



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

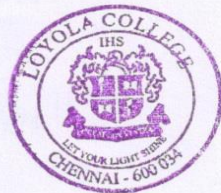
DEPARTMENT	ADVANCED ZOOLOGY & BIOTECHNOLOGY				
PROJECT CODE	1LCTOI14AZB002				
TITLE OF THE PROJECT	Determination Of Heavy Metal Concentrations In Water, Sediment And Selected Biota From Pallikaranai swamp, Tamil Nadu, India And Its Potential Risk To Human Health Via Consumption Of Fish.				
NAME OF 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. 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
[Signature]

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

PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

[Signature]

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
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. 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] 25/11/14



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

**NO. SB/FT/CS-165/2013
SCIENCE & ENGINEERING RESEARCH BOARD**

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

Dated: 20-10-2016

ORDER

Subject: Research project titled "Computational design of better catalyst for hydrogen generation and storage from formic acid decomposition" under the guidance of Dr. M. Jacob, DST Inspire Faculty, Department of Chemistry, Loyola College, Chennai- 600034 (Tamil Nadu) - Release of grant.

In continuation of DST/SERB's Sanction Order even No. dated **24-08-2015**, Sanction of the **Science & Engineering Research Board (SERB)** is here by accorded to the payment of a sum of **Rs. 470000/- (Rupees four lakh seventy thousand only)** under recurring as the grant for the year 2016-17 for the above mentioned project.

- Sanction of the competent authority is also accorded to the carry forward of unspent balance of **Rs. 137011/-** from the **FY 2015-16 to CFY 2016-17**.
- Sanction of the grant is subject to the condition as detailed in Terms & Conditions available at website (www.serb.gov.in).
- It is certified that provision of 212 relating to the UCs for the funds released earlier to this project have been satisfied and the UC/s is/are enclosed.
- The expenditure involved is debitible to **Fund for Science & Engineering Research (FSER) (Recurring)**. This release is being made under **Start-Up Research Grant (Young Scientists) - CHEMICAL SCIENCES**.
- The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. **SERB/F/5220/2016-17 dated 19-10-2016**.
- The amount of **Rs. 470000/- (Rupees four lakh seventy thousand 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 Name	The Principal, LOYOLA College
Account Number	171201000008626
Bank Name & Branch Address	Indian Overseas Bank, Loyola College Branch, Chennai, Chennai
IFSC/RTGS Code	IOBA0001712
PI's Email ID	madhavanajack05@gmail.com

Contd...2/-



LOYOLA COLLEGE (AUTONOMOUS) CHENNAI - 600 034.



No SR/NM/NS-1183/2015 (G)
Government of India
Ministry of Science & Technology
Department of Science & Technology

Technology Bhavan
New Mehrauli Road
New Delhi -110 016
Dated: 16.12.2016

ORDER

Sub: Financial approval of the research project entitled "Development of lipophilic gadolinium chelates conjugated silica and titanium dioxide nanoparticles as contrast enhancing agents for magnetic resonance angiography" under the guidance of Dr. V. Alexander, Professor, Department of Chemistry, Loyola College, Nungambakkam, Chennai, Tamil Nadu-60003;-Regarding 1st installment of the grant for above mentioned project.

Sanction of the President is hereby accorded to the above mentioned project at a total cost of INR 47,52,742/- (Rupees forty-seven lakh fifty-two thousand seven hundred forty two only) with break-up of INR 22,48,867/- under "Grant-in-aid General" and INR 22,03,875/- under "Grants for creation of capital assets" budget head for a duration of 3 years. The items of expenditure for which total allocation of INR 47,52,743/- has been approved for a period of three years are given below:-

