



BDSU

BABU DINESH SINGH UNIVERSITY



PROSPECTUS 2026-27

VANANCHAL COLLEGE OF SCIENCE DEPARTMENT OF PHARMACY

FARATHIYA, GARHWA - 822114



APPROVED BY PHARMACY COUNCIL OF INDIA (PCI)
ESTABLISHED IN 2023

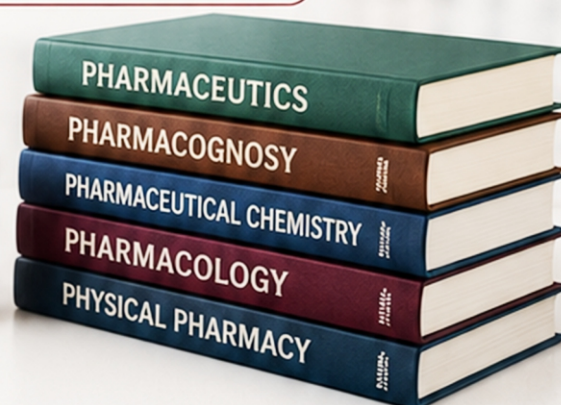
PROGRAMMES OFFERED



B.Pharm
Bachelor of Pharmacy



D.Pharm
Diploma in Pharmacy



PCI APPROVED
PROGRAMMES



EXPERIENCED
FACULTY



MODERN
LABORATORIES



RESEARCH &
INNOVATION



CAREER
OPPORTUNITIES



Garhwa, Jharkhand - 822114



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BABU DINESH SINGH UNIVERSITY

Empowering Healthcare Education with Excellence

HONORABLE CHANCELLOR MESSAGE

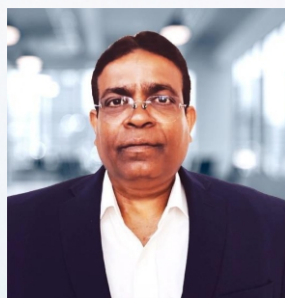


Mr. Dinesh Prasad Singh
Hon'ble Chancellor
BABU DINESH SINGH UNIVERSITY

I warmly welcome you to the Department of Pharmacy under Vananchal College of Science, BDSU. With a glorious track record of academic excellence, Babu Dinesh Singh University is one of the leading universities in India.

Our Pharmacy Department is committed to providing quality education and professional training with state-of-the-art infrastructure, well-structured buildings, advanced laboratories, and all necessary facilities to support academic and practical learning. We strive to create an environment that encourages innovation, research, discipline, and holistic development of students.

HONORABLE PRO-CHANCELLOR MESSAGE



Mr. Pawan Kumar
Pro-Chancellor
BABU DINESH SINGH UNIVERSITY

It gives me immense pleasure to convey my message to the Department of Pharmacy. Pharmacy education plays a vital role in strengthening the healthcare system and improving the quality of life of society. The Department of Pharmacy is committed to imparting quality education, professional ethics, research aptitude, and practical knowledge to students so that they may become competent healthcare professionals and responsible citizens.

I encourage all students to dedicate themselves to academic excellence, discipline, and ethical practices. I also appreciate the efforts of faculty members and staff in nurturing young minds and contributing to the growth of the department.

I extend my best wishes to the Department of Pharmacy for achieving greater heights in academics, research, and service to society.



KNOWLEDGE



CARE



HEALTH

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HONORABLE VICE CHANCELLOR MESSAGE



Prof. (Dr.) M.K. Singh
Vice- Chancellor
BABU DINESH SINGH UNIVERSITY

It gives me immense pleasure to extend my heartfelt greetings to the students, faculty members, and staff of the Faculty of Pharmacy. Pharmacy education plays a vital role in strengthening the healthcare system and shaping competent healthcare professionals dedicated to the service of humanity.

