



# 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.

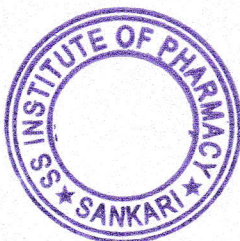
Dear Sir,

**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**





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## 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.



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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 “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**





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08.09.2022

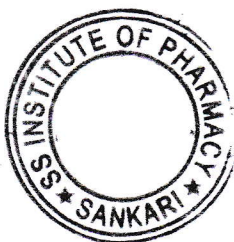
## RESEARCH GRANT UTILISATION CERTIFICATE

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 ,**

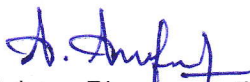
**Subject: Sincere Appreciation for the Successful Completion of the Nicotine Detection Kit**

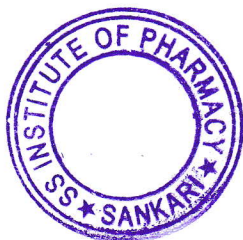
On behalf of our organization, I extend our heartfelt gratitude and warm congratulations on the successful completion of the Nicotine Detection Kit project—made possible through your generous support.


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,

  
Arbore Pharmaceuticals ,  
Trichy.



  
**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 : 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







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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**



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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 “**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.**





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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.

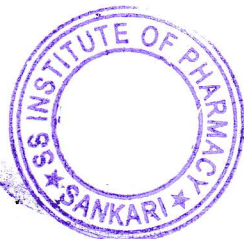
We are deeply grateful for the opportunity to partner with you. Your support made a lasting difference, and we look forward to the possibility of future collaborations. Once again, thank you for your belief in our mission and for helping us bring this vision to life.

Warm regards,



Managing Director,  
Biomiicron Pharma India,  
Chennai,

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







# SS INSTITUTE OF PHARMACY

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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.

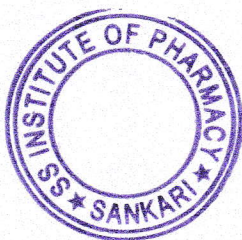
Dear Sir/Madam,

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 1<sup>st</sup> Floor, Rohit Tower, Angappa  
Naicken St, Parry's Corner, Chennai, Tamil Nadu  
CIN: U24239AP1981PTC003079  
Telephone: +91 866 4609214  
Email: [info@imispharma.com](mailto: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





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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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and The Directorate of Medical Education, Chennai.

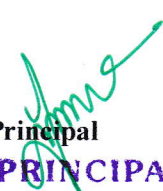
## BUDGET DETAILS FOR THE PROPOSED PROJECTS

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

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

11.01.2023

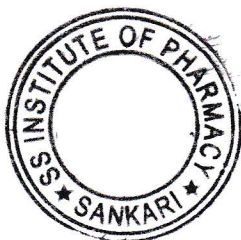
## RESEARCH GRANT UTILISATION CERTIFICATE

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 1'st Floor, Rohit Tower, Angappa  
Naicken St, Parry's Corner, Chennai, Tamil Nadu  
CIN: U24239AP1981PTC003079  
Telephone: +91 866 4609214  
Email: [info@imispharma.com](mailto: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





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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,

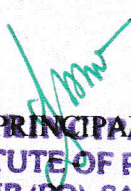
Sub: Request for Financial Support and Guidance for R&D Work in Funded Project - Reg

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](mailto: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
<b>The Potential Of Pirandai (CissusQuadrangularis) In Creating Medicinal Soaps For Sensitive Skin.</b>	Mrs. Vanitha SSIP	12 months

Thanking you,

  
Nanoceut Therapeutics Pvt Ltd,  
Puducherry.



  
**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

### **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**



# 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.

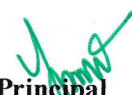
## BUDGET DETAILS FOR THE PROPOSED PROJECTS

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





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

20.03.2023

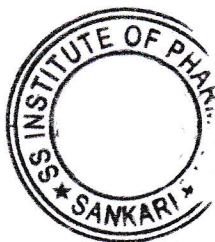
## RESEARCH GRANT UTILISATION CERTIFICATE

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](mailto: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.

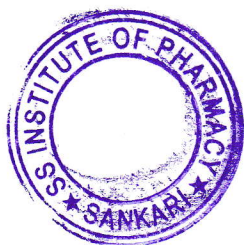
Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change.

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





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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 : 10.02.2023

To

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

Dear Sir/Madam,

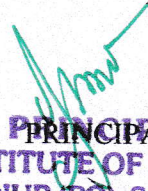
Sub: Request for Financial Support and Guidance for R&D Work in Funded Project – Reg

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

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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 : 27.02.2023

To

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

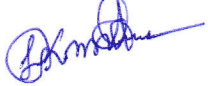
Dear Madam

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.





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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](mailto:ssip1718@gmail.com) | Website : [www.ssip.edu.in](http://www.ssip.edu.in)



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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 “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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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](mailto: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.

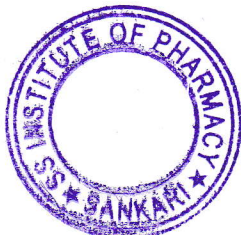
Thanks to your invaluable contribution, the project was implemented smoothly and met all of its key objectives. The success of this endeavor reflects not only the dedication and hard work of the project team but also your trust and commitment to empowering meaningful change.

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





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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,  
Nanocent Therapeutics Pvt Ltd,  
Puducherry.

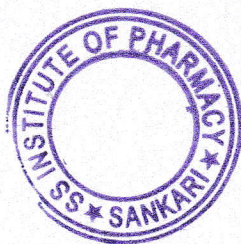
Dear Sir,

**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**





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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**





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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.



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

17.07.2023

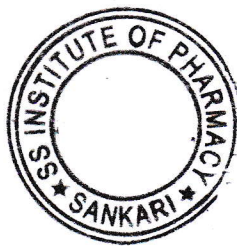
## RESEARCH GRANT UTILISATION CERTIFICATE

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](mailto: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**