Budget Head	1 st year	2 nd year	3 rd year	Total
	Non-recurring			
Equipment				
FTIR Spectrometer with AFR	22,03,875			22,03,875
Sub-total (A)	22,03,875			22,03,875
	Recurring			
Manpower as per DSI norms				
JRF (One): Post Graduate Degree in Basic Sciences with NET qualification or Graduate Degree in Professional Course @ Rs. 25,000-25,000-28,000/- p.m. + HRA @ 30%	3,90,000	3,90,000	4,36,800	12,16,800
Consumables	2,00,000	2,00,000	2,00,000	6,00,000
National Travel	50,000	50,000	50,000	1,50,000
Contingencies	50,000	50,000	50,000	1,50,000
Sub-total (B)	6,90,000	6,90,000	7,36,800	21,16,800
(A)+(B)	28,93,875	6,90,000	7,36,800	43,20,675
Overhead Charges (C)				
(@10% of Total project cost)	2,89,387	69,000	73,680	4,32,067
Total (A+B+C)	31,83,262	7,59,000	8,10,480	47,52,742

Bursar
Dean of Research
[Signature]



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

2. Sanction of the President is also accorded for payment of a part release of 1st installment of INR 8,35,125/- (Rupees eight lakh thirty-five thousand one hundred twenty five only) under 'Grants-in-aid General' and INR 22,03,875/- (Rupees twenty-two lakh three thousand eight hundred seventy five only) under 'Grants for creation of capital assets to the "The Principal, Loyola College Nungambakkam, Chennai, Tamil Nadu-600 034" as first instalment of grant for implementation of the project.
3. The amount of INR 8,35,125/- (Rupees eight lakh thirty-five thousand one hundred twenty five only) will be drawn by Drawing and Disbursing Officer of the Department of Science & Technology and will be disbursed to the "The Principal, Loyola College Nungambakkam, Chennai, Tamil Nadu-600 034" through their bank account details given below.

Account number	171201000008626
Name of the bank and branch	Indian Overseas Bank Loyola College, Chennai-600034
RIGS IFSC Code	IOBA0001712
MICR Code	600020088

The expenditure involved is debitable to:

Demand No. 77	Department of Science & Technology
3425	Other Scientific Research (Major Head)
60	Others: (Sub-Major Head)
60290	Assistance to other Scientific Bodies (Minor Head)
36	National Mission on Nano Science & Nano Technology
360031	Grants-in-aid General for 2016-2017 (Plan Expenditure).

This release is being made under Nano Mission.

5. Since it is part of first installment of grant, no previous UC is applicable and hence no UC is pending with the Institute.
6. Overhead expenses are meant for the host institute towards the cost for providing infrastructural facilities and benefits to the staff employed in the project etc.
7. Sanction of the grant is subject to the conditions as detailed in "Guidelines for Implementing Projects" given on our website www.nano.mission.gov.in. All items of equipment should be procured in accordance with the provisions contained in GER'2005. The benefit of custom duty exemption extended to the research institutes under Govt notification No. 51/96 on imports of equipment for research purposes, may be availed.
8. The Institute/University will furnish to the DST, Utilization Certificate and audited statement of accounts pertaining to the grant immediately after the end of each financial year.
9. The Institute/University will maintain separate audited accounts for this activity and would keep the whole of the grant in a bank account earning interest. The interest earned should be reported to DST while submitting the Statement of Expenditure/Utilization Certificate. The interest thus earned should be treated as a credit to the Institute/University to be adjusted towards further installment of the grant.
10. As per rule 211 of GERs, the accounts of this grant shall be open to inspection by sanctioning authority and whenever the Institute/University is asked upon to do so.
11. The sanction order is entered in the National Science Database and the register of Grants.



PROJECT : ICMR - COCCINIA
YEAR : IIND YEAR (March, 2016 to Feb, 2017)
INSTALLMENT : 1ST

26588980, 26589794, 26588895,
26589334, 26589335

GRAM: SCIENTIFIC
Web-site www.icmr.nic.in
E-mail: icmrhqds@sansad.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.59/45/2012/ONLINE/BMS/TRM

Dated: 14.06.2016

To

The Director
Entomology Research Institute,
Loyola College, Chennai-600034.

