



SRI PADMAVATHI SCHOOL OF PHARMACY

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor (PO), Chittoor (Dist.), AP - 517503

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Recognized Under 2(f) & 12(B) of UGC Act., Accredited by NBA (for UG-Pharmacy up to 2025))

3.1.1. Sponsored Research

S.No.	Name of the Ph.D scholar	Name of the guide	Title of the Ph.D thesis	University	Year of Registration	Status of the degree
1	Dr. A.Sreenivasa Charan	Dr.C.Sridhar	Development and Vlidation of analytical methods for different active pharmaceutical ingredients and finished pharmaceuticals products	JNTUA, Anantapur	April 2015	PhD Awarded in 2019
2	Mr.D.Jamal basha	Dr.P.R.kumar	Nanocolloidal drug delivery of guggul sterones in the treatment of hyperlipidemia	SRM University, Chennai	June 2019	On-going
3	S.Dhanunjaya	Dr.V.Chitra	Pharmacokinetic interactions of <i>decalepishamiltonii</i> with Cytochrome P450 3A and P Glycoprotein	SRM University, Chennai	January 2019	On going
4	Mrs.Hima Saila	Dr.Santrani thakur	Studies on the protective role of selected Indian spices in cerebral ischaemia reperfusion injury	Sri Padmavathi Mahila visvavidyalayam (Women's university)	October 2016	On going
5	Dr.B.Kishore	Dr.Y.Prasanna Kumar	Design and delivery of nano encapsulated bio-compounds in the urolithiasis treatment	JNTUA, Anantapur	June-2016	PhD Awarded in 2021

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

07/09/2018,
Tiruchanur.

From
Mrs. Hima Saila.M,
Assistant Professor,
Dept of Pharmacology,
Sri Padmavathi School of Pharmacy,
Tiruchanur.
Tirupati.
To
The Principal,
Sri Padmavathi School of Pharmacy,
Tiruchanur,
Tirupati.

Subject: Requisition for financial assistance for Ph.D. work reg:

Respected Sir/Madam,

I am Hima Saila working as Assistant professor in the department of Pharmacology of Sri Padmavathi School of Pharmacy registered with the title 'Studies on the protective role of selected medicinal plants on myocardial infarction' as part-time Ph.D. in Sri Padmavathi Mahila Visva Vidyalayam (SPMVV) under the guidance of Dr. Santhrani Thakur, IPT, SPMVV on 27-10-2016. As it is a self-funded Doctoral programme. I request to accept my sincere appeal and sanction a fund of Rs. 2,50,000/- (INR two lakh and fifty thousand rupees only) for the expenses involved in conducting the my research work .
I have enclosed my Ph.D proposal and proceedings of Ph.D admission

Thanking you.

PRINCIPAL
Sri Padmavathi School of Pharmaco.
TIRUCHANOOR
TIRUPATI (A.P)



Yours sincerely
M.Hima Saila

Dt. 28-10-2016

From
M. Himasaila
Door No. 3-123/7-4
Plot No.3,
Divyakshetravenue
Tiruchanoor Road
Tirupati

To
The Head
Institute of Pharmaceutical Sciences
SPMVV
Tirupati

Madam,

Sub: SPMVV – Submission of joining report for admission into Ph.D. (PT) -
Reg

Ref: Proceedings No. SPMVV/SS/M.Phil/Ph.D./2016, Dt. 27th October,
2016 of the Dean, School of Sciences, SPMVV.

+++

In obedience to the proceedings under reference cited, I am submitting my joining report on 28th October, 2016 as PhD (Part-time) Research Scholar under guidance of Prof. T. Santhrani, in the Institute of Pharmaceutical Technology, S.P. Mahila Visvavidyalayam, Tirupati.

Thanking you,

Yours faithfully,

M. Himasaila

(M. HIMASAILA)

- © to the Dean of Examinations, SPMVV, Tirupati
- © to the Dean, School of Sciences, SPMVV, Tirupati
- © to the Research Supervisor, IPT, SPMVV, Tirupati


PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P)



SRI PADMAVATHI MAHILA VISVAVIDYALAYAM: TIRUPATI
SCHOOL OF SCIENCES

No. SPMVVC/SS/M.Phil/Ph.D /Admns/2016

Dt. 27-10-2016

PROCEEDINGS OF THE DEAN

Sub: SCHOOL OF SCIENCES--Registration of candidate for Ph.D.,
Programme - Orders-Issued.

+++

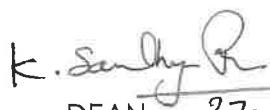
ORDERS:

Ms. Himasaila, M., has been admitted for Ph.D., (PT) Programme in the Institute of Pharmaceutical Technology, S.P. Mahila Visvavidyalayam, Tirupati.

Name and Address of the Candidate	Himasaila M. No. 3 H.No. 3-123/7-4 Divyakshetra Avenue 200 Ft Bye Pass Road Tiruchanoor, Tirupati
Name of the Research Supervisor	Prof. T. Santhrani

The candidate should pay the fees on 27-10-2016 in General Account No. 174910100003226 and submit joining report to the Head of the Department concerned for enrolment countersigned by the Research Supervisor.

Fees: Ph.D., (PT) Rs. 40,000


DEAN 27-10-16
DEAN
SCHOOL OF SCIENCES
SRI PADMAVATHI MAHILA VISVAVIDYALAYAM
TIRUPATI-517 502 (A. P.)

Copy to the Head, Institute of Pharmaceutical Technology, SPMVV., Tirupati
Copy to the Research Supervisor, Institute of Pharmaceutical Technology,
SPMVV., Tirupati
Copy to the Dean of Examinations, SPMVV for information


PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)



Date: 25-03-2019

Place: Tiruchanur

From

Mrs.M.Himasaila,

Assistant Professor,

Sri Padmavathi School Of Pharmacy,

Tiruchanur,

Tirupati.

To

The principal,

Sri Padmavathi School Of Pharmacy,

Tiruchanur,

Tirupati.

Sub: Regarding expenses for the funded amount or the financial year (2018-19)

Respected sir

I M.Himasaila working as assistant professor in the department of pharmacology.

As part of my research work, the following are the expenses for this financial year

S.NO	CATEGEORY	SPENT AMOUNT
1.	Animals(Biogen Laboratory animal facility)	35000
Total		35000

Thanking you



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

M. Himasaila
Yours Sincerely,

M.Himasaila.

Date: 25-03-2019

Place: Tiruchanur

From

Mrs.M.Himasaila,

Assistant Professor,

Sri Padmavathi School Of Pharmacy,

Tiruchanur,

Tirupati.

To

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Sri Padmavathi School Of Pharmacy,

Tiruchanur,

Tirupati.

Sub: Regarding expenses for the funded amount or the financial year (2018-19)

Respected sir

I M.Himasaila working as assistant professor in the department of pharmacology.

As part of my research work, the following are the expenses for this financial year

S.NO	CATEGEORY	SPENT AMOUNT
1.	Animals(Biogen Laboratory animal facility)	35000
Total		35000

Thanking you


Yours Sincerely,

M.Himasaila.


PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)



To
 M/s. Sri Padmavathi School
 of Pharmacy,
 Tiruchanoor, Tirupathi

Mob : +91 94812 47841
 +91 99449 29992



Laboratory Animal Facility
 CPCSEA Reg. No. : 971/PO/RcBIB/S/2006/CPCSEA
 Survey No. 162, 1st Cross, TVS Road,
 Near Anekal - TVS Road Cross, Attibele,
 Bangalore - 562 107, Karnataka, India.
 E-mail : biogenblrindia@gmail.com

CASH / CREDIT BILL

No. : 2067 Your Order No. : — D.C. No. : 2067
 Date : 08/02/2019 Date : — Date : 08/02/2019

Sl. No.	Description	Qty.	Rate	Amount	
				Rs.	Ps.
1)	Wistar Albino Rats - Males	100	180	18,000	00
2)	Wistar Albino Rats - Female	155	160	24,800	00
3)	Rat/mice Pellet Feed (25kg's bag)	04 bags	1350	5,400	00
4)	Transport Charge	— 01 trip —	—	6,500	00
TOTAL				54,700	00

Rupees Fifty Four Thousand and
 Seven hundred Rupees Only

For **biogen**

 Authorised Signatory



SRI PADMAVATHI SCHOOL OF PHARMACY
 TIRUCHANOOR

PRINCIPAL
 Sri Padmavathi School of Pharmacy
 TIRUCHANOOR
 TIRUPATI (A.P)

Date: 16-03-2020

Place: Tiruchanur

From

Mrs.M.Hima saila,
Assistant Professor,
Sri Padmavathi School of Pharmacy,
Tiruchanur,
Tirupati

To

The Principal,
Sri Padmavathi School of Pharmacy,
Tiruchanur,
Tirupati

Sub: Expenses for the financial year (2019-20) reg:

Respected sir

I am M.Himasaila working as assistant professor in the department of pharmacology. As part of my research work, the following are the expenses for this financial year


S.NO	CATEGEORY	SPENT AMOUNT
1.	Animal Feed(Biogen Laboratory animal facility)	11,000
Total		11,000

Thanking you


Yours Sincerely

M.Himasaila.




PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANUR
TIRUPATI (A.P)

Date: 16-03-2020

Place: Tiruchanur

From

Mrs.M.Hima saila,

Assistant Professor,

Sri Padmavathi School of Pharmacy,

Tiruchanur,

Tirupati

To

The Principal,

Sri Padmavathi School of Pharmacy,

Tiruchanur,

Tirupati

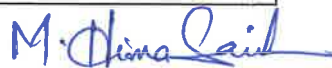
Sub: Expenses for the financial year (2019-20) reg:

Respected sir

I am M.Himasaila working as assistant professor in the department of pharmacology. As part of my research work, the following are the expenses for this financial year

S.NO	CATEGEORY	SPENT AMOUNT
1.	Animal Feed(Biogen Laboratory animal facility)	11,000
Total		11,000

Thanking you


Yours Sincerely

M.Himasaila.


PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P)



To
 M/s. The Principal
Sri Padmavathi School of Pharmacy,
Tirupati, Andhra Pradesh - 517503

Mob : +91 94812 47841
 +91 99449 29992



Laboratory Animal Facility
 CPCSEA Reg. No. : 971/PO/RcBIB/S/2006/CPCSEA
 Survey No. 162, 1st Cross, TVS Road,
 Near Anekal - TVS Road Cross, Attibele,
 Bangalore - 562 107, Karnataka, India.
 E-mail : biogenblrindia@gmail.com

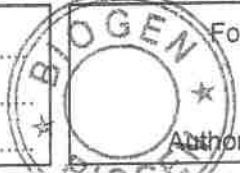
19-20

CASH / CREDIT BILL

No. : 2194 Your Order No. : — D.C. No. : 2194
 Date : 20/06/2019 Date : — Date : 20/06/2019

Sl. No.	Description	Qty.	Rate	Amount	
				Rs.	Ps.
1)	Rat / mice Peller Feed (25kg's / bag)	04 bags	1350	5,400	00
			TOTAL	5,400	00

Rupees Five Thousand and Four
Hundred Rupees Only

For **biogen**

N. Naga
 Authorised Signatory



[Signature]
 PRINCIPAL
 Sri Padmavathi School of Pharmacy
 TIRUCHANOOR
 TIRUPATI (A.P)

11,000
 1,47,510

No. : 1725

CASH/CREDIT BILL

Facility No.:080-7800459
Cell: 9481247841



Laboratory Animal Facility

CPCSEA - Registration No. 971/bc/06

1st Cross, TVS Road, Near Anekal, TVS Road Cross,
Via-Attibele, Bangalore - 562 107, (India) E-mail : biogenblrindia@gmail.com

Facility Advisor

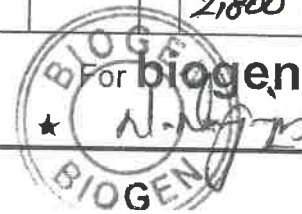
Dr. Y.B. RAJESHWARI, MVSc., P.hd,

Date : 05/11/2019

M/s. The Principal,
Sri Padmavathi School of Pharmacy, Tirupati

Sl.No.	DESCRIPTION	Qty.	Rate		Amount	
			Rs.	P.	Rs.	P.
1)	Rat/mice Feed (25kg's per bag)	026	1400	00	2,800	00
Two thousand and Eight hundred Only.						
Total					2,800	00

Customer's Signature



[Signature]

PRINCIPAL
Sri Padmavathi School of Pharmacy,
TIRUCHANOOR
TIRUPATI (A.P)

No. : 1720

CASH/CREDIT BILL Facility No.:080-7800459

Cell: 9481247841



Laboratory Animal Facility

CPCSEA - Registration No. 971/bc/06

1st Cross, TVS Road, Near Anekal, TVS Road Cross,
Via-Attibele, Bangalore - 562 107, (India) E-mail : biogenblrindia@gmail.com

Facility Advisor

Dr. Y.B. RAJESHWARI, MVSc., P.hd,

Date : 01-10-2019

M/s. Sri Padmavathi School of Pharmacy,
Tiruchanoor, Tirupathi - 517503.

Sl.No.	DESCRIPTION	Qty.	Rate		Amount	
			Rs.	P.	Rs.	P.
1)	Rat/mice feed (25kg's / bag)	02 bags	1400	00	2,800	00
Total					2,800	00

Customer's Signature

For **biogen**

N. Nigam



Principals

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

To

M/s. Sri Padmavathi School
of Pharmacy, Tiruchanoor
Tirupathi - 517 503

Mob : +91 94812 47841
+91 99449 29992



Laboratory Animal Facility

CPCSEA Reg. No. : 971/PO/RcBIB/S/2006/CPCSEA
Survey No. 162, 1st Cross, TVS Road,
Near Anekal - TVS Road Cross, Attibele,
Bangalore - 562 107, Karnataka, India.
E-mail : biogenblrindia@gmail.com

CASH / CREDIT BILL

No. : 2131

Your Order No. : —

D.C. No. : 2131

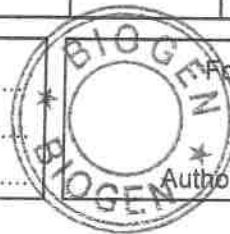
Date : 01/04/2019

Date : —

Date : 01/04/2019

Sl. No.	Description	Qty.	Rate	Amount Rs.	Ps.
1)	Rat/Mice Pellet Feed (25kg's / bag)	04	1,350	5,400	00
2)	Logistic & Handling charges			400	00
TOTAL				5,800	00

Rupees Five Thousand and Eight
hundred Rupees Only.



For biogen

Authorized Signatory



PRINCIPAL
Sri Padmavathi School of Pharmacy,
TIRUCHANOOR
TIRUPATI (A.P)

Date: 23-03-2021

Place: Tiruchnoor

From

Mrs.M.Himasaila

Assistant Professor

Sri Padmavathi School Of Pharmacy

Tiruchanur

Tirupati

To

The Principal,

Sri Padmavathi School Of Pharmacy,

Tiruchanur,

Tirupati.

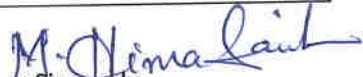
Sub: Expenses for the financial year (2020-21) reg:

Respected sir

I am M.Himasaila working as assistant professor in the department of pharmacology. As part of my research work, the following are the expenses for this financial year

S.NO	CATEGEORY	SPENT AMOUNT
1.	Lab charges ELISA	1,08,000
Total		1,08,000

Thanking you


Yours Sincerely

M.Himasaila




PRINCIPAL
Sri Padmavathi School of Pharmaco;
TIRUCHANOOR
TIRUPATI (A.P)

~~Date: 19-3-2022~~

Date: 19-3-2022

Place: Tiruchanur

From

Mrs.M.Himasaila,
Assistant Professor,
Sri Padmavathi School of Pharmacy,
Tiruchanur,
Tirupati.

To

The Principal,
Sri Padmavathi School of Pharmacy,
Tiruchanur,
Tirupati.

Sub: Regarding expenses for the funded amount or the financial year (2021-22)

Respected sir

I am M.Himasaila working as assistant professor in the department of pharmacology. As part of my research work, the following are the expenses for this financial year.

S.NO	CATEGEORY	SPENT AMOUNT
1.	Manuscript charges	16540
2.	Docking studies	25,000

Thanking you


Yours Sincerely

M.Himasaila


PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P)



2021-22
~~2020-21~~



₹3,540.00

publication charges- manuscript
number-106876

✔ Completed • Jul 24, 3:32 PM



Karur Vysya Bank
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sirisha.spsp@okicici

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manuscript charges no JPRI/71394

Completed • Jul 20, 4:14 PM



Karur Vysya Bank
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UPI transaction ID
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sirisha.spsp@okicdi

Google transaction ID
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Sri Padmavathi School of Pharma.

TIRUCHANOOR

TIRUPATI (A.P)





SD Publisher Group

Publisher of peer reviewed international journals, books and monographs

F. No. SDI/JPRI/21/3072

Dated 19th Jul 2021

Subject: Final decision of review process for (MS no. 2021/JPRI/71394) submitted in Journal of Pharmaceutical Research International

Dear Colleague,

We are pleased to inform that peer review process and editorial review process have been completed for your following manuscript

MS no: 2021/JPRI/71394

Title: "Neuroprotective outcome of thymol against global cerebral ischemia reperfusion injury in albino rats"

We are ready with the final decision. We are happy to inform you that your manuscript is officially accepted for publication in Journal of Pharmaceutical Research International.

Once your manuscript is moved to publishing, our production editor will keep you informed of your article's progress in the production process. You will also receive a proof of your manuscript for final review. We're excited to move forward with your submission. Please feel free to email me with any questions.

Thank you for submitting your paper.

Thanking you.

