



Founder



# MAHATMA GANDHI VIDYAMANDIR'S PHARMACY COLLEGE

**Approved by :** All India Council of Technical Education (AICTE) and Pharmacy Council of India, New Delhi;  
**Recognized by :** Director of Technical Education, Mumbai and Govt. of Maharashtra,  
**Permanently Affiliated to :** Savitribai Phule Pune University, Pune (CPHN017660)  
NBA Accredited (B.Pharmacy), AISHE Code - C - 41939

*6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities*

**6.5.1.1. H Motivation to staff members and students for publication in UGC listed journals**

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**PRINCIPAL**  
**PHARMACY COLLEGE**  
Panchavati Nashik-422 003

## **1. RESEARCH POLICY**

Academic institutions are expected to perform threefold activity which includes teaching, research and extension. Research is one of the most important aspect of academic activities which help the institution to achieve excellence in the field of education. It also includes the quality of learning and knowledge development. Research and developmental activities help to create and disseminates new avenues in knowledge, promote innovation and these will motivate better learning and teaching among faculties and students of MGV's Pharmacy College, Nashik. Research is the foundation of knowledge that builds state of the art facilities, promotes research publications, develops collaborations and becomes part of active community that shares the mission objectives. Taking these into considerations, MGV's Pharmacy College, Nashik has framed and implemented its Research Policy.

### **Purpose**

The purpose of the Research Policy is to create a vibrant atmosphere of research among faculty and inculcate research aptitude among the students. The policy shall serve as an overall framework within which research activities may be carried out. It also aims to identify thrust areas of research having social relevance and thereby supporting the Vision and mission of the college. The Research policy also emphasizes contribution towards society and to the nation at large.

### **Scope**

This Research Policy forms the basics of the research ethics of the college and is implemented in all the departments and it serves as the guidelines for the functioning of the Research council of the college. The Research Policy shall have a Research Advisory Cell to function under the Principal, MGV Pharmacy College, and Academic Council, to assist and advise in matters related to research within the college.

### **Objectives of Research Policy**

1. To develop desired awareness regarding research in the faculty of MGV COP.
2. To establish a right kind of research culture through various research initiatives and programs.
3. To encourage faculty members to publish research papers in peer reviewed journals and undertake various research projects of social and academic importance.
4. To publish a research journal, to provide a dais to the faculty members, as well as researchers and academicians in the college as well as in those from academia across the country.
5. To create awareness in the society through various research initiatives and by giving due publicity to the socially useful research projects that may be undertaken by the college.



**The college shall have a well-defined research cell which has framed guideline for the scholar, teachers and all other concerned personnel.**

1. To encourage original quality basic and applied research in the field of pharmaceutical sciences.
2. To identify the emerging areas of research and encourage the faculty members to undertake research in these areas.
3. To establish linkage (MOU's) with research institutes, industries and business organizations to identify potential areas of research, for sponsored and consultancy projects.
4. To encourage faculty members to get research projects from National Funding agencies like SERB, DBT, DST, ICSSR, AICTE, UGC and other such institutions.
5. To provide financial assistance for publication of patents, research papers and research findings and to encourage faculty and research scholars to take benefits of MGVCOP's Research Incentive Policy.
7. To offer a suitable platform to the faculty members, scholars and students of MGVCOP to present their research findings in national and international conferences.
9. To organize various workshops to develop appropriate research skills among the scholars and faculty members.
10. To depute faculty members to various workshops, symposia, seminars and conferences in their respective fields to upgrade their research skills and knowledge.
11. To establish suitable infrastructure in the college that will help to undertake different research projects.
12. To undertake all other such activities which will inculcate research culture in the college.

**GENERAL GUIDELINES FOR PUBLISHING RESEARCH MANUSCRIPT**

1. A researcher can have the right to be acknowledged as an author provided he/she has contributed in conceiving or design of the study or in analysis and interpretation of data or in critical evaluation of the content.
2. The name of the institute(s) should be acknowledged where the work has been carried out.
3. All publications should be in Scopus/Web of Science indexed, Peer reviewed/ UGC Care list journals. Caution to be exercised of Predatory journals. Contributions made should be free from plagiarism.



### **SOP for Research Grants**

Apply for major/minor project grant through UGC/AICTE/SPPU/Other funding bodies



Receipt of selection letter/ or invitation for presentation for selection



Receipt of sanction letter with 1st installment in college grant account



Process for purchase of chemicals/ equipments /books from installment amount initiated for project work



Project work commenced, yearly report sent with authorized audited statement



Remaining installment received if any, work completed, Utilization Certificate sent, Audit done by funding body.



**2. POLICY DOCUMENT FOR INCENTIVES FOR RESEARCH AND PUBLICATION  
POLICY FOR TEACHING FACULTY (w.e.f 2022-23 onwards)**

[In addition to the circular received from Dr. B. S. Jagdale-Trustee (MGV-Acad and Exam) (RefNo MGVN/1642/2022-2023 dated 21<sup>st</sup> July 2022), the following policy document holds w.e f 2022-23)]

