Chhatrapati Shivaji Maharaj University
PANVEL, NAVI MUMBAI
Private University Estab. Under Act XXXII-2018 of Govt. of Mah.
Recognized by UGC.

27/01/23

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Akshay Meshram**, Assistant Professor, Department of Pharmacology, titled **"Assessment Of Medicinal Plants' Anxiolytic, Antidepressant, Anticonvulsant, And Nootropic Properties"** has been approved and sanctioned to be proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 6,00,000
2	Amount Sanction for the Project Completion	Rs 5,00,000
3	Amount Sanction after progress report submission	Rs 4,00,000
4	Principal Investigator	**Dr. Akshay Meshram** Assistant Professor Department of Pharmacology
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Authorized by:

Thanking You

Sanctioned Officer/seal

PRINCIPAL
ST WILFREDS INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Chhatrapati Shivaji Maharaj University
PANVEL, NAVI MUMBAI
Private University Estab. Under Act XXXII-2018 of Govt. of Mah.
Recognized by UGC.

23/01/24

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Vanita Kanase**, Professor, Department of Pharmacology, titled **"Assessment of the Immunomodulatory Effects of a Novel Medicinal Herbs"** has been approved and sanctioned to be Proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 7,00,000
2	Amount Sanction for the Project Completion	Rs 6,00,000
3	Amount Sanction after progress report submission	Rs 5,00,000
4	Principal Investigator	**Dr. Vanita Kanase** Professor Department of Pharmacology
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Thanking You

Authorized by

Sanctioned Officer/seal

PRINCIPAL
ST WILFREDS INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Chhatrapati Shivaji Maharaj University
PANVEL, NAVI MUMBAI
Private University Estab. Under Act XXXII-2018 of Govt. of Mah.
Recognized by UGC.

3/02/22

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Deenanath Jhade**, Professor, Department of Pharmacognosy, titled **"Using in vitro in vivo and metabolomics approaches, a phytopharmaceutical and synergy based combination of Boerhavia diffusa L and tinospora cordifolia L is being developed for chronic kidney diseases"** has been approved and sanctioned to be Proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 4,50,000
2	Amount Sanction for the Project Completion	Rs 3,00,000
3	Amount Sanction after progress report submission	Rs 2,50,000
4	Principal Investigator	**Dr. Deenanath Jhade** Professor Department of Pharmacognosy
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Thanking You

Authorized by

Sanctioned Officer/seal

PRINCIPAL
ST WILFREDS INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Chhatrapati Shivaji Maharaj University
PANVEL, NAVI MUMBAI
Private University Estab. Under Act XXXII-2018 of Govt. of Mah.
Recognized by UGC.

29/07/21

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Sanchita Mandal**, Professor, Department of Pharmaceutics, titled **"Formulation and Evaluation of Novel Ophthalmic Drug Delivery System"** has been approved and sanctioned to be Proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 3,00,000
2	Amount Sanction for the Project Completion	Rs 2,00,000
3	Amount Sanction after progress report submission	Rs 1,00,000
4	Principal Investigator	**Dr. Sanchita Mandal** Professor Department of Pharmaceutics
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Thanking You

Authorized by

Sanctioned Officer/seal

PRINCIPAL
ST WILFREDS INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Chhatrapati Shivaji Maharaj University
PANVEL, NAVI MUMBAI
Private University Estab. Under Act XXXII-2018 of Govt. of Mah.
Recognized by UGC

21/08/21

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Sanchita Mandal**, Professor, Department of Pharmaceutics, titled **"Formulation and Development of Effervescent system for Antihistamine Drugs"** has been approved and sanctioned to be Proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 2,00,000
2	Amount Sanction for the Project Completion	Rs 1,00,000
3	Amount Sanction after progress report submission	Rs 1,00,000
4	Principal Investigator	**Dr. Sanchita Mandal** Professor Department of Pharmaceutics
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Thanking You

Authorized by

Sanctioned Officer/seal

PRINCIPAL
ST WILFREDS INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Chhatrapati Shivaji Maharaj University
PANVEL, NAVI MUMBAI
Private University Estab. Under Act XXXII-2018 of Govt. of Mah.
Recognized by UGC