Dr. M. Basu
Chief Managing Editor

Letter validation link: <https://journaljpri.com/index.php/JPRI/acceptance-letter>

Reg. Offices:

India: Guest House Road, Street no - 1/6, Hooghly, West Bengal, India, Tele: +91 8617752708
UK: Third Floor, 207 Regent Street, London, W1B 3HH, UK, Fax: +44 20-3031-1429



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Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATHI (A.P.)

Certificate No: PUB.2021/JPRI/71394

Journal of Pharmaceutical Research International

Certificate of Publication

Manuscript Title: Neuroprotective Outcome of Thymol against Global Cerebral Ischemia Reperfusion
Injury in Albino Rats

Authored by:

M. Hima Saila, Manga Devi Ch and Santhrani Thakur



Published in:
2021 - Volume 33 [Issue 38A]
Date of Publication: 21.07.21
Certificate validation link: <https://www.journaljpri.com/index.php/JPRI/article/view/32058>

Dr. M. Basu
Chief Managing Editor

PRINCIPAL

Reg. Offices:
India: Guest House Road, Street no - 1/6, Hooghly, West Bengal, India, Tel: +91 8637752708
UK: Third Floor, 207 Regent Street, London, W1B 3HH, UK, Fax: +44 20 5031 1429
Sri Padmavathi School of Pharmac
TIRUPATI (A.P)



✓ Paid ₹ 3,500 4 May 2021 • 7:42 AM

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**** 1260

From: HIMASAILA M (Karur Vysya Bank)
himachathu26@okicici

Google transaction ID
CICAgOCEvNDwcg

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[Learn more](#)

PRINCIPAL
Sri Padmavathi School of Pharmaceutics
TIRUCHANOUR
TIRUPATI (A.P)

G Pay



SRM Institute of Science and Technology
S.R.M.Nagar, Kattankulathur-603 203, Kancheepuram District
Phone : +91 44 27417142 Tel/Fax : +91 44 27456702
Email id: dean.research@srmuniv.ac.in.

Prof.B.Neppolian
Dean (Research)

Date:29.05.2019

Ref.No: M&H 876/Ph.D./Part Time (Ext.) /Pharmacy/ Jun/2019

Dear **Mr.Jamal Basha**

Sub:Provisional registration of Ph.D.Programme-reg.

I am happy to inform you that you have been provisionally registered for the Ph.D. Programme as a **Part Time (Ext.)** candidate in the SRM College of Pharmacy, Faculty of Medical and Health Science. SRM Institute of Science and Technology, Kattankulathur. As per the regulations of this Institute you have to carry out research work under the guidance of **Dr.P.R.Kumar**, H.O.D, Department of Pharmacognosy, SRM College of Pharmacy, SRM Institute of Science and Technology, Kattankulathur. You are requested to report to the guide immediately.

Fee Structure:1st Semester – 6000/-

For the Subsequent semesters Rs.3600/-till the course is completed.

You are requested to pay in person, the 1st Semester Fee of Rs.6000/-within 10 days from the receipt of this letter through a DD taken in favor of "Directorate of Research and Virtual Education" payable at Chennai. You should pay the fees for the rest of the semesters in the beginning of each semester.

You are also requested to report in person to the guide in the beginning of each semester and submit the semester registration form and the six months progress report in the proscribed formats and the same should be forwarded to the Director (Research) through the HOD and the concerned Director of the Faculty.

Yours sincerely,


(**Prof.B.Neppolian**)

To
Mr.Jamal Basha
H.No.1/67/1-B, Pudi Road
PYR super Market
Kalyanamandapam
Tiruchanoor




PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

Nanocolloidal delivery of Bioactive compounds in the treatment of hyperlipidemia – A biopharmaceutical study

SUBMITTED BY,
D. JAMAL BASHA, Dept. Pharmacognosy,
Sri Padmavathi School of Pharmacy, Tiruchanoor, Tirupati, Andhra Pradesh.

Alarming significant fraction of world population is severely combating against chronic disorders such as obesity, hyperlipidemia, atherosclerosis, coronary heart disorder and ischemic heart disorder in recent times. It is reported that 1 in 6 Americans are obese whereas 1 in 10 Asians suffers with obesity and excessive fat/adipose tissue deposition. Reports clearly indicated that prevalence of obesity in women is more than in men. Etiology of the diseases is majorly due to hereditary, abnormal life-style modifications and enzymatic abnormalities.

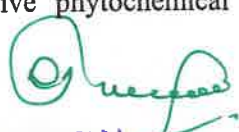
Therapeutic treatment of hyperlipidemic and related conditions is never being an easy task. Rationale selection of drug and dosage regimen is pivotal in their treatment. Pharmacotherapy of hyperlipidemia/obesity becomes an expensive task and its success rate is minimal. On other hand bariatric surgery was also not very successful due to its limitations such as muscular tissue damage, hepatic failure, acute hormonal imbalance and uncontrollable weight-loss.

In Ayurveda, the Indian indigenous system of medicine, some of the potent medicinal plant has been reported to possess lipid lowering, antioxidant and antihypertensive potentials. The possessed pharmacological activities are owing to presence of active phytochemical compounds.

The present research is focused to deliver the bioactive phytochemical compounds into the systemic circulation for antihyperlipidemic and anti-obese activities with novel application of nanotechnology. The nanoparticles as carriers can deliver the drug moieties effectively to desired site with extended distribution phase and without undergoing systemic metabolism.

In the first-part of this research, isolated bioactive phytochemical compounds would be characterized for physico-chemical properties. In the second-part of work, suitable biodegradable/ biocompatible novel polymers would be selected. Employing high shear homogenization technique, allicin nanocolloids would be formulated. By applying DoE (design of experiments) software, the optimized ratio of allicin and nanoparticles forming polymer will be selected for the finalized processing of allicin nanocolloids. bioactive phytochemical




PRINCIPAL
Sri Padmavathi School of Pharmaco
TIRUCHANOOR
TIRUPATI (A.P)

compounds nanocolloids would be characterized and assessed for their surface morphology, physico-chemical principles, loading capacity, entrapment efficiency and drug release. The optimized bioactive phytochemical compounds nanocolloids would be formulated as novel transdermal drug delivery systems. The proposed transdermal drug delivery systems would be evaluated schematically. The shelf-life of allicin nanocolloids containing formulations will also be examined as per ICH guidelines. Therapeutic efficiency of bioactive phytochemical compounds nanocolloids would be evaluated by established *ex-vivo*, *in-vitro* cell line and *in-vivo* models.

Site specific delivery of bioactive phytochemical compounds nanocolloids can alleviate the problems associated with pharmacotherapy hyperlipidemia and its co-morbidities. Being submicron sized entities, bioactive phytochemical compounds nanocolloids can exhibit the increased distribution phase period thereby localization of bioactive phytochemical compounds concentration which enables endothelial cells to release the lipoprotein lipase for conversion process of VLDL to HDL. The possible site specific delivery of bioactive phytochemical compounds by NPs can inhibit the HMG-CoA reductase in liver and thereby it retards the synthesis of liver cholesterol. Being a natural substance, allicin will not cause any single side-effect even after prolonged usage of bioactive phytochemical compounds nanocolloids.


Outcome of the proposed research project is to capitalize clinically safe, therapeutically more efficient and cost-effective therapy of obesity, hyperlipidemia and associated comorbidities with bioactive phytochemical compounds. Further it would be a basis for clinical evaluation in human subjects (patients) after fulfilling various regulatory requirements.

OPERATIONAL METHODOLOGY

Project has been divided into 12 work-packages.

1. As a part of the research study the suitable natural drug candidates, polymers, surfactants, stabilizers and solvents would be selected.
2. Preformulation studies will be carried on them with suitable techniques.
3. Characterization studies like FTIR, DSC and TGA will be performed to check the compatibility between drug and excipients used in the formulation.




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4. Biocompatible, biodegradable and non-toxic polymers will be used to prepare nanoparticles.
5. Nanoparticles of drug with selected polymers will be prepared by employing suitable techniques.
6. Drug polymer ratio would be optimized by DOE software.
7. The prepared nanoparticles will be characterized for particle size and morphology with SEM and zeta potential
8. Further nanoparticles will undergo evaluation for drug content, entrapment efficiency, loading capacity, shelf-life and *in-vitro* drug release.
9. Suitable oral dosage form would be formulated for nanoparticles of selected natural drug candidates.
10. Schematic evaluation of above dosage forms will be carried out.
11. *In-vitro* cell line studies will be undertaken for assessing the efficacy of formulation.
12. *In-vivo* evaluation with suitable animal studies according to activity of drug would be carried out to confirm the efficiency of the developed nanoparticles for adipose targeted drug delivery systems.

Research Proposal Budget

Funding amount	2,00,000
Chemicals	50,000
Lab charges	1,00,000
Animals	50,000

WORK DONE SO FAR

1. Suitable natural drug candidates, polymers, surfactants, stabilizers and solvents have been selected.
2. Preformulation studies carried out with suitable techniques.
3. Characterization studies like FTIR, DSC and TGA was performed to check the compatibility between drug and excipients used in the formulation.