Sub: "Identification and mechanism of action of antidiabetic principles from the leaves and fruits of *Coccinia indica* W&A., a traditional antidiabetic plant" under Dr. S. Ignacimuthu, Director, Entomology Research Institute, Loyola College, Chennai-600034.

Dear Sir,

The Director General of the Indian Council of Medical Research on allotment of Rs. 8,50,854/- (Rupees Eight lakhs fifty thousand eight hundred fifty four only) as detailed in the attached budget statement for the above mentioned project for the year i.e. from 1.3.2016 to 28.02.2017 subject to the following conditions (i) The grant will be released to the Head of the Inst. In two installments during the financial year on receipt of the demand in the prescribed form (appendix I) as indicated below:

1st Installment - Rs. 4,25,427/-
2nd Installment - Rs. 4,25,427/-

While asking for the release of the installment it may be ensured that the amount for the pay spent on the objects for which it was sanctioned shall be submitted to the Council along and allowances of the staff who are actually in position is included.

The amount of unspent balance available as on out of the funds paid during the year be intimated. This will be adjusted against the current year's grant.

A separate account for the grant received and expenditure incurred shall be maintained. The account will be subject to audit by the authorized auditors of the Institution. In case, facilities are not available for such auditing the accounts will be audited by the Council's own internal auditors. Latest by the end of December following the financial year for which the grant is paid and audit certificate from the auditors to the effect that the account have been audited and the money was actually with a list of non-expendable articles purchased out of the grant during the year. Any unspent balance would be refunded to the ICMR on termination of the scheme. Further grant will be stopped unless audited statements of accounts and utilization certificate are received within a period of the year after the end of the financial year for which grant was sanctioned.



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

PROJECT : ICMR - COCCINIA

YEAR : IST YEAR (SEPTEMBER 2015 to FEB, 2016)

INSTALLMENT : IIIRD

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

GRAM: SCIENTIFIC
Web-site: www.icmr.org.in
E-mail: icmrhqds@sansad.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. 59/45/2012/online/BMS/TRM

Dated: 18.07.2016

Sub - Payment of 3rd installment of 1st year grant-in-aid for the project entitled "Identification and mechanism of action of antidiabetic principles from the leaves and fruits of Coccinia indica W&A.. a traditional antidiabetic plant" under Dr. S. Ignacimuthu, Director, Entomology Research Institute, Loyola College, Chennai-600034

MEMORANDUM

The Director General of the Council sanctions grant of Rs 4,12,927/- (Rupees Four lakhs twelve thousand nine hundred twenty seven only) as the 3rd installment of 1st year grant for the period from 1.9.2015 to 29.02.2016 for incurring expenditure in connection with the above mentioned project.

The amount of Rs 4,12,927/- may be debited under the provision made of on the above mentioned research project for the year 2016-17.

A formal bill for Rs. 4,12,927/- is sent herewith for payment release by cheque/demand draft for Rs. 68,820 - in favour of the **Director, Entomology Research Institute, Loyola College, Chennai-600034** This issued with the concurrence of the Finance Divn., BMS Adhoc 35 2014-15 dated 27.2.2015

Salary of SRF Rs 2,18,400/- + Contingency-1,82,500/- + Overhead 3%-12,027/- = Rs. 4,12,927/-

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

Copy to: the Director, Entomology Research Institute, Loyola College, Chennai-600034. The grant has been sanctioned on the conditions laid down in out letter referred to above.