In today's rapidly evolving world, the pharmaceutical profession demands knowledge, innovation, ethical values, and a spirit of research and service. I am confident that our institution is committed to providing quality education, practical exposure, and a disciplined academic environment to nurture future pharmacists and researchers.

I encourage all students to strive for academic excellence, professional integrity, and continuous learning.

DEAN MESSAGE



Prof. (Dr.) Manish Dubey
Dean/Principal
Department of Pharmacy
Vananchal College of Science

It is with great pleasure and pride that I welcome you to Department of Pharmacy under Vananchal College of Science, BABU DINESH SINGH UNIVERSITY, FARATHIYA GARHWA. In a rapidly evolving healthcare landscape, the role of a pharmacist has never been more vital. Our mission is to mold compassionate, innovative, and highly skilled professionals who are equipped to tackle tomorrow's medical and pharmaceutical challenges.

About Us

Department of Pharmacy under Vananchal College of Science is the constituent body of Babu Dinesh Singh University, Bachelors in Pharmacy Babu offers and Diploma in Pharmacy. The vision of Pharmacy College is to pharmacy synergizing technology profession knowledge, grow by skill & to transform lives through the advancement patient healthcare delivery of by providing healthcare professional & ethical.



AIMS and OBJECTIVE

- Providing World Class Education To Students
- Equipping The Institute With The Latest Equipment Available In The Field Of Pharmacy
- Empowering With Immense Knowledge In Pharma Sector To Student

- Creating Awareness For Pharmacy In Rural Population And Giving Them Knowledge About The Medicine And Their Usage
- We Are Also Focusing On Research Work In Pharma Sector



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COURSES OFFERED

PROGRAMME NAME	DURATION	INTAKE	ELIGIBILITY	FUTURE PROSPECTS
B.PHARM	4 YEARS	60 SEATS	12 th with PCB Or PCM	• DRUG INSPECTOR • QC • QA • PHARMACOVIGILANCE • PHARMACISTS • REGULATORY AFFAIRS • RESEARCH AND DEVELOPMENT(R&D) • ACEDemics • PHARMACY TECHNICIAN • HOSPITAL & CLINICAL PHARMACY • COMMUNITY & RETAIL PHARMACY
D.PHARM	2 YEARS	60 SEATS	12 th with PCB Or PCM	
B.PHARM LATERAL ENTRY (2 nd YEAR B.PHARM)	3 YEARS	6 SEATS	D. PHARM	

FEE STRUCTURE (INR)

PROGRAMME NAME	DURATION	TOTAL FEE
B.PHARM	4 YEARS	1,15,000 (1 st YEAR) 1,00,000 (2 nd YEAR) 1,00,000 (3 rd YEAR) 1,00,000 (4 th YEAR) TOTAL- 4,15,000
D.PHARM	2 YEARS	1,15,000 (1 st YEAR) 1,00,000 (2 nd YEAR) TOTAL- 2,15,000
B.PHARM LATERAL ENTRY (2 nd YEAR B.PHARM)	3 YEARS	1,14,000 (2 nd YEAR) 1,00,000 (3 rd YEAR) 1,00,000 (4 th YEAR) TOTAL- 3,14,000

HIGHLIGHTS

SCOPE / FUTURE PROSPECTS

- Pharmacist
- Pharmaceutical Industry
- Regulatory Affairs
- Drug Inspector
- Pharmacovigilance
- Entrepreneurship
- Ensuring Access to Medications Vaccine Administration
- Medication Management and Adherence
- Addressing Misinformation.
- Collaboration with Healthcare Teams
- Pursue M.Pharm
- Eligible for all competitive government exam (UPSC, SSC , ARMY etc.)

OUR LAB FACILITY



Department of Pharmacy boosts state-of-the-art that provide students with opportunities to gain practical knowledge of theoretical aspects.



The specialized labs help students engage in hands-on learning experiences to develop essential clinical skills and competencies.



They are equipped with modern equipment and technology to provide students with practical training in pharmaceutical preparation.



