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and The Directorate of Medical Education, Chennai.

RESEARCH AND DEVELOPMENT (R & D)

FUNDED PROJECTS

INDEX

S.No	Name of the Research Project	Name of the Principal Investigator/ Co-Investigator	Type (Govern - ment/ Non Govern -ment	Name of the Funding Agency	Funded Amount & Duration
Academic Year 2024 - 2025					
1	Magic Cap: A Herbal Infused Cooling Headgear for Therapeutic and Comfort Applications	Mr. S Pravin Kumar Assistant Professor	Non Govern-ment	IMIS Pharmaceutic als Pvt Ltd,	65,000 /- 2 Year
2	Development of a Rapid-Action Oral Thin Film for Instant Relief of Dry Cough in Emergency Situations	Mrs.C.Kalaiselvi Professor	Non Govern-ment	Pulse Pharmaceutic als Pvt Ltd	50,000 /- 1 Year
3	Development of a Polymer-Based Spray Bandage for Burn Wounds: A Novel Alternative to	Mr.M.Praveen Kumar Assistant Professor	Non Govern-ment	Biomiicron Pharma India	40,000 /- 1 Year



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	Traditional Bandages				
	Academic Year 2023-2024				
4.	Advanced Oral Care Formulation: Spirulina and Ginger-Infused Toothpaste and Gargle with Dual Benefits	Mrs.K.Sowndaraya Assistant Professor	Non Government	Sterling lab Pvt LTD	1,00,000 /- 1 Year
5.	Optimization of a Phytoconstituent-Loaded Topical Gel: A Multifunctional Approach for Dermatological Applications	Mrs.M.Gomathi Assistant Professor	Non Government	Madras Pharma Pvt LTD	90,000 /- 1.5 Year
6.	Activated Charcoal Plus: Formulation and Evaluation for Poison Management	Mrs .C.Kalaiselvi Professor	Non Government	Pulse pharmaceutical Pvt LTD	1,75,000 /- 2 Years
7.	Formulation of Multifunctional Water Purification Tablets Using Sodium Dichloroisocyanurate and Zinc Oxide for Enhanced Efficacy	Mrs.Deepabharathi Assistant profesor	Non Government	Madras Pharma Pvt LTD	1,20,000 /- 2 Years



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	Academic Year 2022 - 2023				
8.	Nicotine Detection Kit	Mrs.P.Nandhitha Assistant Professor	Non Government	Arbor Pharmaceutic al pvt LTD	97,000 /- 1 Year
9.	Formulation and Evaluation of MatrixType Transdermal Patches for Ibuprofen Delivery	Dr.G.Sekar Professor	Non Government	Biomicon Pharma Pvt LTD	1,00,000 /- 1.5 Year
10.	Formulation of Herbal Cream Using Bauhinia tomentosa for AntiInflammatory Activity	Mrs.M.Gomathi Assistant Professor	Non Government	IMIS pharmaceutic al pvt ltd	90,000 /- 1 Year
11.	The Potential Of Pirandai (Cissus Quadrangularis) In Creating Medicinal Soaps For Sensitive Skin	Mrs..M. Vanitha Assistant Professor	Non Government	Nanoccut therapeutical s Pvt LTD	75,000 /- 1 Year
12.	The Effect Of Parangipattai Smilax China) In Creating Medicinal Soap Disease Like For Skin Psoriasis	Mrs.P.Nandhitha Assistant Professor	Non Government	IMIS Pharmaceutic als Pvt LTD	90,000 /- 1 Year



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13.	The Magical Cap: Wearable ControlledRelease Device for Herbal Remedies	Mrs.C.Kalaiselvi Professor	Non Govern- ment	Nanocent therapeutics Pvt LTD	1,10,000 /- 1 Year
Academic Year 2021 - 2022					
14.	Enhancement of Acelofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carrier	Mr.T.Sampath Kumar Assistant professor	Non Govern- ment	IMIS Pharmaceutic als Pvt LTD	1,30,000 /- 1.5 Year
15.	Formulation of Phytosomes Loaded with Alcoholic Extract of Cardio spermumhalicacabum Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery	Dr.C.Jothimanivannan Professor & Principal	Non Govern- ment	Pulse Pharmaceutic als Pvt LTD	1,75,000 /- 2 Years
16.	Formulation of Fast Dissolving Oral Thin Film of Atorvastatin Calcium	Mr.S.Pravin kumar Assistant professor	Non Govern- ment	Sterling Lab Pvt LTD	1,00,000 /- 1 Year
	Development and				



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17.	Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms	Mrs.K.Sowndarya Associate professor	Non Govern- ment	Biomicon Pharma India	1,00,000 /- 1.5 Year
18.	Biodegradable Spoon with Digestive Benefits: A Papain- Infused Innovation	Mr.T.Sampath Kumar Assistant professor	Non Govern- ment	Arbor Pharmaceutic als	1,03,000 /- 1 Year



[Signature]
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Date : 16.08.2024

To

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office,
Chennai,
Tamil Nadu.

Dear Sir/Madam,

Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*Magic Cap: A Herbal-Infused Cooling Headgear for Therapeutic and Comfort Applications*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mr. S Pravin Kumar, AP / SSIP

Thanking You ,



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Address: NO.261/127 1'st Floor, Rohit Tower, Angappa
Naicken St, Parry's Corner, Chennai, Tamil Nadu
CIN: U24239AP1981PTC003079
Telephone: +91 866 4609214
Email: info@imispharma.com



Date : 11.09.2024

To

Mr.S Pravin Kumar,
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Sir,

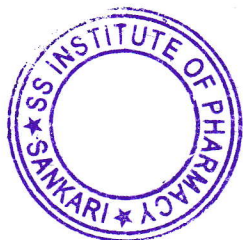
Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

We are pleased to inform you that the proposal submitted for the project titled "Magic Cap: A Herbal-Infused Cooling Headgear for Therapeutic and Comfort Applications" has been approved by our organization for possible funding of Rs. 1,50,000/-, as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Magic Cap: A Herbal-Infused Cooling Headgear for Therapeutic and Comfort Applications	Mr. S Pravin Kumar	2 Years

Thanking you,

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office,
Chennai,



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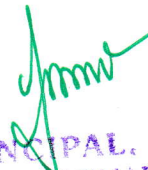
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and The Directorate of Medical Education, Chennai.)

ABSTRACT

Magic Cap: A Herbal-Infused Cooling Headgear for Therapeutic and Comfort Applications

Cooling therapies have long been utilized for their therapeutic benefits, including stress relief, headache alleviation, and temperature regulation. This study aims to develop the **Magic Cap**, an innovative headgear infused with herbal extracts to provide a natural cooling effect. The formulation will involve the selection of herbal components known for their cooling properties, ensuring sustained and effective relief. The cap will be designed for ease of use, offering a non-invasive, eco-friendly, and comfortable alternative to conventional cooling methods. A thorough evaluation of the product's efficacy, stability, and user acceptability will be conducted to determine its potential for commercial and therapeutic applications. This research could lead to advancements in herbal technology and promote the integration of natural remedies into daily healthcare solutions




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BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “**Magic cap : A Herbal infused cooling headgear for therapeutic and comfort applications**”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Planning and designing	9,000
2	Drug and equipment	8,500
3	Method development	12,000
4	Supervising and managing	13,000
5	Qualitative and quantitative analysis	15,500
6	Travel allowance & Miscellaneous	7,000
	Total	65,000 /-


Project Invigilator




Principal
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Date : 20.12.2024

To

The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad,
Telangana.

Dear Sir/Madam,

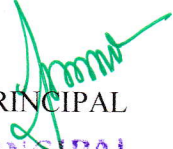
Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*Development of a Rapid-Action Oral Thin Film for Instant Relief of Dry Cough in Emergency Situations*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs.C.Kalaiselvi

Thanking You ,




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KUPPANUR (PO), SANKARI (TK)
SALEM - 637301

Address: NO.261/127 1'st Floor, Rohit Tower, Angappa
Naicken St, Parry's Corner, Chennai, Tamil Nadu
CIN: U24239AP1981PTC003079
Telephone: +91 866 4609214
Email: info@imispharma.com



Date : 05.09.2024

To

Mrs.C.Kalaiselvi
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Madam

Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

We are pleased to inform you that the proposal submitted for the project titled “Development of a Rapid-Action Oral Thin Film for Instant Relief of Dry Cough in Emergency Situations” has been approved by our organization for possible funding of Rs. 1,25,000 as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Development of a Rapid-Action Oral Thin Film for Instant Relief of Dry Cough in Emergency Situations	Mrs.C.Kalaiselvi	1 Years

Thanking you,

A handwritten signature in blue ink, appearing to read 'S. Prasad', is written over the typed name.

The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad

A handwritten signature in green ink is written over the printed name.
PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KIDDANUR (PO), SANKARI (TK),
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ABSTRACT


Development of a Rapid-Action Oral Thin Film for Instant Relief of Dry Cough in Emergency Situations

Dry cough can be an inconvenient and disruptive condition, particularly in professional settings such as meetings, conferences, and other public or emergency situations where individuals require immediate relief without interrupting their activities. Traditional cough syrups and lozenges often take time to act, require water for consumption, or are impractical for discreet use. This study aims to develop a **fast-dissolving oral thin film (OTF)** that delivers rapid relief from dry cough by ensuring quick dissolution and absorption of active ingredients directly through the oral mucosa.

The formulation will incorporate a combination of **herbal and pharmaceutical agents** known for their antitussive, soothing, and throat-coating properties to provide an instant yet sustained effect. The film will be designed using biocompatible and mucoadhesive polymers to enhance stability, taste masking, and bioavailability. Key parameters such as **film thickness, tensile strength, disintegration time, and drug release profile** will be optimized to ensure a high-quality and effective product.

Further, the research will involve **in-vitro and in-vivo evaluations** to assess the film's pharmacokinetics, efficacy, and patient compliance. Stability studies will be conducted to ensure the film retains its effectiveness over time. If successful, this innovative product could serve as a **portable, user-friendly, and discreet solution for individuals seeking immediate relief from dry cough in critical situations**. The study will not only contribute to advancements in oral drug delivery systems but also enhance patient convenience and comfort.




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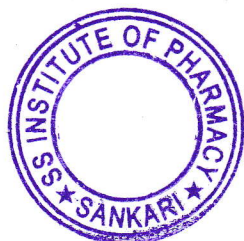
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and The Directorate of Medical Education, Chennai.

BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “Development of a rapid-action oral thin film for instant relief of dry cough in emergency situations”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Planning and designing	6,000
2	Drug and equipment	7,500
3	Method development	9,000
4	Supervising and managing	11,000
5	Qualitative and quantitative analysis	12,500
6	Travel allowance & Miscellaneous	4,000
	Total	50,000 /-

Project Invigilator



Principal

Principal,
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Date : 13.03.2025

To

Managing Director,
Biomiicron Pharma India,
Chennai,
Tamil Nadu.

Dear Sir/Madam,

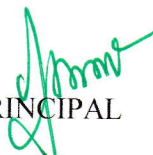
Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*Development of a Polymer-Based Spray Bandage for Burn Wounds: A Novel Alternative to Traditional Bandages* " in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mr.M.Praveen Kumar, AP / SSIP

Thanking You ,




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SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

Address: OLD NO. 18, NEW NO. 32 DR. AMBEDKAR ROAD,
KODAMBAKKAM , CHENNAI, Tamil Nadu, India - 600024.