2. Dr. S. Ignacimuthu, Director, Entomology Research Institute, Loyola College, Chennai-600034
3. Accounts V ICMR
4. IRIS Cell No. 2012-0658
5. Central File

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



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	7LCTO114ERI001
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

25/11/14
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. 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 *K. Santanu*

Ignacimuthu

RP



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



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

PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

*Received
Pandikumar
Ignacimuthu*



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 Institute, 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	7LCTOI14ERI002
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

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

PRINCIPAL

Principal

LOYOLA COLLEGE
CHENNAI - 600 034



25/11/14
Received M. Govil Pan



SB/FTP/MS-04/2014

Science and Engineering Research Board
(A Statutory Body under Department of Science and Technology)
(5 & 5A, Vasant Square Mall, Sector-B, Pocket-5, Vasant Kunj, New Delhi – 110 070)

Dated **01.08.2016**

ORDER

Subject: - Financial assistance for the research project entitled "A Study on topological indices on chemical and nanostructures" by **Dr M. Arockiaraj**, Department of Mathematics, Loyola College, Chennai - 600034, Tamil Nadu.

Sanction of the Board is accorded to the payment of a sum of Rs. 4,00,000/- (Rupees four lakh only) to The Principal, Loyola College, Chennai - 600034, Tamil Nadu being the grant for the financial year 2016-17.

2. Sanction of the grant is subject to the condition as detailed in Annexure – I of this Dept.'s sanction number of **SB/FTP/MS-04/2014** dated 26.11.2014.
3. It is certified that provision of GFR 212 relating to the utilization certificates (UCs) for the funds released under the grant have been satisfied and the UC is enclosed herewith.
4. The expenditure involved is debitable to **Fund for Science and Engineering Research (FSER) - Recurring**
This release is being made under **OYS Scheme**.
5. The sanction has been issued with the approval of Competent Authority in the Board vide Dy. No SERB/F/ **2594** /2016-17 dated 28.07.2016.
6. The amount of **Rs. 4,00,000/- (Rupees four lakh only)** will be drawn by the Finance and Budget Officer of the Board and will be disbursed to **The Principal, Loyola College, Chennai - 600034, Tamil Nadu** by means of RTGS transaction as per their details given below:

Account Name	Principal
Bank Name & Branch	Indian Overseas Bank, Loyola College Branch, Chennai – 34
Bank Account Number	171201000008626
IFSC Code	IOBA0001712
e-mail ID of the grantee	loyolapincipal@gmail.com

7. The Institute will furnish to the SERB, utilization certificate and audited statement of accounts pertaining to the grant immediately after the end of each financial year.
8. The Institute will maintain separate audited accounts for the project. If 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.
9. As per Rule 211 GFRs, the accounts of the project shall be open to inspection by the sanctioning authority / audit whenever the Institute is called upon to do so.



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



Antony 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. 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		5LCTOH4MAT002			
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



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

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

PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

Anthony 25/11/14



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

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-B, Pocket-5
Vasant Kunj, New Delhi-110070

Date: 23/6/2016

ORDER

Sub: Research project entitled, "Development of highly efficient nonlinear optical and environmentally stable organic crystals of DCHS, 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. 3,00,000/- (Rupees three lakh only) as the grant for the financial year (FY) 2016-2017 for implementation of the above said project.

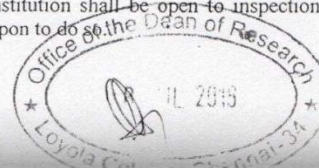
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).
- It is certified that provisions of GFR 212 relating to Utilization Certificates (UCs) for the funds released under the grant have been satisfied and the UC/s is/are enclosed herewith.
- The expenditure involved is debitable to "Fund for Science & Engineering Research (FSER) – Recurring Head". This release is made under "PAC on Physical Sciences".
- The Sanction has been issued with the approval of the competent authority under delegated powers and vide Diary No. SERB/F/1612/2016-17 dated 23.06.2016.
- The amount of Rs. 3,00,000/- (Rupees three 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	IOBA 0001712

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 instalment of the grant.

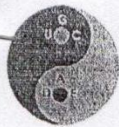
8. As per rule 211 of GFR the accounts of Grantee Institution shall be open to inspection by the sanctioning authority / audit whenever the institute is called upon to do so.

Dean of Research / Bursar
17/16





LOYOLA COLLEGE (AUTONOMOUS) CHENNAI - 600 034.