12/07/22

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Deenanath Jhade**, Professor, Department of Pharmacognosy, titled **"Development of a topical herbal formulation for wound healing from selected drug of Centella Asiatica"** has been approved and sanctioned to be Proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 3,00,000
2	Amount Sanction for the Project Completion	Rs 2,00,000
3	Amount Sanction after progress report submission	Rs 1,00,000
4	Principal Investigator	**Dr. Deenanath Jhade** Professor Department of Pharmacognosy
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Thanking You

Authorized by

Sanctioned Officer/seal

PRINCIPAL
ST WILFREDS INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Chhatrapati Shivaji Maharaj University
PANVEL, NAVI MUMBAI
Private University Estab. Under Act XXXII-2018 of Govt. of Mah.
Recognized by UGC

03/08/22

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Deenanath Jhade**, Professor, Department of Pharmacognosy, titled **"Assessment and Development of a herbal formulation for Acne treatment"** has been approved and sanctioned to be Proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 2,50,000
2	Amount Sanction for the Project Completion	Rs 1,50,000
3	Amount Sanction after progress report submission	Rs 1,00,000
4	Principal Investigator	**Dr. Deenanath Jhade** Professor Department of Pharmacognosy
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Thanking You

Authorized by

Sanctioned Officer/seal

PRINCIPAL
ST WILFREDS INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

IDEAL COLLEGE OF PHARMACY
Affiliated to Mumbai University and Governed by Ideal Foundation
Pimplaj Road, Village Posheri, Taluka Wada, District Palghar- Maharashtra

Date: 10/07/20

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Deenanath Jhade**, Assistant Professor, Department of Pharmacognosy, titled **"Comparative Pharmacognostical Photochemical in vitro Screening of Antidiabetic activities of Monochoria species"** has been approved and sanctioned to be proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 2,00,000
2	Amount Sanction for the Project Completion	Rs 1,00,000
3	Amount Sanction after progress report submission	Rs 1,00,000
4	Principal Investigator	**Dr. Deenanath Jhade** Professor Department of Pharmacognosy
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Authorized by:

Thanking You

Sanctioned Officer/Ideal

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

IDEAL COLLEGE OF PHARMACY
Affiliated to Mumbai University and Governed by Ideal Foundation
Pimplaj Road, Village Posheri, Taluka Wada, District Palghar- Maharashtra

Date: 24/09/20

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Sanchita Mandal**, Assistant Professor, Department of Pharmaceutics, titled **"Formulation and Evaluation of topical liposomal gel for management of acne"** has been approved and sanctioned to be proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 2,00,000
2	Amount Sanction for the Project Completion	Rs 1,00,000
3	Amount Sanction after progress report submission	Rs 1,00,000
4	Principal Investigator	**Dr. Sanchita Mandal**, Professor Department of Pharmaceutics
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Authorized by:

Thanking You

Sanctioned Officer/Ideal

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

IDEAL COLLEGE OF PHARMACY
Affiliated to Mumbai University and Governed by Ideal Foundation
Pimplaj Road, Village Posheri, Taluka Wada, District Palghar- Maharashtra

Date: 18/07/19

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Sanchita Mandal**, Professor, Department of Pharmaceutics, titled **"Formulation and Evaluation of Novel topical formulation based on surfactants for Antifungal treatment"** has been approved and sanctioned to be proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 3,00,000
2	Amount Sanction for the Project Completion	Rs 2,00,000
3	Amount Sanction after progress report submission	Rs 1,00,000
4	Principal Investigator	**Dr. Sanchita Mandal**, Professor Department of Pharmaceutics
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Authorized by:

Thanking You

Sanctioned Officer/Ideal

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

IDEAL COLLEGE OF PHARMACY
Affiliated to Mumbai University and Governed by Ideal Foundation
Pimplaj Road, Village Posheri, Taluka Wada, District Palghar- Maharashtra