CIN NO: U52100TN2012PTC086554

REG NO: 86554

Contact: 04423652388

Email: biomiiicron@gmail.com

Biomiicron[®]
Pharma India Pvt.Ltd.

Date : 03.04.2025

To

Mr. M.Praveen Kumar
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Sir,

Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

We are pleased to inform you that the proposal submitted for the project titled Development of a Polymer-Based Spray Bandage for Burn Wounds: A Novel Alternative to Traditional Bandages of Rs. 80,000, as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Development of a Polymer-Based Spray Bandage for Burn Wounds: A Novel Alternative to Traditional Bandages	Mr.M.Praveen Kumar	1 Years

Thanking you,

M. P. K.

Managing Director,
Biomiicron Pharma India,
Chennai,



[Signature]
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ABSTRACT

Development of a Polymer-Based Spray Bandage for Burn Wounds: A Novel Alternative to Traditional Bandages

Burn injuries require immediate and effective wound care to prevent infection, promote healing, and reduce discomfort. Traditional bandages may not always be suitable due to challenges such as adhesion to sensitive burn sites, difficulty in application, and the risk of contamination. This study aims to develop a **polymer-based spray bandage** as an innovative and effective alternative for burn wound management.

The spray bandage will be formulated using **biocompatible, film-forming polymers** that create a protective, breathable, and flexible layer over the affected area. The formulation will incorporate **antimicrobial and wound-healing agents** to prevent infection and accelerate tissue regeneration. The spray mechanism will ensure uniform application, reducing the need for direct contact with the wound and minimizing patient discomfort. Key physicochemical properties, such as **sprayability, film formation time, adhesion strength, permeability, and biodegradability**, will be optimized to enhance the product's efficacy.

The research will involve **in-vitro and in-vivo studies** to evaluate the film's protective properties, wound healing efficiency, and safety profile. Stability studies will be conducted to ensure long-term effectiveness. If successfully developed, this spray bandage could serve as a **portable, non-invasive, and easy-to-use alternative to conventional bandages**, offering improved patient compliance and faster recovery for burn victims.



[Signature]
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BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title **“Development of a polymer based spray bandage for burn wounds : A novel alternative to traditional bandages”**

S.NO	DESCRIPTION	AMT IN RUPEES
1	Planning and designing	7,000
2	Drug and equipment	6,500
3	Method development	8,000
4	Supervising and managing	7,000
5	Qualitative and quantitative analysis	8,500
6	Travel allowance & Miscellaneous	3,000
	Total	40,000 /-

Project Invigilator



Principal
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Date : 26.07.2023

To

Ms. Anjali Sharma,
CEO,
Sterling Lab Pvt Ltd,
Hosur, Krishnagiri,
Tamil Nadu.

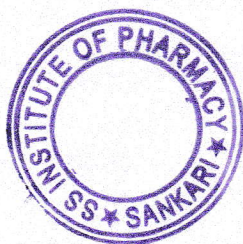
Dear Madam,

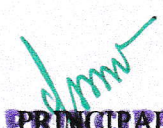
Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*Advanced Oral Care Formulation: Spirulina and Ginger-Infused Toothpaste and Gargle with Dual Benefits*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs.K. Sowndaraya, AP / SSIP

Thank You




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NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India

Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in

Address: 57, SIPCOT Industrial Complex, Hosur-635 126, India.
CIN: U73100DL1980PTC011137
REG NO: 11137
Contact No: +91-4344-276 071
Email: hosur.admin@sterling.com



Date : 16.08.2023

To

Mrs. K. Sowndaraya,
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Madam,

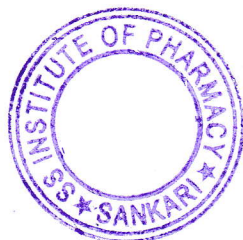
Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

We are pleased to inform you that the proposal submitted for the project titled "*Advanced Oral Care Formulation: Spirulina and Ginger-Infused Toothpaste and Gargle with Dual Benefits*" has been approved by our organization for possible funding of Rs. 1,00,000/- (One lakh) as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Advanced Oral Care Formulation: Spirulina and Ginger-Infused Toothpaste and Gargle with Dual Benefits	Mrs. Sowndaraya,	1 year

Thanking you,

Sterling Lab Pvt Ltd,
Hosur, Krishnagiri,
Tamil Nadu.



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ABSTRACT

Advanced Oral Care Formulation: Spirulina and Ginger-Infused Toothpaste and Gargle with Dual Benefits

This project focuses on developing an innovative oral care product that combines the natural benefits of Spirulina and ginger. Both ingredients are known for their medicinal properties—Spirulina for its antimicrobial and antioxidant effects, and ginger for its anti-inflammatory and soothing properties. The product, formulated as both a toothpaste and gargle, aims to promote overall oral hygiene while offering dual functionality. Spirulina helps to combat plaque and gum disease, while ginger provides relief from oral discomfort and reduces inflammation. The project involves extensive formulation development, where the optimal concentrations of Spirulina and ginger are determined to achieve both efficacy and user acceptability. Stability testing, antimicrobial efficacy studies, and sensory evaluations are carried out to ensure the product remains effective and pleasant to use. In addition, clinical studies will be conducted to validate the product's ability to reduce common oral health problems like gingivitis and bad breath. The combination of these two natural ingredients is expected to create a unique oral care formulation that offers both preventive and therapeutic benefits. This research not only aims to improve oral hygiene practices but also seeks to cater to the growing demand for natural, plant-based health products.




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BUDGET DETAILS FOR THE PROPOSED PROJECTS

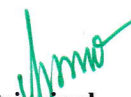
The following table shows the budget proposal for the funded projects title “Advanced Oral Care

Formulation: Spirulina and Ginger-Infused Toothpaste and Gargle with Dual Benefits”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Researcher (Personnel)	11,000
2	Drug and equipment	20,000
3	Method development	22,500
4	Supervising and managing	13,000
5	Qualitative and quantitative analysis	29,500
6	Travel allowance & Miscellaneous	4,000
	Total	1,00,000 /-


Project Invigilator




Principal
PRINCIPAL,
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24.10.2023

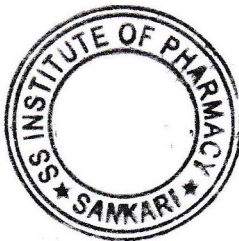
RESEARCH GRANT UTILISATION CERTIFICATE

To

Ms. Anjali Sharma,
CEO, Sterling Lab Pvt Ltd,
Hosur, Krishnagiri,
Tamil Nadu.

Subject: Financial assistance for project scheme-Reg

I hereby certify that amount of Rs. 1,00,000 (One Lakh) received as part of research grant from Sterling Lab Pvt Ltd, Hosur, Krishnagiri, Tamil Nadu was actually used by Mrs.K. Sowndaraya for conducting the minor research project titled *Advanced Oral Care Formulation: Spirulina and Ginger-Infused Toothpaste and Gargle With Dual Benefits*.



Dr.C.Jothimaniyannan

Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Place : Sankari

Date : 24.10.2023

Address: 57, SIPCOT Industrial Complex,
Hosur-635 126, India.
CIN: U73100DL1980PTC011137
REG NO: 11137
Contact No: +91-4344-276 071
Email: hosur.admin@sterling.com



To

18.09.2024

Mrs. K.Sowndaraya,
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Madam,

Subject: Appreciation for Successful Completion of *Advanced Oral Care Formulation: Spirulina and Ginger-Infused Toothpaste and Gargle with Dual Benefits*

On behalf of our Organization, I would like to extend our heartfelt appreciation and sincere congratulations on the successful completion of the *Advanced Oral Care Formulation: Spirulina and Ginger-Infused Toothpaste and Gargle with Dual Benefits*, funded through your generous support.


Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change.


We are deeply grateful for the opportunity to partner with you. Your support made a lasting difference, and we look forward to the possibility of future collaborations.

Once again, thank you for your belief in our mission and for helping us bring this vision to life.

Warm regards,




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301


Sterling Lab Pvt Ltd,
Hosur, Krishnagiri,
Tamil Nadu.



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 05.12.2023

To

The Regional Head,
The Madras Pharmaceutical,
Chennai,
Tamil Nadu.

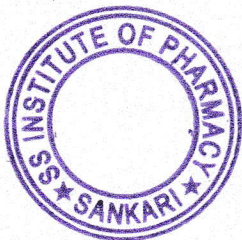
Dear Sir/Madam,

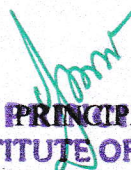
Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "Optimization of a Phytoconstituent-Loaded Topical Gel: A Multifunctional Approach for Dermatological Applications" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs.M. Gomathi, AP / SSIP

Thanking You ,




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK)
SALEM 637301

Address: 15, Gopalakrishnan Road, T. Nagar, Chennai 600 017
CIN NO: U24233TN2015PTC100449
REG NO: 100449
Contact No: +91 44 2345 2030-34
Email: helpdesk@madraspharma.com



Date : 27.12.2023

To

Mr. M.Gomathi,
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Sir,

Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

We are pleased to inform you that the proposal submitted for the project titled "*Optimization of a Phytoconstituent-Loaded Topical Gel: A Multifunctional Approach for Dermatological Applications*" has been approved by our organization for possible funding of Rs. 90,000/- (Ninety thousand), as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Optimization of a Phytoconstituent-Loaded Topical Gel: A Multifunctional Approach for Dermatological Applications	Mrs.M.Gomathi	1.5 Years

Thanking you,

The Regional Head,
The Madras Pharmaceutical, Chennai



PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Optimization of a Phytoconstituent-Loaded Topical Gel: A Multifunctional Approach for Dermatological Applications" has been approved by our organization for possible funding

This study is centered around the development of a topical gel loaded with phytoconstituents derived from medicinal plants, aimed at providing a multifunctional dermatological solution. The gel is designed to offer a range of therapeutic effects, including anti-inflammatory, antioxidant, and antimicrobial benefits, making it suitable for treating a variety of skin conditions such as acne, eczema, and wounds. The research focuses on optimizing the formulation by incorporating various phytoconstituents, such as flavonoids and alkaloids, to create a synergistic effect that enhances skin health. The gel base is carefully formulated using polymers such as Carbopol to ensure optimal viscosity, spreadability, and skin absorption. Evaluation methods include in vitro testing for antimicrobial efficacy, antioxidant activity assays, and stability studies to ensure the product's longevity and effectiveness. Additionally, skin irritation tests will be conducted to confirm the safety of the gel for daily use. The multifunctional approach of this topical gel offers a promising alternative to synthetic dermatological treatments, providing a natural and effective option for improving skin health.




**PRINCIPAL,
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301**



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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “**Optimization of a Phytoconstituent-Loaded Topical Gel: A Multifunctional Approach for Dermatological Applications**”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Researcher (Personnel)	11,000
2	Drug and equipment	18,000
3	Method development	19,500
4	Supervising and managing	13,000
5	Qualitative and quantitative analysis	24,500
6	Travel allowance & Miscellaneous	4,000
	Total	90,000 /-


Project Invigilator




Principal
PRINCIPAL
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

08.03.2024

RESEARCH GRANT UTILISATION CERTIFICATE

To

The Regional Head,
The Madras Pharmaceutical,
Chennai,
Tamil Nadu.

