



# 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



**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

A handwritten signature in black ink, appearing to read 'A. Arun'.

Arbour pharmaceuticals ,  
Trichy.



A handwritten signature in green ink, appearing to read 'S. Sankari', is written over the printed text.  
**PRINCIPAL,**  
**SS INSTITUTE OF PHARMACY**  
**KUPPANUR (PO), SANKARI TK,**  
**SALEM - 637301**





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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.**  
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**SALEM - 637301**



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

Date : 16.08.2022

To

Managing Director,  
Biomicron 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.



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KODAMBAKKAM , CHENNAI, Tamil Nadu, India - 600024.  
**CIN NO:** U52100TN2012PTC086554  
**REG NO:** 86554  
**Contact:** 04423652388  
**Email:** biomiicron@gmail.com

**Biomiicron**  
Pharma India Pvt.Ltd.

To

Dr.G.Sekar,  
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	Dr. G. Sekar	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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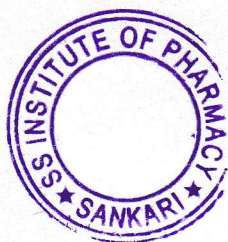
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,

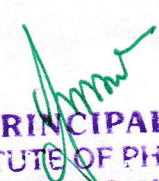
and The Directorate of Medical Education, Chennai.

## 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**





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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**

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



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**

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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)



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**  
**SALEM - 637301**



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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.

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**

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CIN: U24239AP1981PTC003079  
Telephone: +91 866 4609214  
Email: [info@imispharma.com](mailto:info@imispharma.com)



To

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

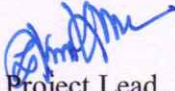
Dear Madam

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 (T.M)**  
**SALEM - 637301**





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and The Directorate of Medical Education, Chennai.

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## 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

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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



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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,  
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**



**Address:** R.S. No.104/19A, E V R STREET SEDARAPET  
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**REG NO :** 002523  
**Telephone:** +91 413 2677060  
**Email:** [accounts@nanocut.com](mailto:accounts@nanocut.com)



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,

Nanocut 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.**