

SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY

SASWAD, TAL. : PURANDAR, DIST. : PUNE - 412 301. MAHARASHTRA, INDIA.



Approved by : All India Council for Technical Education and Pharmacy Council of India, New Delhi.

Government of Maharashtra and Directorate of Technical Education, Mumbai. (DTE Code No. 6372) MSBTE Code-1973

Affiliated to : Savitribai Phule Pune University, Pune. (Id. No.: PU / PN / PHARMA / 095 / [1993] and Code No. - 521)

Phone : (02115) 222212 E-mail : sgrs_contact@yahoo.co.in Website : www.pdeasgrsbpharm.edu.in

Accredited by NAAC at 'A' grade

Outward No. : COPS / 1041-3 / 2023-24

Date : 10/05/2024

President
Ajit Pawar

Vice President
Rajendra Ghadge

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Senate Member
Savitribai Phule Pune University, Pune

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Dy. Secretary
L. M. Pawar

Principal
Dr. R.S. Chavan

Collaborative Work Proposal

Title: Anticancer & Antiangiogenesis potency of *Habenaria rariflora* by using In- Vitro Cell Cytotoxicity assay & CAM assay.

Partners: Pune District Education Association's, Seth Govind Raghunath Sable College of Pharmacy, Saswad

Pune District Education Association's, Waghire College Arts, Commerce & Science, Saswad

Objective: The objective is to determine the cytotoxic effects of *Habenaria rariflora* extracts on cancer cell lines. This includes evaluating the extract's ability to inhibit cell proliferation.

Scope: The study aims to provide a thorough understanding of the potential of *Habenaria rariflora* as a source of anticancer and antiangiogenic agents, paving the way for future research and development in cancer therapy.

Timeline: 12 months

Roles and Responsibilities:

Pune District Education Association's Seth Govind Raghunath Sable College of Pharmacy, Saswad will be responsible for conducting both in vivo and in vitro study.

Pune District Education Association's Waghire College Arts, Commerce & Science, Saswad will be responsible for the detailed study and extraction of the selected plant.

Both parties will collaborate on exchange of facility

Evaluation Plan: Research paper

Signatures: Dr. Pradnya Jagtap

Dr. Vidya Patankar

Approval: Dr.R.S.Chavan

PRINCIPAL

PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE COLLEGE
OF PHARMACY, SASWAD, TAL. PURANDAR,
DIST. PUNE - 412301.

Dr. Pandit Shelke

PRINCIPAL

Waghire College, Saswad
Tal. Purandar, Dist. Pune.



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Collaborative Work Proposal

Title: The potential of *Capparis divaricata* in treatment of breast cancer by using MTT assay and antiangiogenesis

Partners: Pune District Education Association's, Seth Govind Raghunath Sable College of Pharmacy, Saswad

Pune District Education Association's, Waghire College Arts, Commerce & Science, Saswad

Objective: The primary objective is to determine the cytotoxic effects of *Capparis divaricata* extracts on breast cancer cell lines. The ultimate goal is to identify bioactive compounds within *Capparis divaricata* that could serve as potential therapeutic agents for breast cancer treatment.

Scope: The study aims to provide a comprehensive evaluation of *Capparis divaricata* as a potential therapeutic agent for breast cancer, contributing to the development of novel treatments with improved efficacy and safety profiles.

Timeline: 12 months

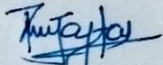
Roles and Responsibilities:

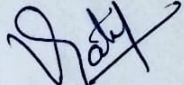
Pune District Education Association's Seth Govind Raghunath Sable College of Pharmacy, Saswad will be responsible for conducting both in vivo and in vitro study.

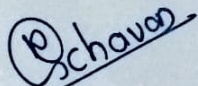
Pune District Education Association's Waghire College Arts, Commerce & Science, Saswad will be responsible for the detailed study and extraction of the selected plant.

Both parties will collaborate on exchange of facility

Evaluation Plan: Research paper


Signatures: Dr. Pradnya Jagtap


Dr. Vidya Patankar


Approval: Dr. R.S. Chavan


Dr. Pandit Shelke

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OF PHARMACY, SASWAD, TAL. PURANDAR.
DIST. PUNE - 412301.

PRINCIPAL
Waghire College, Saswad
Tal. Purandar, Dist. Pune.



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Collaborative Work Proposal

Title: In vivo and in vitro anti-cancer activity of *capparis rotundifolia* on human cervical cancer by using MTT assay and CAM assay

Partners: Pune District Education Association's, Seth Govind Raghunath Sable College of Pharmacy, Saswad

Pune District Education Association's, Waghire College Arts, Commerce & Science, Saswad

Objective: Determine the cytotoxic effects of *Capparis rotundifolia* extracts on human cervical cancer cell lines and evaluation of antiangiogenic properties of *Capparis rotundifolia* extracts using the Chick Chorioallantoic Membrane (CAM) assay with identification and characterize the bioactive compounds responsible for the observed anti-cancer and antiangiogenic activities.

Scope: The scope ensures a thorough investigation of *Capparis rotundifolia* as a potential therapeutic agent for cervical cancer, contributing to the development of novel and effective treatments.

Timeline: 12 months

Roles and Responsibilities:

Pune District Education Association's Seth Govind Raghunath Sable College of Pharmacy, Saswad will be responsible for conducting both in vivo and in vitro study.

Pune District Education Association's Waghire College Arts, Commerce & Science, Saswad will be responsible for the detailed study and extraction of the selected plant.

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Evaluation Plan: Research paper

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Dr. Vidya Patankar

Approval: Dr. R.S. Chavan

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