Subject Financial assistance for project scheme-Reg

I hereby certify that amount of Rs 90,000 (Ninety Thousand) received as part of research grant from The Madras Pharmaceutical, Chennai, Tamil Nadu. was actually used by Mrs.M. Gomathi for conducting the minor research project titled *Optimization of A Phytoconstituent-Loaded Topical Gel: A Multifunctional Approach For Dermatological Applications*"



Place : Sankari

Date : 08.03.2024

Dr.C.Jothimanivannan

Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.



SS INSTITUTE OF PHARMACY

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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 20.06.2022

To

The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad,
Telangana.

Dear Sir/Madam,

Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*Activated Charcoal Plus: Formulation and Evaluation for Poison Management*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

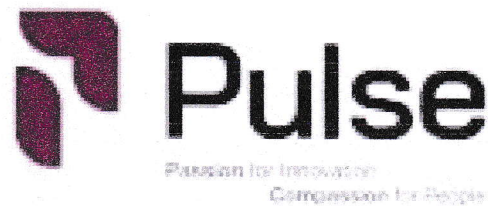
Investigator: Mrs.C.Kalaiselvi

Thanking You ,



[Signature]
PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

Address: Plot No. 18/1, Sector-III, HUDA Techno Enclave,
HITEC City, Hyderabad, Telangana 500081
CIN NO: U24239TG1997PTC026151
REG NO: 026151
Contact: 04027007049
Email: info@pulsepharma.net



Date : 23.07.2022

To

Mrs.C.Kalaiselvi
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Madam

Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

We are pleased to inform you that the proposal submitted for the project titled "Activated Charcoal Plus: Formulation and Evaluation for Poison Management" has been approved by our organization for possible funding of Rs. 1,75,000 as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Activated Charcoal Plus: Formulation and Evaluation for Poison Management	Mrs.C.Kalaiselvi	2 Years

Thanking you,

The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad



PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Activated Charcoal Plus: Formulation and Evaluation for Poison Management

This research investigates the formulation and evaluation of an advanced "Activated Charcoal Plus" product designed for use in poison management. Activated charcoal is a well-known adsorbent used in emergency medicine for the treatment of various poisonings and drug overdoses. However, this study aims to enhance the adsorption efficiency of activated charcoal by combining it with additional natural and synthetic agents that can further neutralize toxins and improve the effectiveness of treatment. The formulation process involves selecting the appropriate grade of activated charcoal, optimizing its particle size, and incorporating complementary agents such as magnesium oxide, which can neutralize acidic poisons, or herbal components known for their detoxifying properties. The formulation is evaluated for its adsorption capacity, particle distribution, and dispersibility in water or suspension media to ensure ease of administration in clinical settings. In vitro studies are conducted to measure the adsorption efficiency of the formulation against various toxic substances, including heavy metals, drugs, and pesticides. The goal is to create a more potent and reliable treatment for poison management that can be administered quickly and effectively in emergency situations, potentially reducing the risk of fatalities and improving patient outcomes.



PRINCIPAL.
SS INSTITUTE OF PHARMACY.
KUPPANUR (PO), SANKARI (TK).
SALEM - 637301



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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

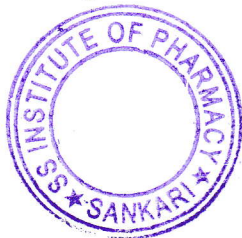
BUDGET DETAILS FOR THE PROPOSED PROJECTS


The following table shows the budget proposal for the funded projects title “**Activated Charcoal**

Plus: Formulation and Evaluation for Poison Management”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Researcher (Personnel)	22,000
2	Planning and designing	16,000
3	Drug and equipment	32,000
4	Method development	29,000
5	Supervising and managing	28,000
6	Qualitative and quantitative analysis	37,500
7	Travel allowance	6,500
8	Miscellaneous	4,000
	Total	1,75,000 /-


Project Invigilator




Principal
PRINCIPAL
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301



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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

12.06.2024

RESEARCH GRANT UTILISATION CERTIFICATE

To

The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad,
Telangana.

Subject Financial assistance for project scheme-Reg

I hereby certify that amount of Rs 1,75,000 (One lakh seventy-five thousand) received as part of research grant from, Pulse Pharmaceuticals Pvt Ltd, Hyderabad, Telangana was actually used by Mrs. C. Kalaiselvi for conducting the minor research project titled *Activated Charcoal Plus: Formulation And Evaluation For Poison Management*.



Dr.C.Jothimanivannan

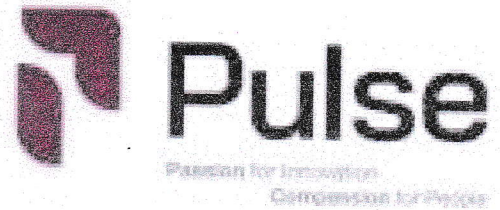
Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Place : Sankari

Date : 12.06.2024

Address: Plot No. 18/1, Sector-III, HUDA Techno Enclave,
HITEC City, Hyderabad, Telangana 500081
CIN NO: U24239TG1997PTC026151
REG NO: 026151
Contact: 04027007049
Email: info@pulsepharma.net



To

09.08.2024

Mrs.C.Kalaiselvi
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Madam,

Subject: Appreciation for Successful Completion of
Activated Charcoal Plus: Formulation and Evaluation for Poison Management

On behalf of organization, I would like to extend our heartfelt appreciation and sincere congratulations on the successful completion of the *Activated Charcoal Plus: Formulation and Evaluation for Poison Management*, funded through your generous support.

Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change.

We truly value the opportunity to have worked alongside you. Your support has left a tangible impact, and we look forward to exploring future opportunities for collaboration.

Thank you once again for your trust, support, and belief in our shared mission.

Warm regards,

The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad



PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 12.05.2024

To

The Regional Head,
The Madras Pharmaceutical,
Chennai,
Tamil Nadu.

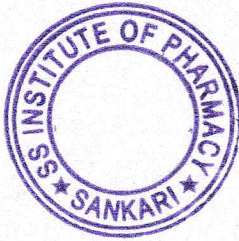
Dear Sir/Madam,

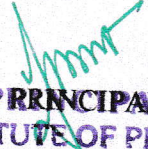
Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*Formulation of Multifunctional Water Purification Tablets*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs. Deepabharathi AP / SSIP

Thanking You ,




PRINCIPAL.
SS INSTITUTE OF PHARMACY.
KUPPANUR (PO), SANKARI (TK).
SALEM - 637301

Address: 15, Gopalakrishnan Road, T. Nagar, Chennai 600 017

CIN NO: U24233TN2015PTC100449

REG NO: 100449

Contact No: +91 44 2345 2030-34

Email: helpdesk@madraspharma.com



Date : 03.06.2024

To

Mrs. Deepabharathi,
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Sir,

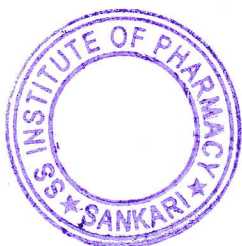
Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

We are pleased to inform you that the proposal submitted for the project titled "Formulation of Multifunctional Water Purification Tablets " has been approved by our organization for possible funding of Rs. 1,20,000 as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Formulation of Multifunctional Water Purification Tablets	MrsDeepabharathi	2 Years

Thanking you,

The Regional Head,
The Madras Pharmaceutical, Chennai



PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR
SALEM



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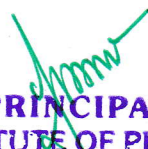
Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Formulation of Multifunctional Water Purification Tablets

This research focuses on the formulation and evaluation of a fast-dissolving oral thin film of Atorvastatin Calcium, a widely prescribed lipid-lowering agent used in the management of hyperlipidemia and cardiovascular diseases. The goal of this project is to develop an innovative oral thin film that dissolves rapidly in the mouth, offering a convenient and patient-friendly alternative to conventional tablets. The oral thin film is particularly beneficial for patients who have difficulty swallowing pills or require a rapid onset of action. The formulation process involves selecting suitable film-forming polymers such as hydroxypropyl methylcellulose (HPMC) and polyvinyl alcohol (PVA) to ensure that the film has the desired mechanical strength, flexibility, and dissolution properties. The films are prepared using the solvent casting method, and various excipients like plasticizers, sweeteners, and flavoring agents are incorporated to enhance patient compliance. The prepared films are evaluated for thickness, uniformity, tensile strength, disintegration time, and drug release profile. In vitro dissolution studies are conducted to assess the rate of drug release from the thin film, and the results are compared with conventional oral dosage forms. The aim is to demonstrate that the fast-dissolving oral thin film provides a quicker onset of action and improved bioavailability, making it an effective and user-friendly dosage form for Atorvastatin Calcium.




PRINCIPAL.
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “**Formulation of Multifunctional Water Purification Tablets Using Sodium Dichloroisocyanurate and Zinc Oxide for Enhanced Efficacy**”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Researcher (Personnel)	15,000
2	Planning and designing	16,500
3	Drug and equipment	18,500
4	Method development	22,500
5	Supervising and managing	14,000
6	Qualitative and quantitative analysis	26,500
7	Travel allowance & Miscellaneous	7,000
	Total	1,20,000 /-


Project Invigilator




Principal
PRINCIPAL
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

14.08.2024

RESEARCH GRANT UTILISATION CERTIFICATE

To

The Regional Head,
The Madras Pharmaceutical,
Chennai,
Tamil Nadu.

Subject : Financial assistance for project scheme-Reg

I hereby certify that amount of Rs 1,20,000 (one lakh twenty thousand) received as part of research grant from The Madras Pharmaceutical, Chennai, Tamil Nadu. was actually used by Mrs. V. Deepa Bharathi, for conducting the minor research project titled *Formulation of Multifunctional Water Purification Tablets*.



Place : Sankari

Date : 14.08.2024

Dr. C. Jothimanivannan

Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 28.06.2022

To

Mr . Abdul Lathiff,
The Managing Director ,
Arbour pharmaceuticals ,
Trichy.

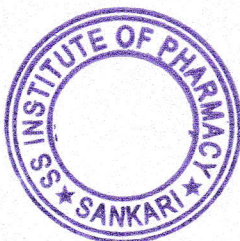
Dear Sir,

Sub: Request financial support and guidance for R&D work in Funded Project-Reg

This letter is to bring to your kind notice that we (SS Institute of pharmacy , Salem) are involving our staffs and students in the Research-oriented activities. In this regard, we request you to grant the permission to do the consultancy related project in the title " Nicotine Detection kit " associated with your organization. So that, it will enrich our knowledge and develop innovative ideas of social relevance.

Investigator: Mrs.P.Nandhitha, AP / SSIP

Thanking You



PRINCIPAL.
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301

Address :7A, ANANDHA NAGAR, CHERAN SA
CIN :U24110TN2013PTC091977
REG NO :91977
PH No: 9788994167
Email :capanneerselvam@gmail.com



Date : 10.07.2022

To

Mrs.P.Nandhitha
Assistant Professor ,
SS Institute of pharmacy ,
Sankari. Salem .