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References

1. Un Ju Jung, Myung Sook Choi. Obesity and its metabolic complications. *Int J Mol Sci.* 2014; 15: 6184-6223.
2. Yang Y, Wang L. Alpha lipoic acid improves high fat diet induced hepatic steatosis by modulating the transcription factors. *J Nutri Biochem.* 2014; 25(11); 1207-1217.
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4. Mailander V, Landfester K. Interaction of nanoparticles with cells. *Biomacromol.* 2009; 10(9): 2379-2400.
5. Chavanpatil MD, Khdair A, Patil Y, Handa H, Mao G, Panyam J. Polymer-surfactant nanoparticles for sustained release of water-soluble drugs. *J Pharm Sci.* 2007, 96(12): 3379-89.
6. Gan Q, Wang T. Chitosan nanoparticles as protein delivery carrier-systemic examination of fabrication conditions for efficient loading and release. *Colloids Surf B Biointerfaces.* 2007, 59(1): 24-34
7. Hong-ling Zhang Si-hui Wu, Yi Tao, Lin-quan Zang, Zeng-quan Su. Preparation and characterization of water-soluble chitosan nanoparticles as protein delivery system. *J Nanomater.* 2010, ID 8989.
8. Huang M, Khor E, Lim LY. Uptake and cytotoxicity of chitosan molecules and nanoparticles: effects of molecular weight and degree of deacetylation. *Pharm Res.* 2004, 21(2):344-53.
9. Ifuku S, Ikuta A, Egusa M, Kaminaka H, Izawa H, Morimoto M, Saimoto H. Preparation of high-strength transparent chitosan film reinforced with surface-deacetylated chitin nanofibers. *Carbohydr Polym.* 2013;98(1):1198-202.
10. Schipper NG, Varum KM, Artursson P. Chitosans as absorption enhancers for poorly absorbable drugs. 1: Influence of molecular weight and degree of acetylation on drug transport across human intestinal epithelial cells. *Pharm Res.* 1996, 13(11): 1686-92.
11. Schipper NG, Varum KM, Stenberg P, Ocklind G, Lennernäs H, Artursson P. Chitosan as absorption enhancers of poorly absorbable drugs. 3: Influence of mucous on absorption enhancement. *Eur J Pharm Sci.* 1999, 8(4):335-43.



A handwritten signature in green ink, appearing to be "S. Padmavathi".

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANDOOR
TIRUPATI (A.P.)

To
The Principal,
Sri Padmavathi School of Pharmacy,
Tiruchanur.

10/12/2019

From
Mr. D. Jamal Basha,
Assistant Professor,
Dept of Pharmacognosy,
Sri Padmavathi School of Pharmacy,
Tiruchanur.

Subject: Requisition for financial assistance for my research work – Reg


Respected Sir/Madam,

I am D. Jamal Basha, Assistant professor in the Department of Pharmacognosy of Sri Padmavathi School of Pharmacy registered as External Part time Ph.D at SRM University with the title 'NanoColloidal Drug Delivery of Guggulsterones in the treatment Hyperlipidemia' under the guidance of Dr. P. R. Kumar, HOD, Department of Pharmacognosy, SRM University, Chennai & Co-supervisor Prof. Dr. D.Ranganayakulu, Principal, Sri Padmavathi School of Pharmacy, Tiruchanoor on 10-06-2019. As it is a self-funded Doctoral programme, I request your goodselves to accept my sincere request for financial assistance of Rs. 2,50,000/- (Two lakhs and fifty thousand rupees only) for the expenses involved in conducting the research work for the above mentioned title.

Thanking you,



Mr. D. Jamal Basha



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Sri Padmavathi School of Pharmacy
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TIRUPATI (A.P)

RESEARCH FUND EXPENDITRE DETAILS

	DATE	QUANTITY	PRICE IN Rs.
DATE OF REGISTRATION	10/06/2019		
PRE PHD COURSE WORK EXAMS / PREPARATION	FROM - 10/06/2019 TO - 16/10/2020		
FEE			
1SEM	10/06/2019		3600
2SEM	06/01/2020		3600
3RD SEM	22/09/2020		6000
4TH	07/01/2021		10000
5TH	19/07/2021		10000
6TH	04/02/2022		10000
GUGGULSTERONE PURE DRUG			
	11/11/2020	100mg	35,160
SOLVENTS Dichloromethane Methanol	13/11/2020	2.5lt	1340
CHARACTERIZATION SEM analysis ZETA potential	14/12/2020 14/12/2020	5 samples	4000
		TOTAL AMONT USED UPTO THE 31/03/2022	83,700



Approved. [Signature]
PRINCIPAL
 Sri Padmavathi School of Pharmacy
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 TIRUPATI (A.P)

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Principals
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Sri Padmavathi School of Pharmacy,
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TIRUPATI (A.P)

Date: 25-03-2022

From
Mr. S. Dhanunjaya,
Assistant Professor,
Sri Padmavathi School Of Pharmacy,
Tiruchanur,
Tirupati.

To
The principal,
Sri Padmavathi School Of Pharmacy,
Tiruchanur,
Tirupati.

Sub: Regarding expenses for the funded amount or the financial year (2021-22)

Respected sir


I S. Dhanunjaya working as assistant professor in the department of pharmacology.

As part of my research work, the following are the expenses for this financial year


S.NO	CATEGEORY	SPENT AMOUNT
1.	6 th Semester fee	Rs. 10,000/-
2.	Manuscript charges	Rs. 3,075/-
3.	7 th Semester fee	Rs. 10,000/-
Total		Rs. 23,075/-

Thanking you

Yours Sincerely,


(S. Dhanunjaya)




PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOR
TIRUPATI (A.P.)

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HEAD OFFICE: 3 VEERASAMY STREET, WEST MAMBALAM, CHENNAI - 600 033

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[Signature]



Diviti Ranganayakulu <spspprinci@gmail.com>

Fwd: ACCEPTANCE LETTER MS IJPAS 2021 5834DHANUNJAYA SANDOPA <dhanuspsp@gmail.com>
To: Diviti Ranganayakulu <spspprinci@gmail.com>

Fri, May 20, 2022 at 12:07 PM

Mr. Dhanunjaya Sandopa, M.Sc. (UK), M.Pharm., (Ph.D.)
Assistant Professor
Department of Pharmacology
Sri Padmavathi School of Pharmacy,
Tiruchanur, Tirupathi-517503
Ph: +91-9177392747----- Forwarded message -----
From: Director BPAS <directorbpas@gmail.com>
Date: Wed, May 19, 2021 at 5:25 PM
Subject: ACCEPTANCE LETTER MS IJPAS 2021 5834
To: DHANUNJAYA SANDOPA <dhanuspsp@gmail.com>**ACCEPTANCE LETTER MS IJPAS 2021 5834**

ISSN: 2277- 4998

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On Thu, Apr 1, 2021 at 9:47 PM Director BPAS <directorbpas@gmail.com> wrote:
Thank you for your response.

On Thu, Apr 1, 2021 at 4:02 PM DHANUNJAYA SANDOPA <dhanusps@gmail.com> wrote:
Dear Sir,
I accept to pay the required fee. So, you can proceed further.

Thanking you

On Thu, Apr 1, 2021, 15:31 Director BPAS <directorbpas@gmail.com> wrote:

SUBJECT: Acknowledgement of Manuscript Submission MS/IJBPAS/2021/5834

ISSN: 2277- 4998

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Dear Dr. GURUBAKSHISH SINGH

Thanks for submitting your manuscript to **International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS)**. Your Manuscript Titled **"INHIBITORY EFFECT OF AQUEOUS ROOT EXTRACT OF DECALEPIS HAMILTONII ON rOAT1"** has been received safely and allotted Manuscript Reference Number: **MS/IJBPAS/2021/5834**. Please quote the Reference Number for further communications.

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If you agree for the same please inform us by mail within 24 hours so that we can begin the review process.

Looking forward towards the publication of your manuscript.

Sincerely

Editorial Manager

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Sri Padmayathi School of Pharmacy
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On Thu, Apr 1, 2021 at 12:47 PM DHANUNJAYA SANDOPA <dhanuspsp@gmail.com> wrote:

Dear Sir/Madam,

Herewith I am submitting the manuscript and covering letter. Please consider this for peer review and publication.

Thanking you Sir,

Mr. Dhanunjaya Sandopa, M.Sc. (UK), M.Pharm., (Ph.D)
Assistant Professor
Department of Pharmacology
Sri Padmavathi School of Pharmacy,
Tiruchanur, Tirupathi-517503
Ph: +91-9177392747

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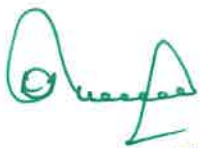
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Rs. 10,000.00

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Sri Padmavathi School of Pharmacy
TIRUCHANOUR
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SRM Institute of Science and Technology
S.R.M.Nagar, Kattankulathur-603 203, Kancheepuram District
Phone : +91 44 27417142 Tel/Fax : +91 44 27456702
Email id: dean.research@srmuniv.ac.in.