Sr. No	Particular	Condition	Incentive
1.	Consultancy services(Res Projects)	As per SPPU circular[ (108/2021, dt 19 <sup>th</sup> April 2021) and (FAO/2014-15/961 dt 10 <sup>th</sup> June 2014)]	Concerned P.I -70% of total project charge College share - 30% of total project charge
2.	Sponsored projects	Private Organisations/ Funding bodies	College overhead charges- 10% of total project charge
3.	Testing Charges	As per SPPU circular[ (108/2021, dt 19 <sup>th</sup> April 2021) and (FAO/2014-15/961 dt 10 <sup>th</sup> June 2014)]	Concerned faculty -30% Operator/Technician-10% Administrative, Finance and Supporting staff- 10% College share - 50%
4.	Training Programs through MOU's	As per SPPU circular[ (108/2021, dt 19 <sup>th</sup> April 2021) and (FAO/2014-15/961 dt 10 <sup>th</sup> June 2014)]	Concerned faculty -10%*-40% Administrative, Finance and Supporting staff-5%*- 10% College share – 50%*-85% *Only Co-ordination activity
5	Research paper publication	Thomson Reuter/Clarivate impact factor (Indexed in Scopus or Web of Science)	Impact factor 0-1= 1000 Impact factor 1.1-1.9= 1500 Impact factor 2-2.9= 3000 Impact factor >3= 5000 (NOTE: Can avail incentive either from MGV's Academic and Examination Deptor from parent college only)
6	Book Chapter	National/international Publication with ISSN/ISBN	National- 1000 International-2000
7	Patent	National/International	As per Mgmt directives
8	Membership fees	National bodies	As per Mgmt directives
9	Attending National/International conference or presenting projects to funding agencies	Student/Faculty should be presenting paper	Registration fees, TA and DA




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Sample copy- Amount received for publishing the book chapter



**Sample copy-Papers published in UGC listed Journals Calendar year 2022**

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<b>Sr.no</b>	<b>Name of faculty</b>	<b>Title of paper</b>	<b>Name of journal</b>
1	Dr.R.S.Bhambar, Dr.P.S.Patil	Exploration of Phytopharmacognostical study of <i>Ipomoea obscura</i> (Linn.) Ker Gawl	Pharmacognosy Research
2	Dr.M.Mohan	Invitro and Invivo evaluation of probiotic potential and safety assessment of <i>Bacillus coagulans</i> SKB LAB-19 (MCC 0554) in human and animal healthcare	Regulatory toxicology and Pharmacology
3	Dr.M.Mohan	Effect of <i>Nyctanthes arbor-tritis</i> on Cardiovascular parameters and metabolic syndrome in fructose induced hypertensive rats	Indian Journal of Physiology and Pharmacology
4	Dr.M.Mohan	Effect of SKB gut biotic on acetic acid induced ulcerative colitis in male wistar rats	Indian journal of experimental biology
5	Dr.M.Mohan	Protective efficacy of <i>Murraya koenigii</i> aqueous extract aganist monosodium glutamate induced hepatotoxicity in Wistar rats	Indian Journal of Natural Products and Resources
6	Dr.A.Y.Pawar	Preparation and characterization of nanocochelete by using phosphatidylcholine as lipid carrier for enhancement of permeability and bioavailability of rosuvastatin	Drug Development and Industrial Pharmacy, Taylor & Francis
7	Dr.A.Y.Pawar	Formulation and evaluation of eudragit L100 based Senna nanoparticles for treatment of Constipation	International journal of Pharmaceutical investigation
8	Dr.A.Y.Pawar	Formulation and Evaluation of Perindopril Erbumine Mouth Dissolving Film Using 32 Factorial Design	Asian Journal of Pharmaceutics
9	Mrs.V.D.Rakibe	Development and Validation of RP- HPLC Method for Estimation of Favipiravir in Bulk and its Pharmaceutical Dosage Form	International Journal of Food and Nutritional Science
10	Dr.A.P.Bhosale	Bioanalytical RP-HPLC method development and validation for estimation of azelnidipine and Olmesartanmedoxomil in human plasma	Journal of Medical Pharmaceutical and Allied Sciences



**Name of Faculty:Dr.M.Mohan**



Regulatory Toxicology and Pharmacology

Volume 133, August 2022, 105218



## ***In vitro* and *in vivo* evaluation of probiotic potential and safety assessment of *Bacillus coagulans* SKB LAB-19 (MCC 0554) in humans and animal healthcare**

Khushal Chaudhari<sup>a</sup>, Mahalaxmi Mohan<sup>a</sup>, Parag Saudagar<sup>b</sup>, Chitra Sable<sup>b</sup>, Somnath Shinde<sup>b</sup>, Dattatray Bedade<sup>b</sup>

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<https://doi.org/10.1016/j.yrtph.2022.105218>

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### **Abstract**

*Bacillus coagulans* is Gram positive, spore forming and high lactic acid producing bacteria; however, probiotic and safety assessment of the isolated strain need to be investigated for commercial applications. Current study aimed to screen SKB LAB-19 for potential probiotic characteristics viz. enzyme production, antimicrobial properties, pH/bile salt tolerance, temperature stability, antidiarrheal activity in Swiss albino mice and Wistar rats; and acute oral toxicity in mice. The results showed that, SKB LAB-19 produces eight potential enzymes, effective against *E. coli* and *C. perfringens*, tolerant to bile salt (0.3%w/v)/gastric pH (2.5), stable at 40–90°C and non-toxic to cells. SKB LAB-19 was found to be safe and displayed promising results to reverse *E. coli* and castor oil induced diarrhoea. Histopathological studies showed repair to damaged mucosal epithelium cells and improves integrity of the goblet cells of colon. SKB LAB-19 showed immunomodulatory effects with increased immunoglobulins in blood and augmented weight of spleen and thymus. In addition, SKB LAB-19 showed significant *in-vitro* antioxidant activity (82.93%), reducing capacity and ascorbate auto-oxidation inhibition effect (94.62%). These preliminary results suggested that, SKB LAB-19 was found to be safe and has the potential to be used as effective probiotic and anti-diarrhoeal agent in humans and animal healthcare.



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