Identify the key metabolic(s) target(s) of the developed sugar-free fruit juices.
 - ii. Measuring the effect of the mentioned juices on lipid reduction in the wild-type strain.
 - iii. Designing immobilized yeast cells, which could effectively deplete the sugar (glucose, fructose and sucrose) in fruit juices without producing alcohol.
 - iv. Develop the process technologies for commercial and house-hold purposes.
 - v. Develop a computer application, which would guide the user to set-up the process conditions for production of sugar-free fruit juices based on the characteristics of the fruit juices given as input.
 - **Objectives to be executive by MDRF, Chennai:**
 - i. Preclinical trials of sugar free fruit juices on animal models.
 - ii. Preclinical trials of sugar free fruit juices on humans.
 - **Objectives to be executive by TVN Health Products company:**
 - i. Pilot scale design and optimization (BPL, TVN)
 - ii. Industrial scale design and optimization (BPL, TVN)
 - iii. Optimization of the process conditions with other fruits (BPL, I.C, TVN)
- 2.4 Time Schedule :** The duration of the project is Three years from the date of this sanction order.

Team of research

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2/8

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Contd. 2/-



2.5 Equipment's : The details of the equipment sanctioned for the implementation of the project is given at Annexure I.

2.6 Manpower : The details of the manpower sanctioned for the implementation of the project is given at Annexure II.

2.7 Project Cost, The estimated cost for the Indian component of the project for Three years is as under:

A. Non-Recurring

Loyola College, Chennai

(Rs. in lakhs)

S. No.	Item	Year I	Year II	Year III	Total
1.	Equipment's	10.00	--	--	10.00
TOTAL		10.00	--	--	10.00

MDRF, Chennai

(Rs. in lakhs)

S. No.	Item	Year I	Year II	Year III	Total
1.	Equipment's	--	--	--	--
TOTAL		--	--	--	--

Total amount of Non-recurring head (A) = Rs. 10.00 lakhs

B. Recurring

Loyola College, Chennai

(Rs. in lakhs)

S. No.	Item	Year I	Year II	Year III	Total
Recurring					
1.	Consumables	4.00	4.00	4.00	12.00
2.	Manpower				
	a. JRF (1)	2.808	2.808	3.120	8.736
	b. JRF (2)	2.496	2.496	2.808	7.80
	Total Manpower	5.304	5.304	5.928	16.536
3.	Travel*	0.50	1.00	1.50	3.00
	Domestic				
	International				
	Local Hospitality				
	Total Travel	0.50	1.00	1.50	3.00
4.	Contingency	1.00	1.00	1.00	3.00
GRAND TOTAL (1+2+3+4)		10.804	11.304	12.428	34.536

Total amount of recurring head = Rs. 34.536 lakhs

MDRF, Chennai

(Rs. in lakhs)

S. No.	Item	Year I	Year II	Year III	Total
Recurring					
1.	Consumables	--	4.00	4.00	8.00
2.	Manpower (JRF (1) @ Rs. 16,000/- + 30% HRA)	--	2.496	--	2.496
	Total Manpower	--	2.496	--	2.496
3.	Travel	--	--	--	--
4.	Contingency	--	0.125	0.125	0.25
GRAND TOTAL (1+2+3+4)		--	6.621	4.125	10.746

Total amount of recurring head = Rs. 10.746 lakhs

Total recurring head grant (B) = Rs. 34.536 lakhs + Rs. 10.746 lakhs = Rs. 45.282 lakhs

Total Amount of A and B = Rs. 10.00 lakhs + Rs. 45.282 lakhs = Rs. 55.282 lakhs

*Travel budget would include:

1. The international travel cost of one visit of the PI and the fellow in the project to Spanish partner.
2. The local hospitality towards the two visits from the Spanish side to the Indian laboratory.

Contd. 3/-

Shobha

55.282
Loyola MDRF 10.746



**LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 600 034.**

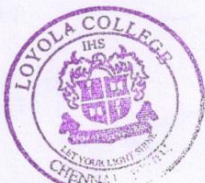
MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. P. Agastian**, Department of Plant Biology and Biotechnology, Loyola College at a cost of **Rs. 31,64,600** (Thirty one lakhs sixty four thousand and six hundred only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	PLANT BIOLOGY & BIOTECHNOLOGY				
PROJECT CODE	4LCTOI14PBB002				
TITLE OF THE PROJECT	Production Of Novel Bioactive Compounds From The Endophytes Of Endangered Medicinal Plants Through Biotechnological Approaches				
NAME OF THE PI	DR. P. AGASTIAN				
NAME OF THE CO-PI					
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	NANODROP	700000	700000	0	0
TOTAL (A)		700000	700000	0	0
B. RECURRING .					
RESEARCH PERSONNEL	JRF1 @ 16,000/-p.m.	576000	192000	192000	192000
	JRF2 @ 16,000/-p.m.	576000	192000	192000	192000
CONTINGENCY		100000	25000	25000	50000
FIELD WORK/TRAVEL		100000	50000	25000	25000
HIRING SERVICES		500000	100000	200000	200000
CONSUMABLES		500000	200000	200000	100000
OVERHEAD		112600	35450	40450	36700
TOTAL (B)		2464600	794450	874450	795700
GRAND TOTAL (A+B)		3164600	1494450	874450	795700

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



*Recd letter
O. Ashu 26/11/2014*

REV. DR. G. JOSEPH ANTONY SAMY S.J.
PRINCIPAL

25/11/14
Principal
LOYOLA COLLEGE
CHENNAI - 600 034





MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. J. Joel Gnanadoss**, Department of Plant Biology and Biotechnology, Loyola College at a cost of **Rs. 21,26,100** (Twenty one lakhs twenty six thousand and one hundred only) for a period of three years. The items of expenditure for which the total allocation has been approved are given below

DEPARTMENT	PLANT BIOLOGY & BIOTECHNOLOGY				
PROJECT CODE	4LCTOI14PBB003				
TITLE OF THE PROJECT	Characterization Of Novel Actinomycetes From Mangrove Soil And Sediments And Development Of Low-Cost Technology For Production Of Proteases For Industrial Applications				
NAME OF THE PI	DR. J. JOEL GNANADOSS				
NAME OF THE CO-PI					
PROJECT DURATION	3 yrs				
FINANCIAL ALLOCATION			INSTALLMENTS (Rs.)		
HEADS	ITEMS	GRANT APPROVED (Rs.)	I	II	III
A. NON RECURRING					
EQUIPMENTS	ORBITAL SHAKER	77000	77000	0	0
	PH METER	30000	30000		
	REFRIGERATOR	27000	27000		
TOTAL (A)		134000	134000	0	0
B. RECURRING					
RESEARCH PERSONNEL	JRF1 @ 16,000/-p.m.	576000	192000	192000	192000
	JRF2 @ 16,000/-p.m.	576000	192000	192000	192000
CONTINGENCY		150000	50000	50000	50000
FIELD WORK/TRAVEL		100000	50000	25000	25000
HIRING SERVICES		150000	50000	50000	50000
CONSUMABLES		350000	150000	100000	100000
OVERHEAD		90100	31700	29200	29200
TOTAL (B)		1992100	715700	638200	638200
GRAND TOTAL (A+B)		2126100	849700	638200	638200

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 25.11.14



REV. DR. G. JOSEPH ANTONY SAMY S.J.
PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

Received

[Signature]
26/11/14