Date:04.01.2019

Prof.S.R.S.Prabaharan
Joint Director(Research)

Ref.No: M&H 825/Ph.D./Part Time (Ext.) /Pharmacy/ Jan/2019

Dear **Mr.Dhanunjaya Sandopa**

Sub:Provisional registration of Ph.D.Programme-reg.

I am happy to inform you that you have been provisionally registered for the Ph.D. Programme as a **Part Time (Ext.)** candidate in the SRM College of Pharmacy, Faculty of Medical and Health Science. SRM Institute of Science and Technology, Kattankulathur. As per the regulations of this Institute you have to carry out research work under the guidance of **Dr.V.Chitra, Vice Principal Cum**, Professor, Department of Pharmacology SRM Institute of Science and Technology, Kattankulathur. You are requested to report to the guide immediately.

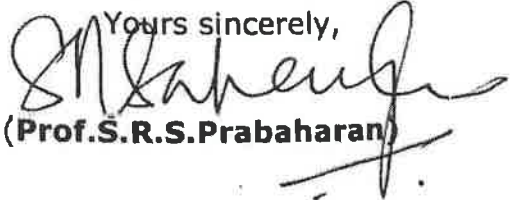
Fee Structure:1st Semester – 6000/-

For the Subsequent semesters Rs.3600/-till the course is completed.

You are requested to pay in person, the 1st Semester Fee of Rs.6000/-within 10 days from the receipt of this letter through a DD taken in favor of "Directorate of Research and Virtual Education" payable at Chennai. You should pay the fees for the rest of the semesters in the beginning of each semester.

You are also requested to report in person to the guide in the beginning of each semester and submit the semester registration form and the six months progress report in the proscribed formats and the same should be forwarded to the Director (Research) through the HOD and the concerned Director of the Faculty.



Yours sincerely,

(Prof.S.R.S.Prabaharan)

To
Mr.Dhanunjaya Sandopa
Chittoor
Thirupati


PRINCIPAL
Sri Padmavathi School of Pharmac,
TIRUCHANOOR
TIRUPATI (A.P)

Pharmacokinetic interactions of *Decalepis hamiltonii* with Cytochrome P₄₅₀3A and P-Glycoprotein

SUBMITTED BY,

S. Dhanunjaya, M.Sc., M.Pharm.

Dept. of Pharmacology, Sri Padmavathi School of Pharmacy, Tiruchanoor, Tirupati, Andhra Pradesh.

Guide: V. Chitra, M.Pharm., Ph.D.

Dean, SRMIST, SRM University, Kattankulathur, Chennai, India.

Background:


A drug interaction occurs when the effects of one drug are altered by the effects of another drug. The drug that precipitates an interaction is the precipitant and the drug whose action is being affected by other is an object drug. In many countries, herbal products are extensively consumed on their own or along with prescription medicines believing that they are safe, as they are of natural origin. They may be safe on their own. But, it has been reported that most of the herbal products precipitate drug interactions with synthetic medications when used concomitantly. Co-administered drugs, herbs and food influence the pharmacokinetics and pharmacodynamics of a drug and ultimately alter its therapeutic outcome.

Numerous chemical components present in herbal extracts are handled by the body similar to that of the synthetic drugs regarding absorption (A), distribution (D), metabolism (M) and excretion (E). Hence, there is a chance for these components to interact in any of the ADME processes of synthetic drugs, affecting their bioavailability and therapeutic efficacy. Most of the drug interactions are due to the induction or inhibition of cytochrome P450 (CYP) enzymes in the liver, which affect first pass and systemic clearance of substrate drugs. P-gp is the efflux drug transporter which influences the absorption of P-gp substrate drugs. Induction or inhibition of CYP3A4 and P-gp affects the bioavailability of substrate drugs respectively.

Rationale:

'Nannari' is an extensively consumed summer drink in rural South India which has aqueous root extract of *Decalepis hamiltonii* (AREDH) as a major component. Traditionally, the roots of *Decalepis hamiltonii* were used in the various Ayurvedic preparations, consumed as pickles and used to store food grains (as bioinsecticide) by tribal people. Various phenolic acids and other root specific chemical components are reported in AREDH.




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The plant has shown that nine food derived phenolic acids, p-coumaric acid, ferulic acid, gallic acid, gentisic acid, 4-hydroxybenzoic acid, protocatechuic acid, sinapinic acid, syringic acid, and vanillic acid have inhibitory effect on human organic anion transporter 1 (hOAT1), hOAT2, and hOAT3 transporters in transfected cell lines. From the literature, we found that all these phenolic acids are present in AREDH. Hence, we determined its effect on rat OAT1 (homologous to human OAT1) and confirmed its strong inhibitory effect and its potential to interact with OAT1 substrate drugs.

In the process of evaluating the complete drug interaction potential of AREDH, along with its inhibitory effect on OAT1, its effect on cytochrome P450 (CYP) enzymes and P-gp transporters have to be determined. Hence, in this work, induction/inhibitory effect of AREDH on CYP3A (the major enzyme involved in the metabolism of most of the drugs) and P-gp (efflux transporter) is determined by using suitable substrate drugs on rats.

Aim:

- To evaluate the interaction of aqueous root extract of *Decalepis hamiltonii* on CYP3A and P-glycoprotein.

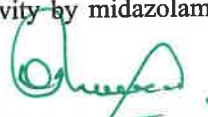
Objectives:

- To evaluate whether aqueous root extract consumption has an effect (induction/inhibition) on P-glycoprotein (drug efflux transporter) in rats.
- To evaluate whether aqueous root extract consumption has an effect (induction/inhibition) on CYP3A (major drug metabolizing enzyme) in rats.

Proposed Plan of Work:

1. *Literature Survey and Review.*
2. Evaluation of the effect of aqueous root extract of *Decalepis hamiltonii* on P-gp
 - a. In situ determination of P-gp activity by using the rat-gut technique.
 - b. *In vitro* determination of P-gp ATPase activity.
 - c. Pharmacokinetic determination of P-gp activity by using 'Fexofenadine' as P-gp substrate drug.
3. Evaluation of the effect of aqueous root extract of *Decalepis hamiltonii* on CYP3A4.
 - a. Pharmacokinetic and Pharmacodynamic (PK-PD) determination of CYP3A4 activity by using 'Simvastatin' as CYP3A4 substrate drug.
 - b. Pharmacodynamic determination of CYP3A4 activity by midazolam (CYP3A4 substrate) induced sleep time.




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This would clearly elaborate us a better understanding of the ability of the aqueous root extract of *Decalepis hamiltonii* on CYP3A4 and P-gp.

Contribution of work to scientific community:

Generation of such scientific data regarding drug interaction potential and mechanisms involved about the herbal compounds that are extensively consumed by humans can be helpful to avoid the consumption when a patient is on a particular therapy.

Research Proposal Budget:

Funding amount	Rs. 2,00,000
Animals (Wistar Albino rats)	Rs. 40,000/-
Plant material, Chemicals & Reagents	Rs. 50,000/-
HPLC analysis	Rs. 60,000/-
ELISA Tests	Rs. 40,000/-
For Publication	Rs. 10,000/-


WORK DONE SO FAR

1. Evaluated the drug interaction potential of aqueous extract of *Decalepis hamiltonii* *in silico*

References

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Sri Padmavathi School of Pharmacy,
TIRUCHANOOR
TIRUPATI (A.P)

5. Srikanta BM, Nayaka MAH, Dharmesh SM. Biochimie Inhibition of Helicobacter pylori growth and its cytotoxicity by 2-hydroxy 4-methoxy benzaldehyde of Decalepis hamiltonii (Wight & Arn); a new functional attribute. Biochimie. 2011;93(4):678–88.
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A handwritten signature in green ink, appearing to be "Anand".

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

05/09/2019

To
The Principal,
Sri Padmavathi School of Pharmacy,
Tiruchanur.

From
Mr. S. Dhanunjaya,
Assistant Professor,
Dept of Pharmacology,
Sri Padmavathi School of Pharmacy,
Tiruchanur.

Sub: Requisition for financial assistance for Ph.D. project work reg:


Respected Sir/Madam,

I am S. Dhanunjaya, Assistant professor in the department of Pharmacology of Sri Padmavathi School of Pharmacy registered the title 'Pharmacokinetic interactions of *Decalepis hamiltonii* with Cytochrome P450 3A and P-glycoprotein' with SRM University as Ph.D. (part-time) under the guidance of Dr. V. Chitra, HOD, Department of Pharmacology, SRM University, Chennai on 10-01-2019. As it is a self-funded Doctoral programme, I request your kind selves to accept my sincere request and sanction a fund of Rs. 2,80,000/- (Two lakhs and eighty thousand rupees only) for the expenses involved in conducting the research work for the above mentioned title.

