

Research Project: A comparative study on the properties of reinforcing phenol formaldehyde nanocomposites with carbon nano tube (CNT) and cellulose nano fibre (CNB)

**KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY AND
ENVIRONMENT**

Science Research Scheme

**Consolidated Utilisation Certificate
(for the period from 18. 08. 2016 to 17. 08. 2019)**

1. **Title of the Project/ Scheme:** A comparative study on the properties of reinforcing phenol formaldehyde nanocomposites with carbon nanotube (CNT) and cellulose nanofiber (CNF)
2. **Name of the Institution:** Sree Sankara College, Kalady
3. **Principal Investigator:** Dr. Sreekala M. S.
4. **Total outlay of the project:** 30,44,400/-
5. **Amount received during the entire project tenure**
 - i. Amount : (21,31,840/- + 5,74,928/- + 5,35,480) = 32,42,248/-
 - ii. Letter/ Date No.: Council (P) Order No.3228/C3/2014/KSCSTE dtd. 18. 08. 2016
Council (P) Order No.992/2017/KSCSTE dtd. 15. 12. 2017
Council (P) Order No.18/2019/KSCSTE dtd. 02. 01. 2019
6. **Total amount that was available for expenditure (excluding commitments) during the entire project tenure** Rs. 32,42,248/-
7. **Actual Expenditure (excluding commitments) Incurred during the project year** Rs. 32,48,237/-
8. **Balance amount available at the end of the project tenure:** Rs. 3983/- (Accrued interest)

CERTIFICATE

Certified that out of Rs. 32,42,248/- of grants-in-aid sanctioned during the entire tenure of the project, 2016-2019, in the favour of SRS project under this council, Council (P) Order No.3228/C3/2014/KSCSTE dtd. 18. 08. 2016, Council (P) Order No.992/2017/KSCSTE dtd. 15. 12. 2017, Council (P) Order No.18/2019/KSCSTE dtd. 02. 01. 2019, a sum of Rs. 32,42,248/- has been utilised for the purpose of conducting the project for which it was sanctioned and that balance of Rs. 3983/- (Accrued interest) remaining unutilized at the end of the project tenure has been surrendered to council wide cheque worth Rs. 3983/- (Cheque No. 619752 dated 26. 11. 2019, Name of Bank – Vijaya Bank, Mattoor Branch, Kerala)

Signature of PI

Date 26-11-19

Dr. Sreekala M. S
Principal Investigator
KSCSTE Project

Signature of Head
of the Organization

PRINCIPAL
SREE SANKARA COLLEGE
KALADY

Signature of Chartered Accountant

For **P.K. VIVEK & CO.**
Chartered Accountants
(FRN: 014875S)


PULIPRA KUTTICKAT VIVEK
Proprietor (M. No: 233902)

**STATE COUNCIL FOR SCIENCE, TECHNOLOGY AND ENVIRONMENT
SCIENCE RESEARCH SCHEME**

**Consolidated Statement of Expenditure
(for the project year from 18. 08. 2016 to 17. 08. 2019)**


Sl. No.	Sanctioned Head of Expenditure	Amount Sanctioned Ist Year	Amount Utilized Ist Year	Amount Sanctioned IInd Year	Amount Utilized IInd Year	Amount Sanctioned IIIrd Year	Amount Utilized IIIrd Year	Total Expenditure
1	Manpower	1,84,800	1,84,800	2,64,000 + 39,448(Arrear Fellowship)	3,03,448	2,64,000	2,64,000	7,52,248
2	Consumables	2,00,000	2,00,072	1,50,000	1,50,262	1,50,000	1,52,992	5,03,326
3	Equipment	16,00,000	16,00,000	Nil	Nil	Nil	Nil	16,00,000
4	Travel	30,000	30,129	30,000	30,220	30,000	30,470	90,819
5	Contingencies	50,000	50,099	50,000	50,161	50,000	51,584	1,51,844
6	Overhead Charges	67,040	67,040	41480	41480	41480	41480	1,50,000
7	Any other	Nil	-----	Nil	-----	Nil	-----	-----
8	Accrued interest if any	(24362/-)	-----	(3798/-)	-----	(3983/-)	-----	-----
	Total	21,31,840/-	21,32,140/-	5,74,928/-	5,75,571/-	5,35,480/-	5,40,526/-	32,48,237/-