UGC-DAE Consortium for Scientific Research
(Formerly: Inter University Consortium for DAE Facilities; IUC-DAEF (An Autonomous institution under University Grants Commission, New Delhi) (A Society Registered Under M.P. Society Registrakaran Adhiniyam, 1973) Registered Office and Head Office : UGC-DAE Consortium, University Campus, Khandwa Road, Indore-452 017. Phone 0731-2463913/2762267/2463913 Fax: 0731-2462294/2465437

No. CSR/Accts/2016-17/1740

Speed Post

06 October 2016

To
Principal,
LOYOLA COLLEGE,
Chennai - 600 034 (Tamil Nadu)
India

Sub. : Collaborative research titled "Development of Nuclear Applications" sanctioned to Dr. P. Sagayaraj, Associate Professor, Dept. of Physics, Loyola College, Chennai - 600 034

Ref: Our letter No. CSR-KN/CRS-52/2016-17/658 dated 14 Sept. 2016.

Dear Sir,

An amount of Rs. 2,63,400/- has been deposited on 28.09.2016 in your Account No. 171201000008626 in Indian Overseas Bank, Loyola College Branch, Chennai towards grants sanctioned for year 2016-17 to CRS project mentioned above. UTR No. for above transaction is SBINR52016092834943121. Detail of sanction is as follows:

S.No.	Particulars	Amount (Rs.)
1.	Project Fellow - (14000*12)+30% HRA	2,18,400.00
2.	Contingencies	15,000.00
3.	Consumables	30,000.00
Total Amount Deposited		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,

Administrative Officer-I (Accounts)

Copy to: ✓ Dr. P. Sagayaraj, Associate Professor, Department of Physics, Loyola College, Chennai - 600 034 (Tamil Nadu), India.

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



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
Joe G.M. Jesudurai

Principal
LOYOLA COLLEGE
CHENNAI - 600 034



LOYOLA COLLEGE (AUTONOMOUS) CHENNAI - 600 034.

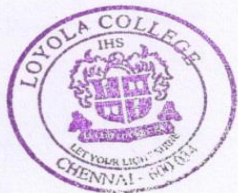
MAJOR RESEARCH PROJECT LOYOLA COLLEGE (AUTONOMOUS) CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. 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		3LCTOII4PHY002			
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



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

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

Received
J. Jerome Das
26/11/2014

Received
Mary Linet, J
26/11/14

Antony 25/11/14



LOYOLA COLLEGE (AUTONOMOUS) CHENNAI - 600 034.

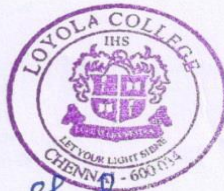
MAJOR RESEARCH PROJECT LOYOLA COLLEGE (AUTONOMOUS) CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. J. 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					
HEADS	ITEMS	GRANT APPROVED (Rs.)	INSTALLMENTS (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

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

PRINCIPAL
Principal
LOYOLA COLLEGE
CHENNAI - 600 034

RP

26/11/14



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

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: 14.02.2017

Sub:- Payment of 1st and 2nd installment of 2nd 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 4,09,829/- (Rupees Four lakhs nine thousand eight hundred twenty nine only) as the 1st and 2nd installment of 2nd year grant for incurring expenditure in connection with the above mentioned project.

The amount of Rs. 4,09,829/- may be debited under the provision made of on the above mentioned research project for the year 2016-17

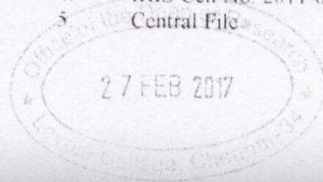
A formal bill for Rs. 4,09,829/- is sent herewith for payment release by cheque/demand draft for Rs. 4,09,829/- in favour of the Principal, Loyola College, Sterling Road, Nungambakam, Chennai-600034.

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

(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



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

Ministry of Science & Technology
Department of Biotechnology
Government of India

Block 2, 8th F
CGO Complex, Lodhi R
New Delhi 110
Dated: 18th July, 20

[Handwritten Signature]
ORDER

Sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Powers, 1978 for the implementation of the Joint Research Project under DBT-CDTI, Spain joint call 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 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 Agustín 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.