Thanking you



Mr. S. Dhanunjaya

approved

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)



Date: 20-03-2021

From
Mr. S. Dhanunjaya,
Assistant Professor,
Sri Padmavathi School Of Pharmacy,
Tiruchanur,
Tirupati.
To
The principal,
Sri Padmavathi School Of Pharmacy,
Tiruchanur,
Tirupati.

Sub: Regarding expenses for the funded amount or the financial year (2020-21)

Respected sir

I, S. Dhanunjaya working as assistant professor in the department of pharmacology.

As part of my research work, the following are the expenses for this financial year

S.NO	CATEGEORY	SPENT AMOUNT
1.	4 th Semester fee	Rs. 3,600/-
2.	5 th Semester fee	Rs. 10,000/-
Total		Rs. 13,600/-

Thanking you

Accepted & approved
S. Dhanunjaya
Sri Padmavathi School of Pharmacy,
TIRUCHANDOR
TIRUPATI (A.P)



Yours Sincerely,

(S. Dhanunjaya)

SRM INSTITUTE OF SCIENCE & TECHNOLOGY

HEAD OFFICE: VEERA STREET, VESTRA, CHENNAI - 600 033

(SRM Institute of Science and Technology)

19/01/2021 11.27 AM

Voucher No. 2485

RECEIPT

(Original)

Reference Id :43296679

DATE

CREDIT : 283557 Sandopa Dhanunjaya Ph.D Part Time External Pharmacy (Jan 2019)

Rupees Ten Thousand Only

City Union Bank-129114

A SUM OF RUPEES

Received from Mr/Ms/Mrs: 283557 Sandopa Dhanunjaya Ph.D Part Time External Pharmacy (Jan 2019)

BY CASH / CHEQUE / D.D.:

283557 Sandopa Dhanunjaya Ph.D Part Time External Pharmacy (Jan 2019), paid 5th sem semester thro online from SBI on 18.1.2021 for Rs. 10000/- Ref No UTR: SBIN42108972245

TOWARDS

10,000.00

Rs.

For SRM INSTITUTE OF SCIENCE & TECHNOLOGY

Acct./Cashier


PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)



SRM INSTITUTE OF SCIENCE & TECHNOLOGY

HEAD OFFICE: 3 VEERASAMY STREET, WEST MAMBALAM, CHENNAI - 600 033
Directorate Of Research and Virtual Education

(SRM Institute of Science and Technology)

DATE: 23/09/2020 3.20 PM

Voucher No. 1108

RECEIPT

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Reference Id :39344419

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Rupees Three Thousand Six Hundred Only

A SUM OF RUPEES

City Union Bank-129114

Cheque Details, INDIAN BANK 909371 23-09-2020

BY CASH / CHEQUE / D.D.:

Received from Mr/Ms/Mrs: 283557 Sandopa Dhanunjaya Ph.D Part Time External Pharmacy (Jan 2019)


TOWARDS

283557 Sandopa Dhanunjaya Ph.D Part Time External Pharmacy (Jan 2019), paid 4th sem fees by dd no 909371 dt: 23.9.2020 in indian bank for Rs: 3600/-

RS. 3,600.00

For SRM INSTITUTE OF SCIENCE & TECHNOLOGY

Acct./Cashier


PRI
Sri Padmavathi School of Pharmacy,
TIRUCHANOUR
TIRUPATI (A.P)



REQUISITION LETTER

Tiruchanoor

6-3-2018

To
The Principal
Sri Padmavathi School of Pharmacy
Tiruchanoor

Sub: Request for Grant and approval of fund for my research activity.

Respected Sir,


I Kishore Bandrapalle pursuing full time research work in our esteemed Institution. As a part of research work i required approximately below mentioned amount to complete my research Activity.

1. To procure Extracts & Excipients - 55,000/-
2. Characterization Studies for Nanoparticles - 40,000/-
3. Albino Wistar rats for Animal Study - 60,000/-
4. Testing Kits for Serum and urine Analysis - 30,000/-
5. Histopathological Studies - 20,000/-

Total - 2,05,000/-

So please kindly consider my request, and provide the required funds for successful completion of research work.

Thanking you Sir,

Approved
and received

6/3/18

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P)

Yours obediently
B. Kishore
Research Scholar.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU 515002(A.P)

Prof.M.VIJAYA KUMAR
Director of Admissions.

Lr. No.JNTUA/DA/Ph.D/M.Phil/M.S/Admns/Pharmacy/2015-16
Dt:16-05-2016

Sub: JNTUA-DA-Admissions in Ph.D/M.Phil/M.S. Programmes – 2015-16

Dear Applicant,

You are admitted into Ph.D. 2015-16 Program in the faculty of Pharmaceutical Sciences . The details of your admissions are as given below.

Admission Number	15PH1306
Name	Kishore Bandarapalle
Proposed Research work Title	DESIGN AND DELIVERY OF NANOENCAPSULATED BIOCOMPOUNDS IN THE UROLITHIASIS TREATMENT
Supervisor's Name & Designation with Address	Y. Prasanna Raju Professor of Pharmaceutics Sri Padmavathi School of Pharmacy Tiruchanoor - 517503 Tirupathi.
Co-Supervisor's Name & Designation with Address	Prof. K.B. Chandra Sekhar Director JNTUA Oil Technological and Pharmaceutical Research Institute Ananthapuramu.
External Registration/ Full Time- RC	Full Time-SPSP-1

Full Time Research scholars shall report at the respective centre with this admission letter and submit joining report to the Head of Institute on or before 01.06.2016.

All the research scholars have to pay an amount of Rs.40,000/- per annum by 31st July of every year or in two spells of Rs. 20,000/- each by 31st of July and 31st January of every year. Nonpayment of prescribed fee in time may lead to cancellation of the admission.

PRINCIPAL
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TIRUPATI (A.P)

16.5.2016
Director of Admissions

Copy to The Supervisor & Co-Supervisor concerned.
Copy to file.

TITLE OF THE PROJECT

DESIGN AND DELIVERY OF NANOENCAPSULATED BIOCOMPOUNDS IN THE UROLITHIASIS TREATMENT

Abstract of the Research Proposal:

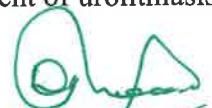
Background:

Urolithiasis is also referred as calculi or uroliths, which is a condition that involves the process of insoluble crystal formation in the kidney, bladder and urethra. Urolithiasis is a common disease, which affects 10-12% of the population in industrialised countries. In males the highest prevalence of the disease occurs between the age of 20 and 40 years, while in females, the highest incidence of the disease occurs later.

Majority of renal calculi are made up of calcium oxalate crystals in the urinary system. Urine is super saturated with common crystal forming minerals however, the crystallization inhibiting capacity of urine does not allow urolithiasis in most of individuals, whereas this natural inhibition capacity is deficient in calculi forming individuals. It has multifactorial etiogenesis, involving anatomic, environmental, genetic, infections, metabolic, natural and socio-economic as major factors.

Apart from conventional pharmacotherapy, lithotripsy and percutaneous nephrolithotomy techniques are employed in surgical removal of calculi. But these techniques cause undesirable side effects like tubular necrosis, hypertension, haemorrhage and subsequent fibrosis of the kidney leading to cell injury and recurrence of renal calculi formation. From the ages, traditional and natural medicines are known to use in the treatment of urolithiasis. Well established animals models are pivotal in basic, etiological and pre-clinical studies of urinary calculi handling.

Nanoparticles are currently used for a variety of purposes and have emerged as valuable tools not only in diagnostic imaging, targeted drug delivery and non-viral gene therapy but also for cell targeting. One of the main advantages of nanoparticles is the ability to modify their physical, chemical and biologic properties. This flexibility results in enormous functionality where the particles can be designed for a variety of different systems depending on the application. Nanoparticles are generally targeted to cells, tissues, organs and systems via several pathways. Nanoparticles have ability to alter size and surface functionalities create possibilities for other uses such as targeting studies. It is therefore, the research is undertaken to synthesize nanoparticulate loaded bioactive compounds for the effective treatment of urolithiasis.



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Keywords:

Calcium oxalate, calculi, chitosan, ethylene glycol, cystone, emulsion solvent diffusion, conjugation, zeta profile.

Aim/Objective:

The research is focused to develop nanoencapsulated bioactive compounds for targeted treatment of urolithiasis and to undertake biopharmaceutical evaluation of formulations.

Proposed Research Methodology:

- As a first part of the research study, suitable biocompounds will be selected.
- Novel polymers, surfactants, stabilizers and solvents would be selected subsequently.
- Preformulation studies will be carried on them with suitable techniques.
- Characterization studies like FTIR, DSC and TGA will be performed to check the compatibility between bioactives and excipients used in the formulation.
- Biocompatible, biodegradable and non-toxic polymers will be used to prepare nanoparticles.
- Nanoparticles of drug with selected polymers will be prepared by employing emulsion solvent diffusion/ conjugation techniques.
- Drug : polymer ratio would be optimized by DoE (Design of Experiments) software.
- The prepared nanoparticles will be characterized for particle size and morphology with SEM and zeta potential.
- Further nanoparticles will undergo evaluation for drug content, entrapment efficiency, loading capacity, shelf-life and *in-vitro* drug release.
- Suitable oral dosage form would be formulated for drug loaded nanoparticles.
- Schematic evaluation of above dosage forms will be carried out.
- *In-vivo* evaluation with established animal studies would be carried out to confirm the efficiency of drug-loaded nanoparticles in the treatment of urolithiasis.