Date: 25/06/19

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Deenanath Jhade**, Professor, Department of Pharmacognosy, titled **"A Phytochemical and Pharmacological Pharmacognostic analysis of Ampelocissus Latifoliaroxb "** has been approved and sanctioned to be proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 2,50,000
2	Amount Sanction for the Project Completion	Rs 1,50,000
3	Amount Sanction after progress report submission	Rs 1,00,000
4	Principal Investigator	**Dr. Deenanath Jhade**, Professor Department of Pharmaceutics
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Authorized by:

Thanking You

Sanctioned Officer/seal

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

IDEAL COLLEGE OF PHARMACY
Affiliated to Mumbai University and Governed by Ideal Foundation
Pimplaj Road, Village Posheri, Taluka Wada, District Palghar- Maharashtra

Date: 27/07/18

To

The Principal

St.Wilfreds Institute Of Pharmacy

Panvel

Dear Sir/Madam,

Subject: Intimation of research Project approval

We are pleased to inform you that the project proposal submitted by **Dr. Uma Patil**, Professor, Department of Pharmaceutics, titled **"Development and Evaluation of Nano-ocular formulation for glaucoma"** has been approved and sanctioned to be proceeded and completed on the following lines:

S.NO	Particulars	Amount
1	Total Cost of the Proposed Project	Rs 2,00,000
2	Amount Sanction for the Project Completion	Rs 1,00,000
3	Amount Sanction after progress report submission	Rs 1,00,000
4	Principal Investigator	**Dr. Uma Patil**, Professor Department of Pharmaceutics
5	Duration of the Project	2 Years

- The Principal investor should complete the project in the stipulated duration.
- The Project report with analysis should be submitted to the company with appropriate signatures from the university authorities.
- The Project sanctioned amount will be deposited to the university bank account only.
- The Principal investigator/any Project Assistant are not eligible for any additional Claims.
- A final copy should be hardbound and submitted with all necessary acknowledgements from the concerned authorities of the university

Authorized by:

Thanking You

Sanctioned Officer/seal

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

PROJECT REPORT

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

Project Title: A Phytochemical and Pharmacological Pharmacognostic Analysis ofAmpelocissus Latifolia Roxb

Principal Investigator: Dr. Deenanath Jhade, Professor, Department of Pharmacognosy

Funding Details:

Total Cost of the Proposed Project: Rs. 2,50,000

Amount Sanctioned for Project Completion: Rs. 1,50,000

Amount Sanctioned after Progress Report Submission: Rs. 1,00,000

Project Duration: 2 Years

Objectives:

Conduct a detailed phytochemical analysis of Ampelocissus Latifolia Roxb.

Evaluate the pharmacological potential of the plant, focusing on its anti-inflammatory, antioxidant, and antimicrobial activities.

Investigate the safety and tolerability of the plant extracts in animal models.Methodology:
Collection and authentication of the plant material.

Extraction and fractionation of the plant material using various solvents.

Phytochemical screening and characterization of the plant extracts using chromatographic and spectroscopic techniques.

Evaluation of the anti-inflammatory, antioxidant, and antimicrobial activities of theplant extracts in vitro.

Safety and tolerability assessment of the plant extracts in animal models. Progress Report:
Completed collection and authentication of the plant material.Extraction and

fractionation of the plant material are ongoing.

Next Steps:

Complete extraction and fractionation of the plant material.

Perform phytochemical screening and characterization of the plant extracts.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Conduct in vitro pharmacological activities assessment.

Evaluate the safety and tolerability of the plant extracts in animal models.Analyze the results and prepare the final project report.

Costing pattern:

Purchasing of medicinal Plants:55000

Reagents and chemicals: 150000

Equipments : 100000

Documentation: 10000

Miscellaneous:35000

Conclusion:

The project is progressing as planned, with successful collection and authentication ofthe plant material. We expect to achieve the proposed objectives within the stipulated 2-year duration, leading to a comprehensive understanding of the phytochemical and pharmacological properties of Ampelocissus Latifolia Roxb.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

Project Title: Formulation and Development of Effervescent System for Antihistamine Drugs

Principal Investigator: Dr. Sanchita Mandal, Professor, Department of Pharmaceutics

Funding Details:

Total Cost of the Proposed Project: Rs. 2,00,000

Amount Sanctioned for Project Completion: Rs. 1,00,000

Amount Sanctioned after Progress Report Submission: Rs. 1,00,000Project

Duration: 2 Years

Objectives:

Develop an effervescent drug delivery system for antihistamine drugs to improve theirbioavailability and patient compliance.