Dear sir ,

Subject : Acceptance and provision of financial assistants for funded project – Reg.


We are happy to intimate that the proposal submitted on project work titled *Nicotine Detection kit ' has been approved by our organization for possible funding of Rs. 97,000 / - (Ninty seven thousand) as the project seems to be innovative. We request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Nicotine Detection kit	MrsP.Nandhitha , AP/ SSIP	1 years

Thanking you


Arbour pharmaceuticals ,
Trichy.




PRINCIPAL.
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Nicotine Detection Kit

The research involves the development of a rapid and easy-to-use nicotine detection kit designed for both clinical and personal use. Nicotine is a potent stimulant commonly found in tobacco products, and its detection is critical for monitoring smoking habits, cessation efforts, and preventing nicotine misuse. The detection kit is designed to offer a quick, accurate, and non-invasive method for identifying nicotine levels in saliva. The primary objective of the research is to develop a user-friendly kit that provides reliable results with minimal technical expertise required. Key components of the kit include a reagent strip that reacts specifically with nicotine, producing a color change to indicate the presence and concentration of nicotine. The research focuses on optimizing the sensitivity and specificity of the detection strip to ensure accurate readings across various nicotine concentrations. Validation of the kit will involve comparative testing with laboratory methods such as high-performance liquid chromatography (HPLC) to confirm its accuracy. The outcomes of this study aim to make nicotine detection more accessible, providing a practical tool for healthcare providers and individuals looking to monitor nicotine exposure effectively.




PRINCIPAL.
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301



SS INSTITUTE OF PHARMACY

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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.


BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “Nicotine Detection Kit”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Planning and designing	12,500
2	Equipment and chemical Purchase	18,000
3	Method Development fee	23,000
4	Implementation fee	7,500
5	Qualitative and quantitative Analysis	32,000
6	Travel allowance and Miscellaneous	4,000
	Total	97,000 /-


Project Invigilator




Principal
PRINCIPAL,
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

08.09.2022

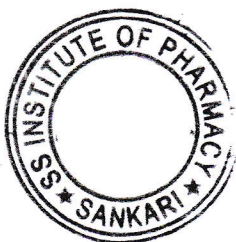
RESEARCH GRANT UTILISATION CERTIFICATE

To

Mr. Abdul Lathiff,
The Managing Director,
Arbour pharmaceuticals,
Trichy.

Subject: Financial assistance for project scheme-Reg

I hereby certify that amount of Rs. 97,000 / - (Ninety-seven thousand)) received as part of research grant from Arbour Pharmaceuticals, Trichy, Tamil Nadu was actually used by Mrs. P. Nandhitha for conducting the minor research project titled **Nicotine Detection Kit**.



Dr. C. Jothimanivannan

Principal

**SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.**

Place : Sankari

Date : 08.09.2022

Address : 7A, ANANDHA NAGAR, CHERAN
SALAI, LICCOLONY, TRICHY-600021
CIN : U24110TN2013PTC091977
REG NO : 91977
PH No: 9788994167
Email : capanneerselvam@gmail.com



To

13.09.2023

Mrs.P.Nandhitha
Assistant Professor ,
SS Institute of pharmacy ,
Sankari, Salem .

Dear Madam ,

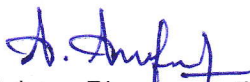
Subject: Sincere Appreciation for the Successful Completion of the Nicotine Detection Kit


On behalf of our organization, I extend our heartfelt gratitude and warm congratulations on the successful completion of the Nicotine Detection Kit project—made possible through your generous support.

Your invaluable contribution enabled the seamless implementation of the project, allowing us to achieve all key objectives. This success is a testament to the dedication of our project team and, importantly, your trust in our work and commitment to driving meaningful impact.

We are truly grateful for the opportunity to collaborate with you. Your support has made a lasting difference, and we look forward to the potential for future partnerships. Thank you once again for believing in our mission and helping bring this important initiative to life.

Warm regards,


Arbour Pharmaceuticals ,
Trichy.


PRINCIPAL.
SS INSTITUTE OF PHARMACY.
KUPPANUR (PO), SANKARI (TK).
SALEM - 637301.





SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 16.08.2022

To

Managing Director,
Biomiicron Pharma India,
Chennai,
Tamil Nadu.

Dear Sir/Madam,

Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "Formulation and Evaluation of Matrix-Type Transdermal Patches for Ibuprofen Delivery" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Dr. G. Sekar, Professor / SSIP

Thanking You ,



[Signature]
PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

Address: OLD NO. 18, NEW NO. 32 DR. AMBEDKAR ROAD,
KODAMBAKKAM , CHENNAI, Tamil Nadu, India - 600024.

CIN NO: U52100TN2012PTC086554

REG NO: 86554

Contact: 04423652388

Email: biomiicron@gmail.com

Biomiicron
Pharma India Pvt.Ltd.

Date : 06.07.2022

To

Mr. M.Praveen Kumar
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.


Dear Sir,


Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

We are pleased to inform you that the proposal submitted for the project titled Formulation and Evaluation of Matrix-Type Transdermal Patches for Ibuprofen Delivery of Rs. 1,00,000, as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Formulation and Evaluation of Matrix-Type Transdermal Patches for Ibuprofen Delivery	Mr M.Praveen Kumar	1.5 Years

Thanking you,


Managing Director,
Biomiicron Pharma India,
Chennai,


PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301





SS INSTITUTE OF PHARMACY

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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Formulation and Evaluation of Matrix-Type Transdermal Patches for Ibuprofen Delivery

This research explores the formulation and evaluation of matrix-type transdermal patches for the delivery of Ibuprofen, a non-steroidal anti-inflammatory drug (NSAID) commonly used to relieve pain and reduce inflammation. Transdermal patches offer a non-invasive and sustained drug delivery system that improves patient compliance and minimizes gastrointestinal side effects associated with oral administration. The study involves the preparation of matrix-type patches using a polymer blend that ensures controlled and consistent release of Ibuprofen through the skin. Various formulations are developed by optimizing the concentration of polymers such as Eudragit, HPMC (Hydroxypropyl Methylcellulose), and plasticizers like PEG (Polyethylene Glycol) to achieve the desired drug release profile. The patches are evaluated for physical properties, including thickness, tensile strength, and moisture absorption, as well as in vitro drug release and permeation studies. Stability testing will also be conducted to ensure the patches maintain their efficacy over time. The results of this study are expected to demonstrate the feasibility of using transdermal patches as a viable alternative to conventional Ibuprofen delivery systems, offering a more patient-friendly and effective method for pain management.




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “**Formulation and Evaluation of Matrix Type Transdermal Patches for Ibuprofen Delivery**”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Planning and designing	13,000
2	Drugs and chemical Purchase	18,000
3	Method Development techniques	23,000
4	Implementation and development fee	9,500
5	Qualitative and quantitative Analysis	32,000
6	Travel allowance	4,500
	Total	1,00,000 /-

Project Invigilator



Principal

PRINCIPAL.
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301.



SS INSTITUTE OF PHARMACY

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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

17.09.2022

RESEARCH GRANT UTILISATION CERTIFICATE

To

Managing Director,
Bio micron Pharma India,
Chennai,
Tamil Nadu.

Subject Financial assistance for project scheme-Reg

I hereby certify that amount of Rs 1,00,000 (One lakh) received as part of research grant from Bio micron Pharma India, Chennai, Tamil Nadu was actually used by Dr.G.Sekar for conducting the minor research project titled *Formulation And Evaluation Of Matrix-Type Transdermal Patches For Ibuprofen Delivery*.



Dr.C.Jothimanivannan
Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Place : Sankari

Date : 17.09.2022

Address: OLD NO. 18, NEW NO. 32 DR. AMBEDKAR ROAD,
KODAMBAKKAM , CHENNAI, Tamil Nadu, India - 600024.

CIN NO: U52100TN2012PTC086554

REG NO: 86554

Contact: 04423652388

Email: biomiicron@gmail.com

Biomiicron
Pharma India Pvt. Ltd.

To

02.04.2024

Mr. M.Praveen Kumar
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Sir,

Subject: Appreciation for Successful Completion of Formulation and Evaluation of Matrix-Type Transdermal Patches for Ibuprofen Delivery

On behalf of our Organization Biomiicron, I would like to extend our heartfelt appreciation and sincere congratulations on the successful completion of the Formulation and Evaluation of Matrix-Type Transdermal Patches for Ibuprofen Delivery funded through your generous support.


Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change.

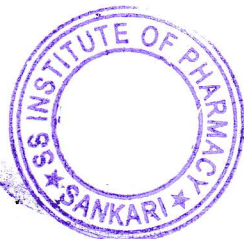
We are deeply grateful for the opportunity to partner with you. Your support made a lasting difference, and we look forward to the possibility of future collaborations. Once again, thank you for your belief in our mission and for helping us bring this vision to life.

Warm regards,



Managing Director,
Biomiicron Pharma India,
Chennai,


PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301





SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 07.11.2022

To

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office,
Chennai,
Tamil Nadu.

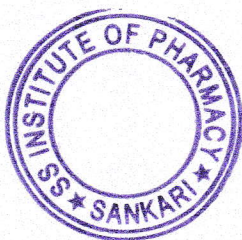
Dear Sir/Madam,

Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "Formulation of Herbal Cream Using Bauhinia tomentosa for Anti-Inflammatory Activity" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs.M.Gomathi AP / SSIP

Thanking You ,



PRINCIPAL.
SS INSTITUTE OF PHARMACY.
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301

Address: NO.261/127 1st Floor, Rohit Tower, Angappa
Naicken St, Parry's Corner, Chennai, Tamil Nadu
CIN: U24239AP1981PTC003079
Telephone: +91 866 4609214
Email: info@imispharma.com



Date : 30.11.2022

To

Mrs.M.Gomathi
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Madam

Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.


We are pleased to inform you that the proposal submitted for the project titled "Formulation of Herbal Cream Using Bauhinia tomentosa for Anti-Inflammatory Activity" has been approved by our organization for possible funding of Rs. 90,000/-, as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Formulation of Herbal Cream Using Bauhinia tomentosa for Anti-Inflammatory Activity	Mrs.M.Gomathi	12 months

Thanking you,

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd, Corporate Office, Chennai,




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Formulation of Herbal Cream Using *Bauhinia tomentosa* for Anti-Inflammatory Activity

The aim of this research is to formulate and evaluate an herbal cream containing *Bauhinia tomentosa*, a medicinal plant known for its potent anti-inflammatory properties. *Bauhinia tomentosa* has been traditionally used in herbal medicine to treat various inflammatory conditions, and this study aims to harness its therapeutic potential in a topical cream for the treatment of skin inflammation and related disorders. The cream is formulated using a natural base along with *Bauhinia tomentosa* extract, and additional ingredients such as emulsifiers, thickeners, and preservatives are carefully selected to ensure product stability and skin compatibility. The formulation is optimized through a series of trials, focusing on achieving the right consistency, spreadability, and absorption rate. The anti-inflammatory efficacy of the cream is evaluated through in vitro and in vivo studies, using models of inflammation to assess its potential in reducing swelling and redness. Additionally, the cream is subjected to dermatological testing to ensure it is safe for long-term use on human skin. The expected outcome is a natural, effective cream that can be used to manage various inflammatory skin conditions, providing an alternative to synthetic anti-inflammatory agents.