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**Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)**

References:

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU - 515 002



RECEIPT

PART TIME / FULL TIME

No. 1751

Date 16/5/16

H.T.No.

Rank

Subject Pharmacy

Name of the Applicant ... Kishore Bondara Palli

S/o.D/o : B. Ranganatha Reddy

Received the Demand Draft with the following details :

DD No.	Issuing Branch	Date	Amount Rs.
978139	S.B.I	12-05-2016	40850/-

Course : Ph.D

Signature of Receiver

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOR
TIRUPATI (A.P.)



SRI PADMAVATHI SCHOOL OF PHARMACY

(Approved by : A.I.C.T.E. No. 730-50-31 (P)/ET/97, Dated 28-8-97)

(Recognised by Govt. of A.P., G.O.M.S. No. Edn. 272, Dated 16-9-97)

(Affiliated to J.N.T.U. Anantapur, Lr. No. A2/Affi/Sri Padmavathi SP-42/2008-09, Dt. 30-10-2008)

(Recognised by PCI Lr. No. 17-1/2001-PCI/1208-1438, Dated 6-6-2001)

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor(Po) Pin - 517 503. TIRUPATI - (A.P.)

Tel : 0877-3247670 (O) Fax : 0877-2237732

2703

RECEIPT

No.

Date : 27/7/2017

Name : B. Kishore

Roll No. 15 Ph 1306

S/o. / D/o. B. Ranganatha Rddy

Course Ph.D. full time

Year II

S.No.	Particulars	Amount	
		Rs.	Ps.
1.	Application Fee		
2.	Registration Fee		
3.	Admission Fee		
4.	Special Fee		
5.	Tuition Fee	40,000	00
6.	Library Fee		
7.	Games & Sports Fee		
8.	Caution Deposite (Refundable)		
9.	Miscellaneous and other Fee		
TOTAL		40,000	00

In words Rupees forty thousands only

By

Cash

G. R. Ranga
For Principal

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)



SRI PADMAVATHI SCHOOL OF PHARMACY

(Approved by : A.I.C.T.E. No. 730-50-31 (P)/ET/97, Dated 28-8-97)

(Recognised by Govt. of A.P., G.O.M.S. No. Edn. 272, Dated 16-9-97)

(Affiliated to J.N.T.U. Anantapur, Lr. No. A2/Affi/Sri Padmavathi SP-42/2008-09, Dt. 30-10-2008)

(Recognised by PCI Lr. No. 17-1/2001-PCI/1208-1438, Dated 6-6-2001)

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor(Po) Pin - 517 503. TIRUPATI - (A.P.)

Tel : 0877-3247670 (O) Fax : 0877-2237732

No. 2707

RECEIPT

Date: 23/7/18

No.

Name:

B. Kishore

Roll No.

15PH1306

S/o. / D/o.

Course

Ph.D Fulltime

Year

III

S.No.	Particulars	Amount	
		Rs.	Ps.
1.	Application Fee		
2.	Registration Fee		
3.	Admission Fee		
4.	Special Fee		
5.	Tuition Fee	20,000	00
6.	Library Fee		
7.	Games & Sports Fee		
8.	Caution Deposite (Refundable)		
9.	Miscellaneous and other Fee		
TOTAL		20,000	00

In words Rupees

Twenty thousands only

By

ash

[Signature]

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

[Signature]

For Principal



SRI PADMAVATHI SCHOOL OF PHARMACY

(Approved by : A.I.C.T.E. No. 730-50-31 (P)/ET/97, Dated 28-8-97)

(Recognised by Govt. of A.P., G.O.M.S. No. Edn. 272, Dated 16-9-97)

(Affiliated to J.N.T.U. Anantapur, Lr. No. A2/Affi/Sri Padmavathi SP-42/2008-09, Dt. 30-10-2008)

(Recognised by PCI Lr. No. 17-1/2001-PCI/1208-1438, Dated 6-6-2001)

Mohan Gardens, Vaishnavi Nagar, Tiruchanoor(Po) Pin - 517 503. TIRUPATI - (A.P.)

Tel : 0877-3247670 (O) Fax : 0877-2237732

No. 2709

RECEIPT

Date: 29/12/18

Name: B. Kishore

Roll No. 15PH1306

S/o. / D/o. B. Ranganatha Reddy

Course: Ph.D. Further Year: III

S.No.	Particulars	Amount	
		Rs.	Ps.
1.	Application Fee		
2.	Registration Fee		
3.	Admission Fee		
4.	Special Fee		
5.	Tuition Fee	20,000	00
6.	Library Fee		
7.	Games & Sports Fee		
8.	Caution Deposit (Refundable)		
9.	Miscellaneous and other Fee		
TOTAL		20,000	00

In words Rupees twenty thousands only

By *gh*

[Signature]
PRINCIPAL

[Signature]
For Principal

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

Ph.D./M.S/M.Phil Program
JNTUA, Ananthapuramu.
A/c.No. 30501740679

ORIGINAL Date: 19-02-20
(To be retained with the Student)

STATE BANK OF INDIA
JNTUEC Campus Branch
ANANTHAPURAMU.- 2723
Bank code :-2723
Current Account Pay-in-slip

Name : Kishore Bandarapalle
Discipline : Full Time Ph.D.
Roll. No. : 15PH1306
Academic year : 2019-20

FEES PARTICULARS	Rs.
Tution Fee for the Academic Year 2019-20	40,000
Fine (10% of Tution Fee)	7,667
Any other fee	
Total	47,667

Cash Scroll No. 19 FEB 2020
Signature of Remitter Kishore Bandarapalle
Amount in words: Forty thousand Six hundred Sixty seven.

Cashier

Jotting No.

Cash Officer

Branch Manager / Accountant


PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

Ph.D./M.S/M.Phil Program
JNTUA, Ananthapuramu.
A/c.No. 30501740679

ORIGINAL
(To be retained with the Student)

Date: 19-10-20

STATE BANK OF INDIA
JNTUEC Campus Branch
ANANTHAPURAMU - 2723

Bank code :-2723
Current Account Pay-in-slip

Name : Kishore Bandarapall
Discipline : Full time Ph.D
Roll. No. : 15PH1306
Academic year : 2020-21

FEES PARTICULARS	Rs.
Tution Fee for the Academic Year _____	
Fine (if any)	
Any other fee (Pre Submission) (Synopsis)	7,500
Total	7,500

Rs. Seven thousand five hundred

Cash Scroll No. _____
Signature of Remitter _____

Cashier _____
Jotting No. _____
Branch Officer _____
Branch Manager / Accountant _____
Initials _____
SBI 2723
CASH / TRANSFER
Cheque No. _____
Cheque ID. _____

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P.)

Ph.D./M.S/M.Phil Program
JNTUA, Ananthapuramu.
A/c.No: 30501740679

ORIGINAL

Date: 30/7/20

(To be retained with the Student)

STATE BANK OF INDIA
JNTUEC Campus Branch
ANANTHAPURAMU - 2723

Bank code :-2723

Current Account Pay-in-slip

Name : Kishore Bandayapalle
Discipline : Full Time PH D
Roll. No. : 15 PH 1306
Academic year : 2020-2021

FEES PARTICULARS	Rs.
Tution Fee for the Academic Year <u>2020-2021</u>	20,000/-
Fine (if any)	
Any other fee	
Total	20,000/-

Rs. Twenty thousand (Rupees) only

Rs. Twenty thousand (Rupees) only

Signature of Remitter: S. RAH MIDDIN

Signature of Branch Manager / Accountant: B. Kishore

Stamp: SBI 2723 CASH TRANSFER JNTU EC Br.

Fields: User ID No., Queue No., Scroll No., Cashier, Journal No., Branch ID No., JNTU EC Br., Cashier No., Branch Manager / Accountant


PRINCIPAL

Sri Padmavathi School of Pharmaceutics
TIRUCHANOOR
TIRUPATI (A.P.)

Requirement details to request for grant

12-09-2018	Procurement of drug and excipients	55000
17-04-2019	Characterization studies for Nanoparticles	40000
12-09-2019	Albino wistar rats for In-vivo studies	60000
25-11-2019	Testing kits for serum and urine analysis	30000
21-01-2020	Histopathological studies	20000
Total		205000



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

01.06.2017
Tiruchanoor.

To
The principal
Sri Padmavathi School of Pharmacy
Tiruchanoor.

From
Mr.A.Sreenivasa Charan
Assistant Professor,
Dept. of Pharmaceutical Analysis,
Sri Padmavathi School of Pharmacy
Tiruchanoor.


Respected Sir,

Sub: request for financial assistance for the Ph.D. work-reg.