Evaluate the physicochemical properties, stability, and drug release profiles of theeffervescent formulations.
Assess the in vivo performance and therapeutic efficacy of the effervescentantihistamine system in animal models.
Investigate the safety and tolerability of the effervescent system in animal models.

Methodology:

Selection and optimization of effervescent system components, such as acids, bases,and excipients.

Formulation of effervescent antihistamine systems using optimized components.

Characterization of the formulations for drug content, effervescence time, pH, andstability.
In vitro drug release studies in simulated saliva and comparison with conventional oraldosage forms.

In vivo performance evaluation in animal models, including pharmacokinetic and pharmacodynamic studies.

Safety and tolerability assessment through acute and chronic toxicity studies in animalmodels.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Progress Report:

Optimized components for the effervescent drug delivery system.

Formulated effervescent antihistamine systems and characterized theirphysicochemical properties.

Completed in vitro drug release studies and compared the results with conventionaldosage forms.

Costing pattern:

Purchasing of medicinal Plants:55000

Reagents and chemicals: 150000

Equipments : 100000

Documentation: 10000

Miscellaneous:35000

Next Steps:

Perform in vivo studies in animal models to assess pharmacokinetics,pharmacodynamics, and therapeutic efficacy.
Conduct safety and tolerability studies in animal models to support the potential use ofthe effervescent system.
Finalize the formulation and prepare for scale-up and further preclinical and clinicalevaluations.

Conclusion:

The project has progressed well, with the successful development and initial characterization of an effervescent drug delivery system for antihistamine drugs. Weanticipate completing the proposed objectives within the stipulated 2-year duration,leading to the development of an advanced oral formulation with improved bioavailability and patient compliance.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

Project Title: Assessment and Development of a Herbal Formulation for AcneTreatment

Principal Investigator: Dr. Deenanath Jhade, Professor, Department of Pharmacognosy

Funding Details:

Total Cost of the Proposed Project: Rs. 2,50,000

Amount Sanctioned for Project Completion: Rs. 1,50,000

Amount Sanctioned after Progress Report Submission: Rs. 1,00,000Project

Duration: 2 Years

Objectives:

Assess the anti-acne potential of selected medicinal plants and their bioactive compounds.

Develop a herbal formulation for acne treatment using the most promising plantextracts.

Evaluate the physicochemical properties, stability, and drug release profiles of theformulation.

Assess the in vitro and in vivo anti-acne efficacy of the herbal formulation. Investigate the safety and tolerability of the herbal formulation in animal models.**Methodology**:

Screening of medicinal plants for their anti-acne potential using in vitro assays, such asantibacterial and anti-inflammatory activity.

Selection of the most promising plant extracts for formulation development.Formulation of a herbal gel or cream using the selected plant extracts.

Characterization of the formulation for drug content, consistency, pH, and stability.In vitro drug release studies using artificial membranes.

In vitro and in vivo anti-acne efficacy assessment using suitable models, such asantibacterial and anti-inflammatory activity studies, as well as animal models.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Safety and tolerability studies, including skin irritation and histopathologicalexaminations in animal models.

Progress Report:

Completed screening and selection of medicinal plants with promising anti-acnepotential.

Developed a herbal gel formulation using the selected plant extracts.

Ongoing characterization of the formulation for physicochemical properties andstability.

Next Steps:

Complete characterization of the formulation.Conduct in

vitro drug release studies.

Assess the in vitro and in vivo anti-acne efficacy of the herbal formulation.Perform

safety and tolerability studies in animal models.

Finalize the formulation and prepare for scale-up and further preclinical and clinicalevaluations.