PRINCIPAL,
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India

Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in



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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

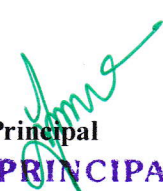
BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “**Formulation of Herbal Cream Using Bauhinia tomentosa for Anti Inflammatory Activity**”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Researcher (Personnel)	12,000
2	Drugs, chemical and equipment Purchase	17,000
3	Methods and materials	19,000
4	Implementation fee	8,500
5	Analytical techniques	29,000
6	Travel allowance	4,500
	Total	90,000 /-


Project Invigilator




Principal
PRINCIPAL.
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

11.01.2023

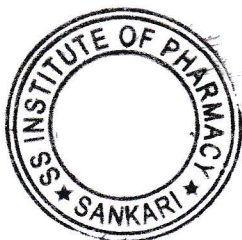
RESEARCH GRANT UTILISATION CERTIFICATE

To

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd, Corporate Office,
Chennai,
Tamil Nadu.

Subject : Financial assistance for project scheme-Reg

I hereby certify that amount of Rs Rs.90,000 (Ninety Thousand) received as part of research grant from The Sterling Lab Pvt Ltd, Hosur, Krishnagiri, Tamil Nadu was actually used by Mrs. M. Gomathi, for conducting the minor research project *Titled Formulation of Herbal Cream Using Bauhinia Tomentosa For Anti-Inflammatory Activity.*



Place : Sankari

Date : 11.01.2023

Dr.C.Jothimanivannan

Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Address: NO.261/127 1st Floor, Rohit Tower, Angappa
Naicken St, Parry's Corner, Chennai, Tamil Nadu
CIN: U24239AP1981PTC003079
Telephone: +91 866 4609214
Email: info@imispharma.com



To

28.12.2023

Mrs.M.Gomathi
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Madam

Subject: Appreciation for Successful Completion of Formulation of Herbal Cream Using Bauhinia tomentosa for Anti-Inflammatory Activity

On behalf of our organization, I would like to extend our heartfelt appreciation and sincere congratulations on the successful completion of the Formulation of Herbal Cream Using Bauhinia tomentosa for Anti-Inflammatory Activity, funded through your generous support.

Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change. We are deeply grateful for the opportunity to partner with you. Your support made a lasting difference, and we look forward to the possibility of future collaborations.

Once again, thank you for your belief in our mission and for helping us bring this vision to life.

Warm regards,

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office, Chennai.



PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 12.12.2022

To

Mr. T. Santhosh Kumar,
The Managing Director,
Nanocut Therapeutics Pvt Ltd,
Puducherry.

Dear Sir,

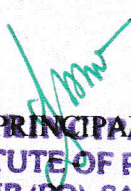
Sub: Request for Financial Support and Guidance for R&D Work in Funded Project - Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled **"The Potential Of Pirandai (CissusQuadrangularis) In Creating Medicinal Soaps For Sensitive Skin"** in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs. Vanitha AP / SSIP

Thank you for considering our request.




PRINCIPAL,
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301

Address: R.S. No.104/19A, E V R STREET SEDARAPET

PY 605111

CIN : U24230PY2010PTC002523

REG NO : 002523

Telephone: +91 413 2677060

Email: accounts@nanoceut.com



Date : 14.01.2023

To

Mrs. Vanitha
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.


Dear Madam,

Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.


We are pleased to inform you that the proposal submitted for the project titled "***The Potential Of Pirandai (CissusQuadrangularis) In Creating Medicinal Soaps For Sensitive Skin.***" has been approved by our organization for possible funding of Rs. 75,000/- (seventy five thousand) as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
The Potential Of Pirandai (CissusQuadrangularis) In Creating Medicinal Soaps For Sensitive Skin.	Mrs. Vanitha SSIP	12 months

Thanking you,


Nanoceut Therapeutics Pvt Ltd,
Puducherry.




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)


Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

The Potential Of Pirandai (CissusQuadrangularis) In Creating Medicinal Soaps For Sensitive Skin

The Goal Of This Research Is To Explore The Medicinal Properties Of Pirandai (Cissusquadrangularis), A Plant Traditionally Used In Ayurvedic Medicine, For The Formulation Of A Medicinal Soap Designed Specifically For Sensitive Skin. Pirandai Is Known For Its Anti-Inflammatory, Antimicrobial, And Skin-Healing Properties, Making It A Promising Ingredient For Skincare Applications. The Soap Is Developed Using A Combination Of Pirandai Extract And Mild, Skin-Friendly Base Ingredients To Create A Gentle Yet Effective Cleansing Bar. The Research Involves Optimizing The Concentration Of Pirandai To Achieve The Best Balance Between Therapeutic Efficacy And Skin Tolerability. Various Formulations Will Be Evaluated Through Stability Tests, Ph Analysis, And Dermatological Assessments To Ensure The Soap Is Non-Irritating And Suitable For Daily Use. The Primary Objective Of This Study Is To Create A Soap That Not Only Cleanses But Also Soothes Sensitive Skin, Helping To Alleviate Common Conditions Such As Redness, Irritation, And Dry Patches. The Formulation Will Also Be Tested For Its Potential In Reducing Symptoms Of Eczema And Other Skin Sensitivities, Providing A Natural Alternative To Synthetic Soaps In The Market.




PRINCIPAL,
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

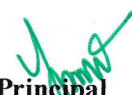
BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “**The Potential Of Pirandai (Cissus Quadrangularis) In Creating Medicinal Soaps For Sensitive Skin**”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Planning and designing of work	10,000
2	Major purchasing components	14,500
3	Method development fee	16,000
4	Implementation fee	7,000
5	Qualitative Analytical techniques	23,500
6	Travel allowance & Miscellaneous	4,000
	Total	75,000 /-


Project Invigilator




Principal
PRINCIPAL.
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK).
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

20.03.2023

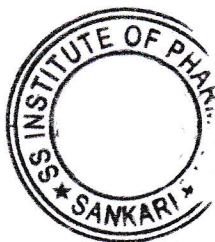
RESEARCH GRANT UTILISATION CERTIFICATE

To

Mr. T. Santhosh Kumar,
The Managing Director,
Nanocut Therapeutics Pvt Ltd,
Puducherry.

Subject : Financial assistance for project scheme-Reg

I hereby certify that amount of Rs.75,000/- (Seventy-Five Thousand)) received as part of research grant from Nanocut Therapeutics Pvt Ltd, Puducherry. was actually used by Mrs. M. Vanitha, for conducting the minor research project titled " *The Potential of Pirandai (Cissusquadrangularis) In Creating Medicinal Soaps For Sensitive Skin*"



Place : Sankari

Date : 20.03.2023

Dr. C. Jothimanivannan

Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Address: R.S. No.104/19A, E V R STREET
SEDARAPET PY 605111
CIN : U24230PY2010PTC002523
REG NO : 002523
Telephone: +91 413 2677060
Email: accounts@nanoceut.com



To

13.02.2024

Mrs. Vanitha
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Madam,

Subject: Appreciation for Successful Completion of The Potential Of Pirandai (Cissus Quadrangularis) In Creating Medicinal Soaps For Sensitive Skin.

On behalf of our organization, I would like to extend our heartfelt appreciation and sincere congratulations on the successful completion of the Potential of Pirandai (Cissus Quadrangularis) In Creating Medicinal Soaps For Sensitive Skin, funded through your generous support.

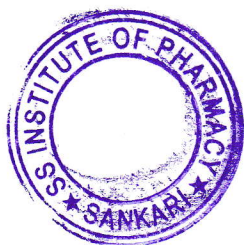
Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change.

We are deeply grateful for the opportunity to partner with you. Your support made a lasting difference, and we look forward to the possibility of future collaborations.

Once again, thank you for your belief in our mission and for helping us bring this vision to life.

Warm regards,

Nanoceut Therapeutics Pvt Ltd,
Puducherry.



PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 10.02.2023

To

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office,
Chennai,
Tamil Nadu.

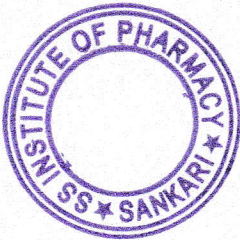
Dear Sir/Madam,

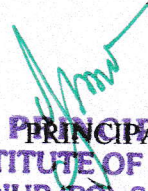
Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "The Effect Of Parangipattai (Smilax China) In Creating Medicinal Soap For Skin Disease Like Psoriasis" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs.P.Nandhitha, AP / SSIP

Thanking You ,




PRINCIPAL,
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India

Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 27.02.2023

To

Mrs.P.Nandhitha
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

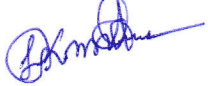
Dear Madam

Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.


We are pleased to inform you that the proposal submitted for the project titled "The Effect Of Parangipattai (Smilax China) In Creating Medicinal Soap For Skin Disease Like Psoriasis" has been approved by our organization for possible funding of Rs. 90,000/-, as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
The Effect OfParangipattai (Smilax China) In Creating Medicinal Soap For Skin Disease Like Psoriasis	MrsNandhitha	12 months

Thanking you,


The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office,
Chennai,




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301.



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)


Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

The Effect Of Parangipattai (Smilax China) In Creating Medicinal Soap For Skin Disease Like Psoriasis

This research focuses on the development of a medicinal soap formulated with Parangipattai (Smilax China), a plant known for its potent anti-inflammatory and detoxifying properties, to address skin conditions such as psoriasis. Psoriasis is a chronic skin condition that causes red, itchy, and scaly patches, and Parangipattai has been traditionally used to treat inflammatory skin diseases. The research aims to harness the medicinal properties of this plant to create a soap that can offer therapeutic relief for individuals suffering from psoriasis and similar conditions. The formulation process involves extracting the active phytoconstituents from Parangipattai and incorporating them into a mild soap base. Key aspects of the study include optimizing the concentration of the extract to maximize efficacy while ensuring the soap is safe for long-term use. The soap will undergo various testing phases, including stability, skin irritation, and clinical evaluations on individuals with psoriasis. The expected outcome is a natural, effective soap that can reduce the symptoms of psoriasis, offering a gentle yet therapeutic solution for managing skin conditions.




PRINCIPAL,
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India

Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “The Effect Of Parangipattai Smilax China) In Creating Medicinal Soap Disease Like For Skin Psoriasis”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Planning and designing of work	14,000
2	Equipment and drug purchasing components	17,500
3	Method development	17,000
4	Supervising and managing	8,000
5	Analytical techniques	28,500
6	Travel allowance & Miscellaneous	5,000
	Total	90,000 /-


Project Invigilator




Principal

PRINCIPAL
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

08.05.2023

RESEARCH GRANT UTILISATION CERTIFICATE

To

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office,
Chennai,
Tamil Nadu.