Dean of research
[Handwritten Signature]
2/8

[Handwritten Signature]

Contd. 2/-



LOYOLA COLLEGE (AUTONOMOUS) CHENNAI - 600 034.

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/-

Swati



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

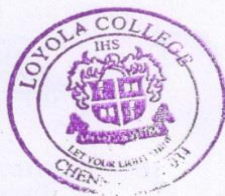
MAJOR RESEARCH PROJECT
LOYOLA COLLEGE (AUTONOMOUS)
CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. R. Ravindhran**, Department of Plant Biology and Biotechnology, Loyola College at a cost of **Rs. 28,53,950** (Twenty eight lakhs fifty three thousand and nine fifty 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	4LCTOI14PBB001				
TITLE OF THE PROJECT	Biofortification of Vitamin E in Finger Millet				
NAME OF THE PI	DR. R. RAVINDHRAN				
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	GRADIENT PCR & QUBIT FLUOROMETER	600000	600000	0	0
TOTAL (A)		600000	600000	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		150000	50000	50000	50000
FIELD WORK/TRAVEL		50000	20000	20000	10000
HIRING SERVICES		125000	25000	50000	50000
CONSUMABLES		600000	200000	200000	200000
OVERHEAD		104950	34150	35400	35400
TOTAL (B)		2253950	737150	763400	753400
GRAND TOTAL (A+B)		2853950	1337150	763400	753400

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: *h. h. h.*
26/11/14



LOYOLA COLLEGE (AUTONOMOUS) CHENNAI - 600 034.

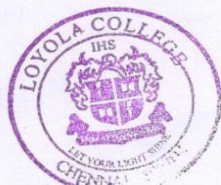
MAJOR RESEARCH PROJECT LOYOLA COLLEGE (AUTONOMOUS) CHENNAI - 34

I wish to convey the Sanction of Major Research Project -2014 to **Dr. 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. Ashwin 26/11/2014

25/11/14
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. 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	4LCIOH4PBB003				
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



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

From:
Tmt.V.Amuthavalli I.A.S.,
Director of Social Welfare,
Directorate of Social Welfare,
2nd floor, SIDCO Old building,
Guindy, Chennai-32.

To,
The Head of Department
Social Work Department
Loyola College,
Nungambakkam,
Chennai-34

Roc.No.015825/SRCW/2014

Dated: 28.03.2017

Sir.

Sub : Social Welfare- Women Welfare – SRCW – Proposal from Loyola College, Nungambakkam to study the Moovalur Ramamirtham Ammaiyar Ninaivu Marriage Assistance Scheme in Thiruvallur District – received – sanction of study proposal under SRCW – Reg

Ref : 1. G.O. (Ms) No.06 SW & NMP (SW3) Dept. Dated: 11.01.2016
2. G.O. (Ms) NO.70 SW & NMP (SW3) Dept. Dated: 16.09.2016
3. Email letter from Loyola College, Dated: 15.03.2017

The Department of Social Work, Loyola College, Chennai, has given a proposal to study the benefits of Moovalur Ramamirtham Ammaiyar Ninaivu Marriage Assistance Scheme in Thiruvallur District. The study is proposed to be conducted with the following objectives at an outlay of Rs.1,28,000/-

Research Objectives.

1. To study the socio economic background of beneficiaries
2. To understand the perception of girl child education among parents
3. To study the perceived importance of scheme among parents
4. To explore the benefits of scheme on girl child education
5. To understand the utilization of the fund by the beneficiaries
6. To identify the limitations in accessing the scheme
7. To identify areas for improvement of the scheme

The study is proposed to be conducted in Tiruvallur District, with the parents who have availed Marriage Assistance Scheme(MAS) in 2015-16.


Principal
LOYOLA COLLEGE
Chennai - 600 034