Conclusion:

The project is progressing well, with the successful screening of medicinal plants for anti-acne potential and the development of a herbal gel formulation. We anticipate completing the proposed objectives within the stipulated 2-year duration, leading to thedevelopment of an effective and safe herbal remedy for acne treatment.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

Project Title: Assessment of the Immunomodulatory Effects of Novel Medicinal Herbs

Principal Investigator: Dr.Vanita Kanase, Professor, Department of Pharmacology

Funding Details:

Total Cost of the Proposed Project:Rs.7,00,000

Amount Sanctioned for Project Completion:Rs.6,00,000
Amount Sanctioned after Progress Report Submission:Rs.5,00,000

Project Duration:2Years

Objectives:
Evaluate the immunomodulatory effects of selected novel medicinal herbs.

Identify bioactive compounds responsible for these therapeutic effects.

Investigate the molecular mechanisms underlying the observed immunomodulatory activities.

Assess the potential for developing novel phyto pharmaceuticals with immunomodulatory properties.

Methodology:

Selection of novel medicinal herbs based on traditional usage and existing scientific literature.

Extraction and characterization of bioactive compounds from these elected plants.

In vitro assessment of immunomodulatory activities using relevant cellular model sand biochemical assays.

In vivo evaluation of the immunomodulatory effects of these medicinal herbs using animal models.

Meta bolomics analysis to identify key metabolites and pathways associated with the observed immunomodulatory activities.

Progress Report:

Selected three novel medicinal herbs with potential immunomodulatory properties.

Complete dextraction and characterization of bioactive compounds from these plants.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

In vitro assessment of immunomodulatory activities using relevant cellular model sand biochemical assays is ongoing.

Next Steps:

Complete the in vitro evaluation of immunomodulatory activities.

Conduct in vivo studies in animal models t o assess the immunomodulatory effects of these medicinal herbs.

Perform metabolomics analysis to identify key metabolites and pathways in volved in the observed immunomodulatory activities.

Conclusion:

The project is progressing as planned, and we anticipate completing the proposed objectives within the stipulated2-year duration. The findings from this study will
Contribute to the development of novel phyto pharmaceuticals with immunomodulatory properties, addressing the growing need for safe and effective therapies in this area.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

Project Title: Comparative Pharmacognostical Photochemical in vitro screening of Ant diabetic Activities of Monochoria Species

Principal Investigator: Dr. Deenanath Jhade, Professor, Department of Pharmacognosy

Funding Details:

Total Cost of the Proposed Project: Rs.2,00,000

Amount Sanctioned for Project Completion:Rs.1,00,000

Amount Sanctioned after Progress Report Submission: Rs.1,00,000

Project Duration: 2Years

Objectives:

Compare the pharmacognostical and phytochemical profiles of different Monochoria species.

Screen the anti diabetic potential of various Monochoria species using in vitro assays, such as alpha-amylase and alpha-glucosidase inhibition.

Identify the most active Monochoria species and isolate the bioactive compounds responsible for antidiabetic activity.

Evaluate the safety and tolerability of the selected Monochoria species and their bioactive compounds.

Methodology:

Collection and authentication of various Monochoria species. Pharmacognostical and phytochemical characterization of the selected species.

In vitro antidiabetic activity screening using enzyme inhibition assays (alpha-amylase and alpha-glucosidase).

Isolation and identification of bioactive compounds from the most active Monochoria species.

Safety and tolerability assessment of the selected species and their bioactive compounds using in vitro and in vivo models.

Progress Report:

Completed collection and authentication of different Monochoria species.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Pharmacognostical and phytochemical characterization of the selected species is ongoing.

Next Steps:

Complete pharmacognostical and phytochemical characterization of the selected species.

Conduct in vitro antidiabetic activity screening using enzyme inhibition assays.

Identify the most active Monochoria species and isolate their bioactive compounds.

Perform safety and tolerability studies for these lectedspecies and bioactive compounds.
Analyze the results and prepare the final project report.

Conclusion:

The project is progressing as planned, with successful collection and authentication of different Monochoria species. We anticipate completing the proposed objectives within the stipulated2-year duration, leading to the identification of potential antidiabetic agents from Monochoria species for further research and development.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

Project Title: Comparative Pharmacognostical Photochemical in vitro Screening ofAntidiabetic Activities of Monochoria Species

Principal Investigator: Dr. Deenanath Jhade, Professor, Department of PharmacognosyFunding

Details:

Total Cost of the Proposed Project: Rs. 2,00,000

Amount Sanctioned for Project Completion: Rs. 1,00,000

Amount Sanctioned after Progress Report Submission: Rs. 1,00,000Project

Duration: 2 Years

Objectives:

Compare the pharmacognostical and phytochemical profiles of different Monochoriaspecies.