Subject: Financial assistance for project scheme-Reg

I hereby certify that amount of Rs. 90,000- (Ninety thousand) received as part of research grant IMIS Pharmaceuticals Pvt Ltd, Corporate Office, Chennai from Tamil Nadu was actually used by Mrs. P. Nandhitha, for conducting the minor research project titled *The Effect of Parangipattai (Smilax China) In Creating Medicinal Soap For Skin Disease Like Psoriasis.*



Place : Sankari

Date : 08.05.2023

Dr.C.Jothimanivannan

Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Address: NO.261/127 1'st Floor, Rohit Tower,
Angappa Naicken St, Parry's Corner, Chennai, Tamil Nadu
CIN: U24239AP1981PTC003079
Telephone: +91 866 4609214
Email: info@imispharma.com



To

26.03.2024

Mrs.P.Nandhitha
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Madam

Subject: Appreciation for Successful Completion of The Effect Of Parangipattai (Smilax China)
In Creating Medicinal Soap For Skin Disease Like Psoriasis

On behalf of **imis**, I would like to extend our heartfelt appreciation and sincere congratulations on the successful completion of the the effect of Parangipattai (Smilax China) In Creating Medicinal Soap For Skin Disease Like Psoriasis, funded through your generous support.

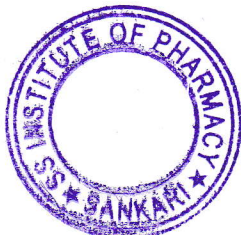
Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change.

We are deeply grateful for the opportunity to partner with you. Your support made a lasting difference, and we look forward to the possibility of future collaborations.

Once again, thank you for your belief in our mission and for helping us bring this vision to life.

Warm regards,

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office,
Chennai,



PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date :27.04.2023

To

Mr. T. Santhosh Kumar,
The Managing Director,
Nanocut Therapeutics Pvt Ltd,
Puducherry.

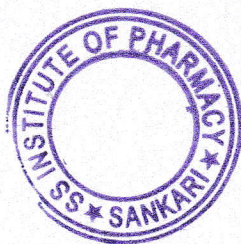
Dear Sir,

Sub: Request for Financial Support and Guidance for R&D Work in Funded Project - Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*The Magical Cap: Wearable Controlled-Release Device for Herbal Remedies*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs.C. Kalaiselvi, AP / SSIP

Thank you for considering our request.



PRINCIPAL,
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301



SS INSTITUTE OF PHARMACY

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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date :17.05.2023

To

Mrs. C. Kalaiselvi,
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.


Dear Madam,

Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

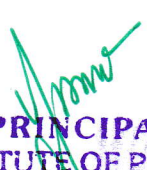
We are pleased to inform you that the proposal submitted for the project titled "*The Magical Cap: Wearable Controlled-Release Device for Herbal Remedies*" has been approved by our organization for possible funding of Rs. 1,10,000/- (One lakh ten thousand) as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Wearable Controlled- Release Device for Herbal Remedies	Mrs.C. Kalaiselvi, SSIP	1 years

Thanking you,


Nanoceut Therapeutics Pvt Ltd.
Puducherry.




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Wearable Controlled- Release Device for Herbal Remedies

This research explores the development of "The Magical Cap," a wearable device that offers a novel method for delivering herbal remedies through a controlled-release mechanism. The cap is designed to deliver herbal extracts directly through the scalp, using a non-invasive method that eliminates the need for electronics or sensors. The primary innovation lies in the cap's ability to provide a sustained release of phytochemicals over time, ensuring consistent dosing throughout the day. The research focuses on incorporating commonly used herbal extracts known for their therapeutic properties, such as those used in traditional Ayurvedic and herbal medicine practices. The controlled-release system is engineered using biocompatible polymers that gradually release the active compounds in response to body temperature and moisture. This project includes the optimization of the release profile, safety assessments, and stability testing of the cap materials. The therapeutic potential of this device includes benefits such as improved scalp health, enhanced hair growth, and the delivery of anti-inflammatory agents directly to target areas. By bridging traditional herbal remedies with modern delivery systems, this project aims to improve the accessibility and effectiveness of herbal treatments, making them more convenient for everyday use.



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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “The Magical Cap:
Wearable Controlled Release Device for Herbal Remedies”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Planning and designing of work	16,000
2	Drug and equipment purchasing	20,500
3	Methodology	22,000
4	Supervising and managing	11,000
5	Qualitative and quantitative analysis	34,500
6	Travel allowance & Miscellaneous	6,000
	Total	1,10,000 /-

Project Invigilator



Principal

PRINCIPAL.
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



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and Directorate of Medical Education, Chennai.

17.07.2023

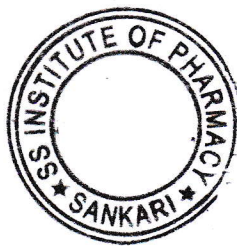
RESEARCH GRANT UTILISATION CERTIFICATE

To

Mr. T. Santhosh Kumar,
The Managing Director,
Nanocut Therapeutics Pvt Ltd,
Puducherry.

Subject: Financial assistance for project scheme-Reg

I hereby certify that amount of Rs 1,10,000 (One lakh ten thousand) received as part of research grant from Nanocut Therapeutics Pvt Ltd, Puducherry was actually used by Mrs. C. Kalaiselvi for conducting the minor research project titled " *Wearable Controlled- Release Device for Herbal Remedies.*



Place : Sankari

Date : 17.07.2023

Dr.C.Jothimanivannan

Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Address: R.S. No.104/19A, E V R STREET
SEDARAPET PY 605111
CIN : U24230PY2010PTC002523
REG NO : 002523
Telephone: +91 413 2677060
Email: accounts@nanoceut.com



To

18.07.2024

Mrs. C. Kalaiselvi,
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Madam,

Subject : Appreciation for Successful Completion of

The Magical Cap: Wearable Controlled-Release Device for Herbal Remedies

On behalf of our organization, I would like to extend our heartfelt appreciation and sincere congratulations on the successful completion of the Appreciation for Successful Completion of, funded through your generous support.

Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change.


We are deeply grateful for the opportunity to partner with you. Your support made a lasting difference, and we look forward to the possibility of future collaborations.

Once again, thank you for your belief in our mission and for helping us bring this vision to life.

Warm regards,

Nanoceut Therapeutics Pvt Ltd,
Puducherry.




PRINCIPAL.
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 16.07.2021

To

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office,
Chennai,
Tamil Nadu.

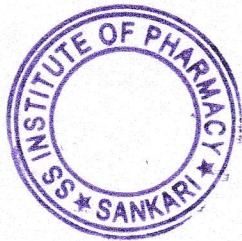
Dear Sir/Madam,

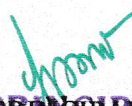
Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*Enhancement of Aceclofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carriers*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mr. T. Sampath Kumar, AP / SSIP

Thanking You ,




PRINCIPAL.
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

Address: NO.261/127 1'st Floor, Rohit Tower, Angappa
Naicken St, Parry's Corner, Chennai, Tamil Nadu
CIN: U24239AP1981PTC003079
Telephone: +91 866 4609214
Email: info@imispharma.com



Date : 18.08.2021

To

Mr. Sampath Kumar
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Sir,

Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

We are pleased to inform you that the proposal submitted for the project titled "Enhancement of Acelofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carrier" has been approved by our organization for possible funding of Rs. 1,30,000/-, as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Enhancement of Acelofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carrier	Mr.T.Sampath Kumar	1.5 Years

Thanking you,

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office,
Chennai,



PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Enhancement of Aceclofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carrier

research focuses on enhancing the dissolution rate of Aceclofenac, a non-steroidal anti-inflammatory drug (NSAID), through the use of solid dispersion techniques. Aceclofenac is widely used for its anti-inflammatory and analgesic properties, but its poor aqueous solubility limits its bioavailability and therapeutic efficacy. The objective of this study is to improve the dissolution rate and bioavailability of Aceclofenac by employing different carriers in the formulation of solid dispersions. The carriers explored include hydrophilic polymers such as polyethylene glycol (PEG), polyvinylpyrrolidone (PVP), and hydroxypropyl methylcellulose (HPMC), which enhance the solubility of the drug by forming a molecular dispersion. The solid dispersions are prepared using the solvent evaporation method, and the resulting formulations are characterized for their physical properties, drug content, and dissolution rate. In vitro dissolution studies are conducted to compare the release profile of Aceclofenac from the solid dispersion with that of the pure drug and conventional formulations. The expected outcome is a significant enhancement in the dissolution rate, leading to improved bioavailability and faster onset of therapeutic action. This research contributes to the development of more effective and efficient drug delivery systems for poorly soluble drugs like Aceclofenac.



PRINCIPAL.
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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “**Enhancement of Acelofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carrier**”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Researcher (Personnel)	15,000
2	Drugs and chemicals purchase	23,000
3	Method development	28,000
4	Qualitative and Quantitative analysis	54,000
5	Travel allowance	4,000
6	Miscellaneous	6,000
	Total	1,30,000 /-

Project Invigilator



Principal

PRINCIPAL.
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM -637301



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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

20.10.2021

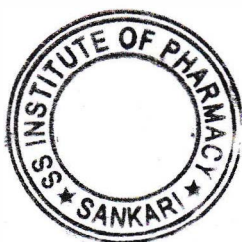
RESEARCH GRANT UTILISATION CERTIFICATE

To

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd, Corporate Office,
Chennai,
Tamil Nadu.

Subject: Financial assistance for project scheme-Reg

I hereby certify that amount of Rs. 1,30,000 (One Lakh Thirty Thousand) received as part of research grant from IMIS Pharmaceuticals Pvt Ltd, Corporate Office, Chennai, Tamilnadu was actually used by Mr. T. Sampath Kumar for conducting the minor research project titled *Enhancement of Aceclofenac Dissolution Rate Through Solid Dispersion Technique Utilizing Various Carrier.*



Place : Sankari

Date : 20.10.2021

Dr. C. Jothilmanivannan

Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Address: NO.261/127 1st Floor, Rohit Tower, Angappa
Naicken St, Parry's Corner, Chennai, Tamil Nadu
CIN: U24239AP1981PTC003079
Telephone: +91 866 4609214
Email: info@imispharma.com



To

17.03.2023

Mr. Sampath Kumar
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Sir,

Subject: Sincere Appreciation for the Successful Completion of *Enhancement of Aceclofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carriers*

On behalf of our company, I would like to express our sincere gratitude and extend warm congratulations on the successful completion of *Enhancement of Aceclofenac Dissolution Rate through Solid Dispersion Technique Utilizing Various Carriers*, made possible through your generous support.


Your invaluable contribution was instrumental in ensuring the smooth implementation of the project and the achievement of its core objectives. The success of this project stands as a testament not only to the hard work and dedication of the team but also to your continued commitment to fostering meaningful and lasting change.

We truly value the opportunity to have worked alongside you. Your support has left a tangible impact, and we look forward to exploring future opportunities for collaboration. Thank you once again for your trust, support, and belief in our shared mission.

Warm regards,

The Project Lead,
IMIS Pharmaceuticals Pvt Ltd,
Corporate Office, Chennai,




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KIIPANUR (PO), SANKARI (TK),
Salem - 637301.



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 23.09.2021

To

The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad,
Telangana.