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MACHINE ROOM



PHARMACOLOGY AND HAP LAB



CHEMISTRY LAB



PHARMACOGNOSY LAB



OUR LIBRARY

- Our library has well multiple study spaces, research paper wi fi and virtual learning resource lab.

- We are also equipped with latest journals and pharmacopoeia



OUR CLASS ROOM



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OUR RESEARCH AND PATENT

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डिजाइन नं. / Design No. : 413785-001

तारीख / Date : 17/04/2024

परस्परिका तारीख / Reciprocity Date : -

देश / Country : -

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तारीख की तिथि : 05/06/2024

कार्यालय के निधि : 05/06/2024

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<https://ofriconjournalofbiomedicalresearch.com/index.php/AJBR>
Afr. J. Biomed. Res. Vol. 27(4s) (December 2024); 9063-9074
Research Article

Momordica charantia: Unlocking its Anti-diabetic Potential Through Computational Drug Discovery Approach

Neha Khare, Mahesh Singh, Rahul Kumar, Rohit Kumar Gupta, Avnish Kumar, Shashi Bhushan, Anand Gupta, Arun Maurya, Himanshu Kumar, Dr. Manish Dubey*

Babu Dinesh Singh University, Vananchal College of Science (Dept. of Pharmacy), Garhwa, Jharkhand-822114, India.

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Abstract
Diabetes is a chronic metabolic disorder characterised by elevated blood sugar levels. It is one of the leading contributors to worldwide mortality and disability. Glucose and lipid metabolism are reliant upon the nuclear transcription factor PPAR- α . PPAR- α agonists improve blood sugar control and insulin sensitivity in type 2 diabetes treatment. The tropical plant *Momordica charantia*, also known as bitter melon, has been employed in traditional medicine as a long-term remedy for diabetes. Using various *in silico* tools, this study identified *Momordica charantia* constituents that may possess antidiabetic properties. We evaluated a compendium of 55 *Momordica charantia* constituents against PPAR- α , a significant target of antidiabetic medications (PDB ID: 2XKW). Several phytoconstituents with high binding affinity for the T2DM target PPAR- α have been identified through our research as having a favourable ADMEI profile, drug-likeness, and bioactivity score. Molecular docking data shows that out of 55 molecules, 13 had higher docking scores than pioglitazone, whereas 22 had higher docking scores than rosiglitazone. However, Quercetin-3-galactopyranoside had the greatest binding affinity with PPAR- α (MolDock score: -160.944 Kcal/mol and Rerank score: -100.805 Kcal/mol). Furthermore, Quercetin-3-galactopyranoside, Daucosterol, Momordicoside K, Momordicoside K, and Rutin exhibits good docking score with the receptor. Additionally, these components were anticipated to possess favorable ADMEI properties.

Keywords: *In silico*, Molecular docking, *Momordica charantia*, Anti-diabetic, PPAR- α .

*Author for correspondence: Email: dubmanish@gmail.com

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DOI: <https://doi.org/10.53555/AJBR.v274S.5382>

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Paper M: TSJ3486

Pharmaceutical Chaperones: Emerging Strategy for Protein Misfolding Disorders

Author by
Rohit Kumar Gupta

From
Babu Dinesh Singh University, Garhwa-822114, Jharkhand.

Has been published in
TSJ, Volume 26, Issue 04, April 2026.

DOI: 10.6006/TSJ

Wilmu Nishio
Editor-in-Chief

Scopus

RESEARCH PAPER

Formulation and Evaluation of Herbal Sunscreen Lotion Containing Aloe Vera and Sandalwood Oil

Manish Dubey*, Anshu Dubey, Neha Khare, Arpit Kumar, Anshu Narwal, Mahesh Kumar, Shashi Bhushan, Anand Gupta, Arun Maurya, Himanshu Kumar, Dr. Manish Dubey*

Department of Pharmacy, Vananchal College of Science, Garhwa, Jharkhand-822114, India.

