



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 : 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



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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Email: hosur.admin@sterling.com



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.



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



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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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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

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CIN NO: U24233TN2015PTC100449
REG NO: 100449
Contact No: +91 44 2345 2030-34
Email: helpdesk@madraspharma.com



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



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KIJPPANUR (PO), SANKARI (TK),
Salem - 636001



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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.




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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 ,




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



To

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

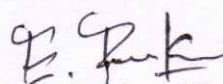
Dear Madam

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




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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.




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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,
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REG NO: 100449
Contact No: +91 44 2345 2030-34
Email: helpdesk@madraspharma.com



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



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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.




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