



# 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 : 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 ,



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SS INSTITUTE OF PHARMACY.  
KUPPANUR (PO), SANKARI (TK).  
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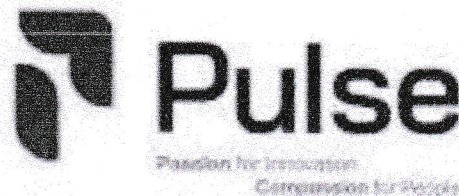
**Address:** Plot No. 18/1, Sector-III, HUDA Techno Enclave,  
HITEC City, Hyderabad, Telangana 500081

**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

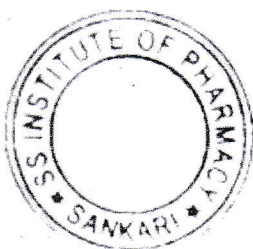
**Subject:** Acceptance and Provision of Financial Assistance for Funded Project – Reg.

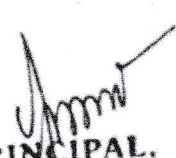
We are pleased to inform you that the proposal submitted for the project titled "Activated Charcoal Plus: Formulation and Evaluation for Poison Management" has been approved by our organization for possible funding of Rs. 1,75,000 as the project appears to be innovative. We kindly request the Principal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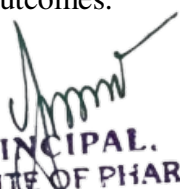
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## ABSTRACT

### **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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