Screen the antidiabetic potential of various Monochoria species using in vitro assays,such as α-amylase and α-glucosidase inhibition.
Identify the most active Monochoria species and isolate the bioactive compoundsresponsible for antidiabetic activity.
Evaluate the safety and tolerability of the selected Monochoria species and theirbioactive compounds.
Methodology:

Collection and authentication of various Monochoria species. Pharmacognostical and

phytochemical characterization of the selected species.

In vitro antidiabetic activity screening using enzyme inhibition assays (α-amylase and α-glucosidase).

Isolation and identification of bioactive compounds from the most active Monochoriaspecies.

Safety and tolerability assessment of the selected species and their bioactivecompounds using in vitro and in vivo models.

Progress Report:

Collected and authenticated different Monochoria species.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Completed pharmacognostical and phytochemical characterization of the selectedspecies. Ongoing in vitro antidiabetic activity screening using enzyme inhibition assays.Next Steps:

Complete the in vitro antidiabetic activity screening.

Identify the most active Monochoria species and isolate their bioactive compounds.

Conduct safety and tolerability studies for the selected species and bioactivecompounds. Analyze the results and prepare the final project report.Conclusion:

The project is on track, with successful collection, authentication, and characterizationof different Monochoria species. We anticipate completing the proposed objectives within the stipulated 2-year duration, leading to the identification of potential
antidiabetic agents from Monochoria species.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

Project Title: Assessment of Medicinal Plants' Anxiolytic, Antidepressant, Anticonvulsant, and Nootropic Properties

Principal Investigator: Dr.Akshay Meshram, Assistant Professor, Departmentof Pharmacology

Funding Details:

Total Cost of the Proposed Project:Rs.6,00,000

Amount Sanctioned for Project Completion:Rs.5,00,000

Amount Sanctioned after Progress Report Submission:Rs.4,00,000 Project

Duration:2Years

Objectives:

Evaluate the anxiolytic, antidepressant, anticonvulsant, and nootropic properties of selected medicinal plants.

Identify bioactive compounds responsible for these therapeutic effects.

Investigate the molecular mechanisms underlying the observed pharmacological activities.
Assess the potential for developing ovel phytopharmaceuticals targeting mental health conditions.

Methodology:

Select ion of medicinal plants based on traditional usage and existing scientific literature.

Extraction and characterization of bioactive compounds from the selected plants.

In vitro assessment of anxiolytic, antidepressant, anticonvulsant, andnootropic activities using relevant cellular models and biochemical assays.

In vivo evaluation of these therapeutic effects in animal models of anxiety, depression, epilepsy, and cognitive impairment.
Metabolomics analysis to identify key metabolites and pathways associated with the observed pharmacological activities.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Progress Report:

Selected five medicinal plants with potential anxiolytic, antidepressant, anticonvulsant, and nootropic properties.

Completed extraction and characterization of bioactive compounds from these plants.

Invitroassessmentoftherapeuticactivitiesusingrelevantcellularmodels and biochemical assays is ongoing.

Next Steps:

Complete the in vitro evaluation of anxiolytic, antidepressant, anticonvulsant, and nootropic activities.

Conduct in vivo studies in animal models of anxiety, depression, epilepsy, and cognitive impairment.

Perform metabolomics analysis to identify key metabolites and pathways involved in the observed pharmacological activities.

Conclusion:

The project is progressing as planned, and we anticipate completing the proposed objectives within the stipulated2-year duration. The findings from this study will

Contribute to the development of novel phytopharmaceuticals targeting mental health conditions, thus addressing the growing need for safe and effective therapies in this area.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

Project Title: Development and Evaluation of Nano-ocular Formulation for Glaucoma

Principal Investigator: Dr. Uma Patil, Professor, Department of Pharmaceutics

Funding Details:

Total Cost of the Proposed Project: Rs. 2,00,000

Amount Sanctioned for Project Completion: Rs. 1,00,000

Amount Sanctioned after Progress Report Submission: Rs. 1,00,000Project

Duration: 2 Years

Objectives:

Develop a nano-ocular formulation for the effective delivery of antiglaucoma drugs.