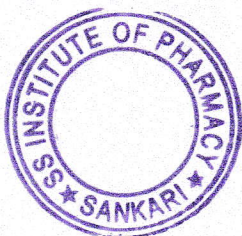
Dear Sir/Madam,

Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "Formulation of Phytosomes Loaded with Alcoholic Extract of Cardiospermum halicacabum–Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery" In association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Dr.C. Jothimanivannan/ Principal SSIP

Thanking You ,



[Signature]
PRINCIPAL.
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

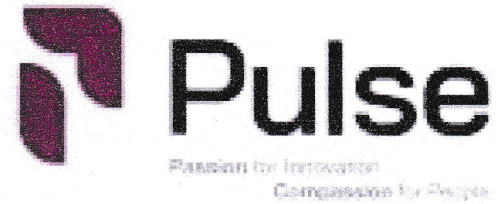
Address: Plot No. 18/1, Sector-III, HUDA Techno Enclave,
HITEC City, Hyderabad, Telangana 500081

CIN NO: U24239TG1997PTC026151

REG NO: 026151

Contact: 04027007049

Email: info@pulsepharma.net



Date : 13.10.2021

To

Dr. C.Jothimanivannan,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Sir

Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

We are pleased to inform you that the proposal submitted for the project titled "Formulation of Phytosomes Loaded with Alcoholic Extract of Cardiospermumhalicacabum–Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery" has been approved by our organization for possible funding of Rs. 1,75,000 as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Formulation of Phytosomes Loaded with Alcoholic Extract of Cardiospermumhalicacabum– Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery	Dr.C Jothimanivannan	2 Years

Thanking you,

The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad

**PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301**





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(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Formulation of Phytosomes Loaded with Alcoholic Extract of Cardiospermumhalicacabum–Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery

This research focuses on the formulation of phytosomes loaded with the alcoholic extract of cardiospermumhalicacabum, commonly known as balloon vine, combined with a soya lecithin phospholipid complex to enhance drug delivery. Phytosomes are a novel drug delivery system that improves the bioavailability of plant-based compounds by forming a complex with phospholipids, thereby enhancing their absorption and therapeutic efficacy. Cardiospermumhalicacabum is known for its anti-inflammatory and analgesic properties, making it a promising candidate for use in pain relief and inflammatory disorders. The formulation involves extracting the active phytoconstituents from cardiospermumhalicacabum and complexing them with soya lecithin to form phytosomes, which are then incorporated into a suitable dosage form. The phytosome formulation is evaluated for its particle size, zeta potential, and encapsulation efficiency, as well as its stability and in vitro release profile. The goal of this study is to demonstrate that the phytosome complex can improve the solubility, absorption, and bioavailability of the herbal extract, leading to enhanced therapeutic outcomes. This research provides a foundation for developing more effective plant-based drugs that can be used in modern medicine.



PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title **“Formulation of Phytosomes Loaded with Alcoholic Extract of Cardio spermum halica cabum - Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery”**

S.NO	DESCRIPTION	AMT IN RUPEES
1	Researcher (Personnel)	18,000
2	Planning and designing	17,000
3	Drugs and chemicals purchase	23,000
4	Method development	27,000
5	Qualitative and Quantitative analysis	57,000
6	Supervising and managing fee	22,000
7	Travel allowance	6,000
8	Miscellaneous	5,000
	Total	1,75,000 /-

Project Invigilator



Principal

PRINCIPAL.
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK).
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

08.12.2021

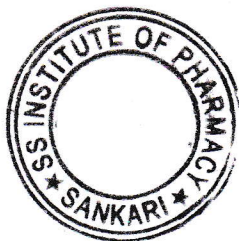
RESEARCH GRANT UTILISATION CERTIFICATE

To

The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad, Telangana.

Subject : Financial assistance for project scheme-Reg

I hereby certify that amount of Rs 1,75,000 (One Lakh Seventy-Five Thousand) received as part of research grant from The Research and Development Head, Pulse Pharmaceuticals Pvt Ltd, Hyderabad Telangana was actually used by Dr. C. Jothimanivannan for conducting the minor research project titled *Formulation of Phytosomes Loaded with Alcoholic Extract of Carcliospermum halicacabum Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery*.



Dr. C. Jothimanivannan

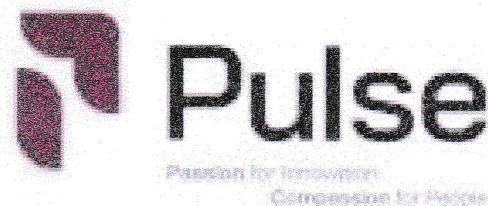
Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Place : Sankari

Date : 08.12.2021

Address: Plot No. 18/1, Sector-III, HUDA Techno Enclave,
HITEC City, Hyderabad, Telangana 500081
CIN NO: U24239TG1997PTC026151
REG NO: 026151
Contact: 04027007049
Email: info@pulsepharma.net



To

20.11.2023

Dr. C.Jothimanivannan,
Principal,
SS Institute of Pharmacy,
Sankari, Salem.

Subject: Gratitude for the Successful Completion of the Phytosome-Based Drug Delivery Project


Dear Sir,

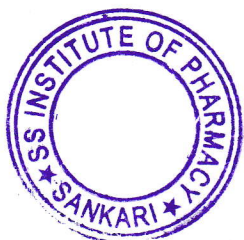
On behalf of our organization, I would like to express our sincere appreciation and warm congratulations on the successful completion of the project: *"Formulation of Phytosomes Loaded with Alcoholic Extract of Cardiospermum halicacabum – Soya Lecithin Phospholipid Complex for Enhanced Drug Delivery."*


This achievement was made possible through your generous support. Your invaluable contribution ensured the smooth execution of the project and the realization of all its key goals. This success stands as a reflection of both the dedication of our project team and your steadfast commitment to fostering innovation in drug delivery technologies.

We are truly grateful for the opportunity to partner with you. Your support has made a lasting impact, and we look forward to the possibility of future collaborations.

Warm regards,


The Research and Development Head,
Pulse Pharmaceuticals Pvt Ltd,
Hyderabad




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)


Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Formulation of Fast Dissolving Oral Thin Film of Atorvastatin Calcium

This research focuses on the formulation and evaluation of a fast-dissolving oral thin film of Atorvastatin Calcium, a widely prescribed lipid-lowering agent used in the management of hyperlipidemia and cardiovascular diseases. The goal of this project is to develop an innovative oral thin film that dissolves rapidly in the mouth, offering a convenient and patient-friendly alternative to conventional tablets. The oral thin film is particularly beneficial for patients who have difficulty swallowing pills or require a rapid onset of action. The formulation process involves selecting suitable film-forming polymers such as hydroxypropyl methylcellulose (HPMC) and polyvinyl alcohol (PVA) to ensure that the film has the desired mechanical strength, flexibility, and dissolution properties. The films are prepared using the solvent casting method, and various excipients like plasticizers, sweeteners, and flavoring agents are incorporated to enhance patient compliance. The prepared films are evaluated for thickness, uniformity, tensile strength, disintegration time, and drug release profile. In vitro dissolution studies are conducted to assess the rate of drug release from the thin film, and the results are compared with conventional oral dosage forms. The aim is to demonstrate that the fast-dissolving oral thin film provides a quicker onset of action and improved bioavailability, making it an effective and user-friendly dosage form for Atorvastatin Calcium.




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 05.12.2021

To

Ms. Anjali Sharma,
CEO,
Sterling Lab Pvt Ltd,
Hosur, Krishnagiri,
Tamil Nadu.

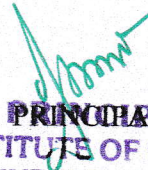
Dear Madam,

Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

his letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*Formulation of Fast Dissolving Oral Thin Film of Atorvastatin Calcium*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mr.S. Pravin Kumar, AP / SSIP

Thanking You


PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India
Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in

Address: 57, SIPCOT Industrial Complex, Hosur-635 126, India.
CIN: U73100DL1980PTC011137
REG NO: 11137
Contact No: +91-4344-276 071
Email: hosur.admin@sterling.com



Date : 29.12.2021

To

Mrs. S.Pravin Kumar
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

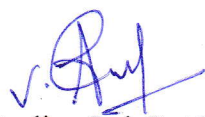
Dear Sir,

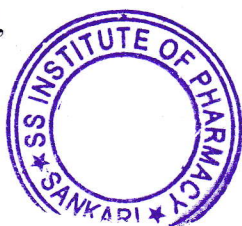
Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.


We are pleased to inform you that the proposal submitted for the project titled "*Formulation of Fast Dissolving Oral Thin Film of Atorvastatin Calcium*" of Rs. 1,00,000/- (One lakh) as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Formulation of Fast Dissolving Oral Thin Film of Atorvastatin Calcium	Mr. S.Pravin Kumar	1 year

Thanking you,


Sterling Lab Pvt Ltd,
Hosur, Krishnagiri,
Tamil Nadu.




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

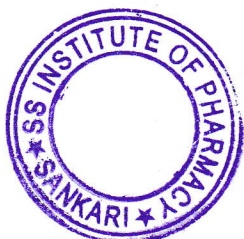
BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “**Formulation of Fast Dissolving Oral Thin Film of Atorvastatin Calcium**”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Planning and designing	12,000
2	Major purchasing component	19,000
3	Development fee	22,000
4	Analytical techniques	37,000
5	Supervising and Managing fee	5,500
6	Travel allowance	4,500
	Total	1,00,000 /-


Project Invigilator


Principal
PRINCIPAL,
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI
SALEM - 637301





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Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

09.02.2022

RESEARCH GRANT UTILISATION CERTIFICATE

To

Ms. Anjali Sharma, CEO,
Sterling Lab Pvt Ltd,
Hosur, Krishnagiri,
Tamil Nadu.

Subject : Financial assistance for project scheme-Reg

I hereby certify that amount of Rs 1,00,000 (One Lakh) received as part of research grant from The Sterling Lab Pvt Ltd, Hosur, Krishnagiri, Tamil Nadu was actually used by Mr.S. Pravin Kumar, for conducting the minor research project titled *Formulation Of Fast Dissolving Oral Thin Film Of Atorvastatin Calcium.*



Place : Sankari

Date : 09.02.2022

Dr.C.Jothimanivannan

Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Address: 57, SIPCOT Industrial Complex,
Hosur-635 126, India.
CIN: U73100DL1980PTC011137
REG NO: 11137
Contact No: +91-4344-276 071
Email: hosur.admin@sterling.com



To

16.01.2023

Mrs. S.Pravin Kumar
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Sir,

Subject: Appreciation for Successful Completion of

Formulation of Fast Dissolving Oral Thin Film of Atorvastatin Calcium


On behalf of our company, I would like to extend our heartfelt appreciation and sincere congratulations on the successful completion of the *Formulation of Fast Dissolving Oral Thin Film of Atorvastatin Calcium* funded through your generous support.

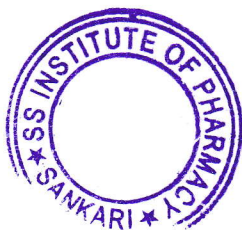
Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change.


We are deeply grateful for the opportunity to partner with you. Your support made a lasting difference, and we look forward to the possibility of future collaborations.

Once again, thank you for your belief in our mission and for helping us bring this vision to life.

Warm regards,


Sterling Lab Pvt Ltd,
Hosur, Krishnagiri,
Tamil Nadu.




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301.



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 09.01.2022

To

Managing Director,
Biomicon Pharma India,
Chennai,
Tamil Nadu.