I, A. Sreenivasa Charan, working as Assistant professor, in the Department of Pharmaceutical Analysis, hereby bring to your kind notice that I have been admitted to the part-time Ph.D program at JNTUA-Anantapur university. As it is a self funded program, I request your good selves to consider for the financial assistance for the PhD program. I will be grateful to you and management for the same.

Thanking you.

Yours Faithfully


(Mr. A. Sreenivasa Charan)



PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU 515002(A.P)**

Prof.M.VIJAYA KUMAR
Director of Admissions.

Lr. No.JNTUA/DA/Ph.D/M.Phil/M.S/Admns/ Pharmacy /2014-15
Dt:21-04-2015

Sub: JNTUA-DA-Admissions in Ph.D/M.Phil/M.S. Programmes – 2014-15

Dear Applicant,

You are provisionally selected for the admission in to Ph.D./M.Phil/M.S.2014-15 Programmes in the faculty of **Pharmaceutical Sciences** .The details of your admissions are as given below.

Admission Number	14PH1312
Name	Sreenivasa Charan.A
Proposed Research work Title	Development and validation of new analytical methods for the analysis of different active pharmaceutical ingredients (API'S) and fully packaged products (FPP'S)
Supervisor's Name & Designation with Address	Dr.C.Sridhar Professor & Director Sri Padmavathi School of Pharmacy Thiruchanoor, Tirupathi
Co-Supervisor's Name & Designation with Address	Prof.K.B.Chandra Sekhar Director JNTUA OTRI Anantapuramu-515002
External Registration/ Full Time- RC	External Registration

Full Time Research scholars shall report at the respective centre with this admission letter and submit joining report to the Head of Institute on or before 04.05.2015.

All the research scholars have to pay an amount of Rs.25,000/- per annum by 31st July of every year or in two spells of Rs. 12,500/- each by 31st of July and 31st January of every year. Nonpayment of prescribed fee intime may lead to cancellation of the admission.

Director of Admissions

To
Sreenivasa Charan.A
Flat No:109, D.No:6-8-1090
Srinivasa Residency
NGO Colony, KT Road
Tirupathi-517507

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

Copy to The Supervisor & Co-Supervisor concerned.
Copy to file.

JNT UNIVERSITY ANANTAPUR
ANANTHAPURAMU-515002 (A.P) INDIA



NAME : SREENIVASA CHARAN.A
ADMISSION NO : 14PH1312
COURSE : PH.D
BRANCH : PHARMACEUTICAL SCIENCE


Signature


Director of Admissions



Venkata Ramana.a, H No:6-8-1090, Flat No:109
Srinivasa Residency, Ngo Colony Tirupati . mob:9490844432.
www.charan4ma@gmail.com

Date of Birth:22-02-1988

Valid Up to : 15-06-2021


PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P.)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU - 515 002

S.No **2274** Research & Development

RECEIPT

PhD/Full - Time / External

R.No

Date : 4-8-2016

Name A. Sreerivasu Charan

Roll No 14 P H 1312

Discipline Ph.D - Pharmacy

Year 2015-16 2016-17

S.No	PARTICULARS	Amount Rs.
1.	Annual Tution Fee ✓	
2.	Late Fee	Rs. 25,000/-
3.	D.D.No. & Dt. <u>259343</u> Bank & Branch : <u>27/7/16</u> (Rupees : <u>Twenty five thousand only</u>)	
4.	Others <u>SB</u>	
Total		25,000/-

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOR
TIRUPATI (A.P.)

Director R & D

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU - 515 002



✓ RECEIPT

PART TIME / FULL TIME

1385

No.

Date 21/4/15

H.T.No.

Rank

Subject ... Pharmacy

Name of the Applicant ... Sreeni Vasa Charam A

Sl.No : V.L.Kata Ramana A

Received the Demand Draft with the following details :

DD No.	Issuing Branch	Date	Amount Rs.
412052	S.B.T	20-04-2015	25850/-

Course : Ph.D

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

Signature of Receiver
[Signature]

A/c NO: 30063715912
BRANCH: TILAK ROAD, TRIVAPATI

Ph.D./M.SI/M.Phil Program
JNTUA, Ananthapuramu.
A/c.No. 30501740679

ORIGINAL
(To be retained with the Student)
Date: 16-JUN-17

STATE BANK OF INDIA
JNTUEC Campus Branch
ANANTHAPURAMU - 2723

Bank code :-2723
Current Account Pay-in-slip

Name : SREENIVASA CHARANNA
Discipline : PHARMACEUTICAL SCIENCE (P.H.D)
Roll. No. : 14PH1312
Academic year : 2014-15

FEES PARTICULARS	Rs.
Tuition Fee for the Academic Year 2014-15 - 18	25,000/-
Fine (if any)	-
Any other fee	-
Total	25,000/-

RS. TWENTY FIVE THOUSAND ONLY

Cash Scrip No. 104
Signature of Remitter

Cashier
Jettling No.

Cash Officer
Branch Manager/ Accountant

Ph: 9490844432

PRINCIPAL
Sri Padmayathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

PAY-IN-SLIP 1 नकद/अंतरण CASH/TRANSFER

STATE BANK OF INDIA

शुभम/शुभम दिनांक/Date. 27.1.2021

बिच चैको के लिए आवेदन Application for Draft / Banker's Chequ

रु का नाम Applicants' Name S.REENI.V.A.S.A

CHAYAN . A

के पक्ष में ड्राफ्ट बैंकर चेक जारी करें/Please issue Draft/BC in

for of The Registrar of A.P. Andhra

कर्ता शाख/Drawn on

(नब्बों में)/Amount in words Twenty Five

शुभम/बैंकर चेक DRAFT / BANKER'S CHEQUE

/Amount ₹ 251000

चेंच/ Exchange 25

/TOTAL 251025

FOR OFFICE USE

रोकड़ अधिकारी / पासकर्ता अधिकारी

Cash Officer / Passing Officer

Principal

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)

STATE BANK OF INDIA
JNTUEC Campus Branch
ANANTHAPURAMU - 2723

Bank code :- 2723

Current Account Pay-in-slip

Name : *Seenivasa charan A*
Discipline : *pharmaceutical sciences*
Roll. No. : *14PH1312*
Academic year : *2018*

FEES PARTICULARS	Rs.
Tuition Fee for the Academic Year <i>July 2018</i>	<i>25,000</i>
Fine (if any)	
Any other fee	
Total	<i>25,000</i>

Rs. *Twenty five thousand only*



Cash Scroll No.

PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOOR
TIRUPATI (A.P.)



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU - 515 002, ANDHRA PRADESH, INDIA

MEMORANDUM OF MARKS

MEMO NO. : **JA 3345921**

S.No. : **900091094**

EXAMINATION : **PRE Ph.D/M.Phil REGULAR AND SUPPLEMENTARY**

HALL TICKET NO. :

14PH1312

BRANCH : **PHARMACY**

MONTH & YEAR OF EXAM : **JUNE - 2016**

NAME : **SREENIVASA CHARAN A**

INSTITUTION : **JNTUA-ANANTHAPURAMU**

S. No.	SUBJECT CODE	SUBJECT TITLE	INTERNAL MARKS	END EXAM	TOTAL MARKS	RESULT	CREDITS
1	09PH00101	INSTRUMENTAL METHODS OF PHARMACEUTICAL ANALYSIS	--	54	54	P	
2	09PH00204	ADVANCED PHARMACEUTICAL ANALYSIS	--	61	61	P	
3	09PH00206	ADVANCED PHARMACOGNOSY	--	70	70	P	
4	11PH00001	RESEARCH METHODOLOGY	--	72	72	P	
SUBJECTS REGISTERED :							
4			APPEARED :	4	PASSED :	4	TOTAL :
				--	257	257	

AGGREGATE (IN WORDS)

TWO FIVE SEVEN



DATE : **Monday, 07 August, 2017**

VERIFIED BY

CONTROLLER OF EXAMINATIONS

INSTRUCTIONS :

MAXIMUM MARKS

MINIMUM FOR PASS

Internal End Exam. Total of Int. & End

End Exam Total of Int. & End

THEORY/DRAWING/DESIGN SUBJECTS

100 100

50 50

PRACTICAL SUBJECTS

P: PASS

F: FAIL

AB: ABSENT

MP: MALPRACTICE

[Signature]

PRINCIPAL

Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P.)

RESEARCH WORK EXPENDITURE DETAILS

Mr.A.Sreenivasa Charan-Ph.D Research work expenses

DESCRIPTION	ITEM/QUANTITY	AMOUNT IN Rs.
Date of registration		
Fee 2015 2016 2017 2018	25,000/- 25,000/- 25,000/- 25,000/-	1,00,000/-
Chemicals and reagents	75,000/-	75,000/-
Thesis book and publication expenses	25,000/-	25,000/-
Total expenditure		2,00,000/-


PRINCIPAL
Sri Padmavathi School of Pharmacy
TIRUCHANOUR
TIRUPATI (A.P.)