Funds released so far: 32,42,248/-
Date of start of project: 18. 08. 2016


Signature of PI

Date 18.09.19
Dr. Sreekala M. S.
Principal Investigator
KSCSTE Project




Signature of Head of Organization
Date 18/09/19
PRINCIPAL
SREE SANKARA COLLEGE
KALADY

For P.K. VIVEK & CO.
Chartered Accountants
(FRN: 014875S)

PULIPRA KUTTICKAT VIVEK
Proprietor (M. No: 233902)

Signature & Seal of
Chartered Accountant
Date 27.11.19

Research Project: Fully biodegradable sisal reinforced starch composites: Effect of fibre length on mechanical properties of the composites.

UTILIZATION CERTIFICATE

Certified that out of Rs. 10000/- sanctioned by Kerala State Council for Science, Technology and Environment towards financial assistance for the student project titled 'Fully biodegradable sisal reinforced starch composites: Effect of fibre length on mechanical properties of the composites.', an amount of Rs. 10000/-was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. Nil at the close of the project as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Head of the Institution
PRINCIPAL IN-CHARGE
SREE SANKARA COLLEGE
KALADY-683 674


Seal & Signature
of Chartered Accountant

For JAYAKUMAR M G & Co.
Chartered Accountants

JAYAKUMAR M.G., M.Com., F.C.A., DISA
Proprietor M. No. 211926
FRN: 0221015



UTILIZATION CERTIFICATE

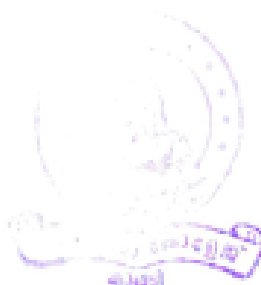
Certified that out of Rs. 10,000/- sanctioned by Kerala State Council for Science, Technology and Environment towards financial assistance for the student project titled 'Ecofriendly protocol for the synthesis of Salicylidene Anilines' (File No./Letter No. 01818/SPS 64/2019/KSITE), an amount of Rs. 10,000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs.NIL at the close of project as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Head of the Institution

ഡോ. സുരേഷ് എ.
പ്രിൻസിപ്പൽ
ജി കെ സർവ്വകലാശാല
കാലടി - 683 574

Office Seal




Seal & Signature
of Chartered Accountant

For JAYAKUMAR M G & Co.
Chartered Accountants

JAYAKUMAR. M.G., M.Com., F.C.A., DISA
Proprietor M. No. 211926
FRN: 022101S

STATEMENT OF EXPENDITURE

Project Title: Environmentally protocol for the synthesis of
Salicylic acid Analyses


File No./ Letter no. 01818/SRS 64/2019/KSCSTE

Name of Institution: SREE SANKARA LOKAL, KALADY

Receipts	Amount (Rs.)	Payments	Amount (Rs.)
1. Amount sanctioned from KSCSTE (to be receivable)	10,000/-	1. Consumables	4321/-
2. Advance	1,396/-	2. Minor Equipments	3820/-
3.		3. Travel	1250/-
		4. Research Literature & Documentation	2005/-
Total	11,396/-	Total	11,396/-

Certified that I have exercised all kinds of checks to see that the grant has been utilized for the purpose for which it was sanctioned by KSCSTE.


Name & Signature
of Principal Investigator


Name & Signature
of Head of the Institution

ജി. സുരേഷ് എ.
പ്രിൻസിപ്പൽ
പ്രൊജക്ട് ഓഫീസർ
ഫോൺ- 683 574

Office Seal




Seal & Signature
of Chartered Accountant

For JAYAKUMAR M G & Co
Chartered Accountants

JAYAKUMAR M.G., M.Com., F.C.A., DISA
Proprietor M. No. 211926
FRN: 0221015

Research Project: **Sorption and mechanical properties of starch-chitosan blend films**

UTILIZATION CERTIFICATE

Certified that out of Rs 10,000/- sanctioned by Kerala State Council for Science, Technology and Environment towards financial assistance for the student project titled *Sorption and mechanical properties of starch-chitosan blend films* (File No. Letter No 01768/SPS64/2019/KSCSTE), an amount of Rs 10,000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs Nil at the close of project as shown in the Statement of Expenditure annexed