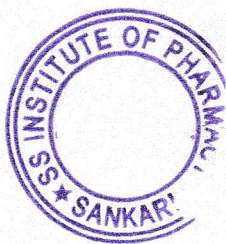
Dear Sir/Madam,

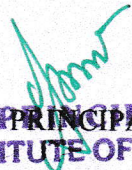
Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

This letter is to bring to your kind notice that we (SS Institute of Pharmacy, Salem) are involving our staff and students in research-oriented activities. In this regard, we kindly request your support and permission to undertake a consultancy-related project titled "*Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms*" in association with your esteemed organization. This collaboration will enrich our knowledge and foster the development of innovative ideas with social relevance.

Investigator: Mrs.K. Sowndharya, AP / SSIP

Thanking You ,




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301

Address: OLD NO. 18, NEW NO. 32 DR. AMBEDKAR ROAD,
KODAMBAKKAM, CHENNAI, Tamil Nadu, India - 600024.

CIN NO: U52100TN2012PTC086554

REG NO: 86554

Contact: 04423652388

Email: biomiicron@gmail.com

Biomiicron[®]
Pharma India Pvt.Ltd.

Date : 31.01.2022

To

Mrs.K.Sowndharya
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Sir,

Subject: Acceptance and Provision of Financial Assistance for Funded Project – Reg.

We are pleased to inform you that the proposal submitted for the project titled "Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms" has been approved by our organization for possible funding of Rs. 1,00,000, as the project appears to be innovative. We kindly request the Principal Investigator to submit the monthly report.


Project title	Principal Investigator	Project duration
Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms	Mrs.K.Sowndharya	1.5 Years

Thanking you,



Managing Director,
Biomicron Pharma India,
Chennai,




PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301.



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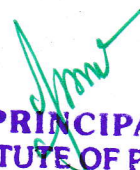
Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms

This research focuses on the development and validation of a robust high-performance liquid chromatography (HPLC) method for the quantitative determination of Nicorandil in oral solid dosage forms. Nicorandil is a potassium channel opener used in the treatment of angina, and accurate quantification is critical for ensuring its therapeutic efficacy and safety in tablet formulations. The objective of this study is to establish a precise, sensitive, and reproducible analytical method that complies with ICH (International Council for Harmonisation) guidelines for method validation. The HPLC method will be developed using a suitable mobile phase, column, and detection wavelength to achieve optimal separation and resolution. Key validation parameters, such as linearity, accuracy, precision, specificity, and limit of detection (LOD) and limit of quantification (LOQ), will be evaluated. The method will be applied to analyze the Nicorandil content in marketed tablet formulations and in-house formulations to verify its reliability and consistency. This validated method will ensure the quality control of Nicorandil-containing dosage forms, thereby contributing to the pharmaceutical industry's goal of delivering safe and effective medications to patients.




PRINCIPAL,
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301

NH-544, Kuppanur (Po), Sankari (Tk), Salem(Dt) – 637301, Tamilnadu, India

Phone : 04283 241080 | E-mail : ssip1718@gmail.com | Website : www.ssip.edu.in



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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title “**Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms**”

S.NO	DESCRIPTION	AMT IN RUPEES
1	Planning, designing analysis	14,000
2	Major Equipment and chemical	18,000
3	Method Development fee	24,000
4	Qualitative Analysis	34,000
5	Supervising and Managing fee	6,000
6	Travel allowance and Miscellaneous	4,000
	Total	1,00,000 /-

Project Invigilator



Principal

PRINCIPAL
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI
SALEM - 637301



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Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

06.04.2022

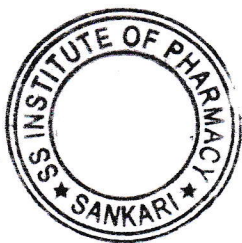
RESEARCH GRANT UTILISATION CERTIFICATE

To

Managing Director,
Biomicon Pharma India,
Chennai,
Tamil Nadu.

Subject : Financial assistance for project scheme-Reg

I hereby certify that amount of Rs 1,00,000 (One Lakh) received as part of research grant from The Sterling Lab Pvt Ltd, Hosur, Krishnagiri, Tamil Nadu was actually used by Mrs.K. Sowndharya, for conducting the minor research project titled ***"Development and Validation Of HPLC Method For Quantitative Determination Of Nicorandil In Oral Solid Dosage Forms"***



Place : Sankari

Date : 06.04.2022

Dr.C.Jothimanivannan

Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Address: OLD NO. 18, NEW NO. 32
DR. AMBEDKAR ROAD,
KODAMBAKKAM, CHENNAI,
Tamil Nadu, India - 600024.
CIN NO: U52100TN2012PTC086554
REG NO: 86554
Contact: 04423652388
Email: biomiicron@gmail.com

Biomiicron
Pharma India Pvt. Ltd.

To

15.08.2024

Mrs.K.Sowndharya
Assistant Professor,
SS Institute of Pharmacy,
Sankari, Salem.

Dear Mam,

Subject: Appreciation for Successful Completion of *Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms*

On behalf of Biomiicron, I would like to extend our heartfelt appreciation and sincere congratulations on the successful completion of the *Development and Validation of HPLC Method for Quantitative Determination of Nicorandil in Oral Solid Dosage Forms* funded through your generous support.

Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change.

We are deeply grateful for the opportunity to partner with you. Your support made a lasting difference, and we look forward to the possibility of future collaborations.

Once again, thank you for your belief in our mission and for helping us bring this vision to life.

Warm regards,

Managing Director,
Biomiicron Pharma India,
Chennai,



PRINCIPAL,
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 14.04.2022

To

Mr . Abdul Lathiff,
The Managing Director ,
Arbor pharmaceuticals ,
Trichy.

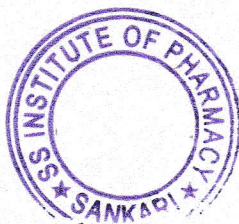
Dear Sir,

Sub: Request financial support and guidance for R&D work in Funded Project-Reg

This letter is to bring to your kind notice that we (SS Institute of pharmacy , Salem) are involving our staffs and students in the Research-oriented activities. In this regard, we request you to grant the permission to do the consultancy related project in the title "Biodegradable spoon with digestive benefits: A papain – Infused innovation " associated with your organization. So that, it will enrich our knowledge and develop innovative ideas of social relevance.

Investigator: Mr .T. Sampath kumar , AP / SSIP

Thanking You ,



Principal
PRINCIPAL.
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

Date : 28.04.2022

To

Mr .T. Sampath kumar ,
Assistant Professor ,
SS Institute of pharmacy ,
Sankari. Salem .

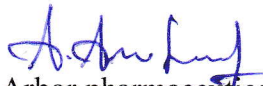
Dear sir ,

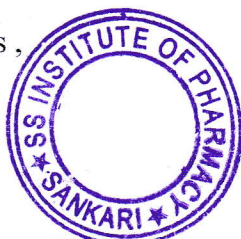
Subject : Acceptance and provision of financial assistants for funded project – Reg.

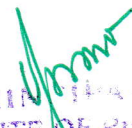
We are happy to intimate that the proposal submitted on project work titled '*Biodegradable spoon with digestive benefits : A papain – Infused innovation ' has been approved by our organization for possible funding of Rs. 1,03,000 / -(one lakh three thousand) as the project seems to be innovative. We request the Principal Investigator to submit the monthly report.

Project title	Principal Investigator	Project duration
Biodegradable spoon with digestive benefits : A papain – Infused innovation	Mr .T. Sampath kumar , AP / SSIP	1 years

Thanking you,


Arbor pharmaceuticals ,
Trichy.




PRINCIPAL
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

ABSTRACT

A Papain-Infused Innovation

This project aims to develop an eco-friendly biodegradable eating utensil with added health benefits by incorporating papain, a digestive enzyme derived from papaya. The research focuses on formulating the spoon using a blend of wheat flour and potato starch, materials known for their biodegradability. The inclusion of papain seeks to aid digestion by breaking down proteins when used in everyday dining. The study emphasizes the environmental impact of reducing plastic waste while promoting digestive health benefits. A key part of the research involves optimizing the mechanical strength and stability of the spoon, ensuring it can handle regular food consumption without losing its structural integrity. Various analytical methods such as tensile strength testing, biodegradability assays, and enzyme activity measurements will be employed to evaluate the spoon's performance. Market analysis will also be conducted to assess consumer interest in a functional, eco-friendly utensil. The results of this study aim to provide an innovative solution for reducing plastic waste while simultaneously promoting health, contributing to sustainability and wellness. This biodegradable spoon presents a practical approach to reducing the environmental footprint of disposable utensils while providing additional health benefits to users.



[Signature]
**PRINCIPAL,
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301**



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.


BUDGET DETAILS FOR THE PROPOSED PROJECTS

The following table shows the budget proposal for the funded projects title **“Biodegradable Spoon with Digestive Benefits: A Papain-Infused Innovation”**

S.NO	DESCRIPTION	AMT IN RUPEES
1	Researcher (Personnel)	13,500
2	Major Equipment and chemical Purchase	19,000
3	Method Development	25,000
4	Qualitative and quantitative Analysis	35,500
5	Supervising and Managing fee	5,500
6	Travel allowance and Miscellaneous	4,500
	Total	1,03,000 /-


Project Invigilator




Principal
PRINCIPAL
SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and Directorate of Medical Education, Chennai.

09.06.2022

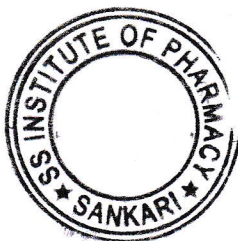
RESEARCH GRANT UTILISATION CERTIFICATE

To

Mr. Abdul Lathiff,
The Managing Director,
Arbor pharmaceuticals,
Trichy.

Subject: Financial assistance for project scheme-Reg

I hereby certify that amount of Rs 1,03,000 (One Lakh Three Thousand) received as part of research grant from Arbor pharmaceuticals, Trichy, Tamil Nadu was actually used by Mr. T. Sampath kumar, for conducting the minor research project titled "*Biodegradable Spoon With Digestive Benefits: A Papain – Infused Innovation*"



Place : Sankari

Date : 09.06.2022

Dr. C. Jothiramanivannan

Principal

SS INSTITUTE OF PHARMACY
KUPPANUR (PO), SANKARI (TK)
SALEM - 637301.

Address : 7A, ANANDHA NAGAR, CHERAN
SALAI, LICCOLONY, TRICHY-600021
CIN : U24110TN2013PTC091977
REG NO : 91977
PH No: 9788994167
Email : capanneerselvam@gmail.com



To

20.06.2023

Mr .T. Sampath kumar ,
Assistant Professor ,
SS Institute of pharmacy ,
Sankari, Salem .

Dear sir ,

**Subject : Appreciation for Successful Completion of Biodegradable spoon with digestive
benefits : A Papain-Infused Innovation**

On behalf of our Organization, I would like to extend our heartfelt appreciation and sincere congratulations on the successful completion of the project, funded through your generous support.


Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change.

We are deeply grateful for the opportunity to partner with you. Your support made a lasting difference, and we look forward to the possibility of future collaborations.


Once again, thank you for your belief in our mission and for helping us bring this vision to life.

Warm regards,

Thanking you,


Arbor Pharmaceuticals ,
Trichy.




PRINCIPAL.
SS INSTITUTE OF PHARMACY,
KUPPANUR (PO), SANKARI (TK),
SALEM - 637301