Evaluate the physicochemical properties, stability, and drug release profiles of theformulation.

Assess the in vitro and in vivo efficacy of the nano-ocular formulation in reducingintraocular pressure.

Investigate the safety and tolerability of the nano-ocular formulation in animal models.

Methodology:

Selection and optimization of nanocarrier systems for the formulation. Preparation of the nano-ocular formulation with the chosen antiglaucoma drug.Physicochemical characterization and stability studies of the formulation.

In vitro drug release studies using appropriate methods.

In vivo efficacy assessment in animal models with induced glaucoma, includingintraocular pressure measurement and histopathological analysis.

Safety and tolerability evaluation through ocular irritation and systemic toxicity studiesin animal models.

Progress Report:

Completed selection and optimization of nanocarrier systems for the formulation.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Formulation development and preliminary physicochemical characterization areongoing.

Next Steps:

Complete physicochemical characterization and stability studies.Conduct in vitro

drug release studies.

Evaluate in vivo efficacy and safety of the nano-ocular formulation.Analyze the

results and prepare the final project report.

Conclusion:

The project is progressing well, with successful selection and optimization of nanocarrier systems for the formulation. We expect to achieve the proposed objectiveswithin the stipulated 2-year duration, contributing to the development of an effective and safe nano-ocular formulation for improved glaucoma treatment.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Project Title: Formulation and Evaluation of Novel Topical Formulation Based onSurfactants for Antifungal Treatment

Principal Investigator: Dr. Sanchita Mandal, Professor, Department of PharmaceuticsFunding

Details:

Total Cost of the Proposed Project: Rs. 3,00,000

Amount Sanctioned for Project Completion: Rs. 2,00,000

Amount Sanctioned after Progress Report Submission: Rs. 1,00,000Project

Duration: 2 Years

Objectives:

Develop a novel topical formulation using surfactants as a delivery system for antifungaldrugs.

Evaluate the physicochemical properties of the formulation, including stability,viscosity, and drug content.

Investigate the in vitro antifungal activity of the formulation against various fungalstrains.

Conduct in vivo studies to assess the efficacy and safety of the formulation in anappropriate animal model.

Methodology:

Selection and optimization of surfactants for the formulation. Preparation of the

antifungal drug-loaded surfactant-based formulation.

Physicochemical characterization of the formulation, including stability, viscosity, anddrug content determination.

In vitro antifungal activity assessment against fungal strains using broth dilution and/oragar diffusion methods.

In vivo efficacy and safety evaluation of the formulation using an appropriate animalmodel.

Progress Report:

Completed selection and optimization of surfactants for the formulation.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Formulation development and preliminary physicochemical characterization areongoing.

Next Steps:

Complete the physicochemical characterization of the formulation.Conduct

in vitro antifungal activity studies.

Perform in vivo efficacy and safety assessment. Analyze the

results and prepare the final project report.

Conclusion:

The project is progressing as planned, with successful selection and optimization of surfactants for the formulation. We expect to achieve the proposed objectives within the stipulated 2-year duration, leading to the development of a safe and effective surfactant-based antifungal topical formulation for improved treatment outcomes.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

Project Title: Development of a Topical Herbal Formulation for Wound Healing fromSelected Drug of Centella Asiatica

Principal Investigator: Dr. Deenanath Jhade, Professor, Department of Pharmacognosy

Funding Details:

Total Cost of the Proposed Project: Rs. 3,00,000
Amount Sanctioned for Project Completion: Rs. 2,00,000
Amount Sanctioned after Progress Report Submission: Rs. 1,00,000Project

Duration: 2 Years

Objectives:

Develop a topical herbal formulation from Centella Asiatica for wound healing. Evaluate the physicochemical properties and stability of the developed formulation.Assess the in vitro drug release and in vivo wound healing efficacy in animal models.Investigate the safety and tolerability of the topical herbal formulation.

Methodology:

Extraction and characterization of bioactive compounds from Centella Asiatica.