Remya M Nair
Name & Signature
of Principal Investigator

[Signature]
Name & Signature
of Head of the Institution

Dr SURESHA
PRINCIPAL
SREE SANKARA COLLEGE
KALADY 683 574

For Balan & Co.
Chartered Accountant
Firm Regn. No 340S

[Signature]
Joyal George FCA
Seal & Signature
of Chartered Accountant

Office Seal



STATEMENT OF EXPENDITURE

Project Title: Description and mechanical properties of starch-chitosan blend films

File No / Letter no. 21768/SPS&A/2019/KSCSTE

Name of Institution: Sree Sankara College, Kalady

Receipts	Amount (Rs.)	Payments	Amount (Rs.)
1 Amount sanctioned from KSCSTE (to be receivable)	10000/-	¹ Consumables	4000/-
2		² Minor equipments	2000/-
3		³ Travel	1000/-
		⁴ Research literature & Documentation	3000/-
Total		Total	10,000/-

Certified that I have exercised all kinds of checks to see that the grant has been utilized for the purpose for which it was sanctioned by KSCSTE

Remya M Nair
Name & Signature
of Principal Investigator

[Signature]
Name & Signature
of Head of the Institution

For Balan & Co.
Chartered Accountants
Firm Regd No 340S
[Signature]
Gopal George FCA
Part of Regd No 228702)
of Chartered Accountant

Dr SURESHA
PRINCIPAL
SREE SANKARA COLLEGE
KADAYYUR, KERALA 686 574
Office Seal



Research Project: Purification and functional characterization of alkaline phosphatase produced by bacteria isolated from extreme environments

STATEMENT OF EXPENDITURE

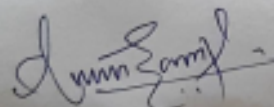
Project Title: Purification and characterization of Alkaline phosphatase produced by bacteria isolated from extreme environments

File No./ Letter no. 00613/SPS 65/2021/KSCSTE

Name of Institution: Sree Sankara College, Kaiady

Receipts	Amount (Rs.)	Payments	Amount (Rs.)
Amount sanctioned from KSCSTE (to be receivable)	10000/-		
1. Consumables	8500/-	DEAE Cellulose for purification	7193/-
		Fructose and minor consumables	1501/-
2. Travel	500/-	Project related travel	172/-
			335/-
3. Research Literature & Documentation	1000/-	Literature printing	375/-
		Project Printing and Binding	700/-
Total	10000/-	Total	10276/-

Certified that I have exercised all kinds of checks to see that the grant has been utilized for the purpose for which it was sanctioned by KSCSTE.



Name & Signature of Principal Investigator



Name & Signature of Head of the Institution

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ശ്രീ ശങ്കരാ കോളേജ്
കാടടി 574



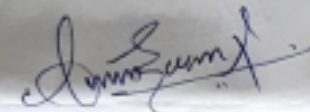
For RATHISH KUMAR & CO.
Chartered Accountants
Firm Reg. No: 009207S

G.K. Rathish Kumar FCA
M. No: 204985

Seal & Signature of Chartered Accountant
UDIN: 22204985 A392A 1751

UTILIZATION CERTIFICATE

Certified that out of Rs. 10000/- sanctioned by Kerala State Council for Science, Technology and Environment towards financial assistance for the student project titled 'Purification and characterization of Alkaline phosphatase produced by bacteria isolated from extreme environment' (File No./Letter No 00613/SPS 65/2021/KSCSTE), an amount of Rs. 10000/- (Ten thousand rupees) was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. 0.00/- at the close of Student Project as shown in the Statement of Expenditure annexed.



Name & Signature
of Principal Investigator



Name & Signature
of Head of the Institution

ഡോ. സുരേഷ് എ.
പ്രിൻസിപ്പാൾ
ശ്രീ ശങ്കരാ കോളേജ്
കാലടി-683 574

Office Seal



For RATHISH KUMAR & CO.
Chartered Accountants
Firm Reg. No: 0092075

G.K. Rathish Kumar FCA
M. No: 204985
Proprietor

Seal & Signature
of Chartered Accountant

UDIN : 22204985A162401781