Formulation of the herbal topical preparation, such as a gel or ointment.

Characterization of the formulation for drug content, consistency, pH, and stability.In vitro drug release studies using artificial membranes.

In vivo wound healing efficacy evaluation in animal models, including measurement ofwound closure rate, re-epithelialization, and collagen deposition.

Safety and tolerability assessment through skin irritation and histopathological studiesin animal models.

Progress Report:

Completed extraction and characterization of bioactive compounds from CentellaAsiatica.

Developed a herbal gel formulation and characterized its physicochemical properties.In vitro drug release studies using artificial membranes are ongoing.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

Next Steps:

Complete the in vitro drug release studies.

Conduct in vivo studies in animal models to evaluate wound healing efficacy.Perform safety and tolerability studies in animal models.

Finalize the formulation and prepare for scale-up and further preclinical and clinicalevaluations.

Conclusion:

The project is progressing well, with the successful development of a topical herbal gelformulation from Centella Asiatica. We anticipate completing the proposed objectiveswithin the stipulated 2-year duration, leading to the development of an effective and safe herbal remedy for wound healing.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

ST. WILFRED'S INSTITUTE OF PHARMACY

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra
Near Shedung Toll Plaza, Old Mumbai Pune Highway, Shedung, Panvel-410206

Project Title: Formulation and Evaluation of Novel Ophthalmic Drug Delivery System

Principal Investigator: Dr. Sanchita Mandal, Professor, Department Of Pharmaceutics

Funding Details:

Total Cost of the Proposed Project:Rs.3,00,000
Amount Sanctioned for Project Completion:Rs.2,00,000
Amount Sanctioned after Progress Report Submission: Rs. 1,00,000

Project Duration: 2Years

Objectives:

1.Develop a novel ophthalmic drug delivery system for improved bioavailability and therapeutic efficacy.
2.Evaluate the physicochemical properties and stability of the developed formulations.
3.Assess the in vitro drug release and in vivo performance of the formulations in animal models.
4.Investigate the safety and tolerability of the novel ophthalmic drug delivery system.

Methodology:

1.Selection and optimization of drug delivery system components, such as polymers, surfactants, and stabilizers.
2.Formulation of drug-loaded ophthalmic drug delivery systems using optimized components.
3.Characterization of the formulations for particle size, zeta potential, drug loading, and encapsulation efficiency.
4.Invitro drug release studies in simulated tear fluid and Comparison with conventional ophthalmic formulations.
5.In vivo performance evaluation in animal models, including pharmacokinetic and pharmacodynamic studies.

PRINCIPAL
ST. WILFRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

1.Selection and optimization of drug delivery system components, such as polymers, surfactants, and stabilizers.

	2.Formulation of drug-loaded ophthalmic drug delivery systems using optimized components.
	3.Characterization of the formulations for particlesize,zeta potential, drug loading, and encapsulation efficiency.
	4.In vitro drug release studies in simulated tear fluid and Comparison with conventional ophthalmic formulations.
	5.In vivo performance evaluation in animal models,including pharmacokinetic and pharmacodynamic studies.

PROGRESS REPORT:

1.Optimized components for the novel ophthalmic drug delivery system.
2.Formulated drug-loaded ophthalmic r drug delivery system s and characterized their physicochemical properties.
3.Completed invitro drug release studies and compared the results with conventional formulations.

NEXT STEP:

1.Perform in vivo studies in animal models to assess pharmacokinetics, pharmacodynamics, and therapeutic efficacy.
2.Conduct safety and tolerability studies to support the potential use of the novel ophthalmic drug delivery system.
3.Finalize the formulation and prepare for scale-up and further preclinical and clinical evaluations.

Conclusion:

The project that progressed well, with the successful development and initial characterization of a novel ophthalmic drug delivery system. We anticipate completing the proposed objectives within the stipulated 2- year duration, leading to the development of an advanced ophthalmic formulation with improved bioavailability and therapeutic efficacy

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.

PRINCIPAL
ST WIL FRED'S INSTITUTE OF PHARMACY
OLD MUMBAI PUNE HIGHWAY, NEAR SHEDUNG TOLL PLAZA,
SHEDUNG, PANVEL- 410 206.