Abstract: The present study aims to formulate and evaluate a herbal sunscreen lotion containing Aloe vera and Sandalwood oil. The formulation was developed using natural ingredients and evaluated for its efficacy, stability, and safety. The results showed that the formulated lotion provided excellent UV protection and was well-tolerated by the skin. The lotion was found to be stable and effective in protecting the skin from UV radiation. The study concludes that the formulated lotion is a safe and effective natural sunscreen product.

Keywords: Aloe vera, Sandalwood oil, Sunscreen, Herbal, Natural, UV protection, Skin care.

Anand Gupta, Int. J. of Pharm. Sci., 2025, Vol. 3, Issue 11, 352-357 | Research

INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES

ISSN: 0975-4725; CODEN: IJPS00

Journal Homepage: www.ijpsjournal.com

Research Article

A Study of Adverse Drug Reactions due to Anti-Obesity Drugs in Diabetic Patients in a Multispecialty Hospital

Anand Gupta*, Samir Raja, Fujal Ashraf, Khushi Kumar, Satyam Kumar, Sabreen Khatoun, Sakshi Kumar, Md. Rehan Sanwar, Shana Shabbir, Md. Saif

Vananchal College of Science, Babu Dinesh Singh University, Pharmacy, Garhwa, Jharkhand-822114

ARTICLE INFO

Published: 3 Nov 2025

Keywords: Adverse Drug Reactions, Obesity, Diabetes, Multispecialty Hospital, Pharmacovigilance, Patient Safety.

10.5281/zenodo.1771555

ABSTRACT
Adverse drug reactions (ADRs) remain an important determinant of patient safety and therapeutic success, particularly in chronic disease management. Long-term pharmacotherapy. The present study aimed to monitor ADRs associated with anti-obesity drugs among diabetic patients in a multispecialty hospital. This open, non-comparative, observational study was carried out in a multispecialty hospital. The study included 100 diabetic patients who were treated with anti-obesity medications such as orlistat, liraglutide, and phentermine/topiramate combination. A total of 28 ADRs were observed among 100 diabetic patients between 2021-2023. The majority of ADRs were mild (54%), followed by moderate (18%), and severe (28%). Gastrointestinal disturbances were the most frequently reported ADRs (42%), followed by injection site reactions (12%), headache (10%), insomnia (7%), and fatigue (5%). Combination therapy was associated with a lower overall incidence of ADRs compared to monotherapy. The findings emphasize the need for continuous pharmacovigilance and careful selection of anti-obesity therapy in diabetic patients to ensure optimal therapeutic outcomes and adherence.

INTRODUCTION
Obesity and type 2 diabetes mellitus (T2DM) are increasingly linked conditions that have reached epidemic proportions globally. Their coexistence not only exacerbates individual disease burden but also significantly elevates the risk of cardiovascular complications, dyslipidemia, insulin resistance, and other chronic conditions. The pathophysiological overlap between these disorders—characterized by impaired glucose metabolism, systemic inflammation, and hormonal dysregulation—creates a synergistic effect that accelerates disease progression and increases healthcare costs. Weight management through lifestyle modifications and pharmacotherapy is crucial for mitigating these risks.

Sports & Cultural Activity



At BDSU has an excellent sports facility, fostering a dynamic sports culture that promotes teamwork, leadership, tolerance and determination



highlight the passion and skills of the students, with a good atmosphere on campus in January for healthy competition



Annual sports organized in the campus in which both indoor & outdoor games are happens like;- Cricket League, Football League, Pro Kabaddi League and Volleyball Tournament and chess, carrom, Table tennis etc,



Other than Annual sports, Vananchal College of Science, Department of Pharmacy also organized 'National Pharmacy Week' in which sports & cultural events happened in our campus to promote the students fitness and health .



Award and Achievement

- Our students actively participate in the other events organized by the University & other colleges and won prizes in different area like Poster and PowerPoint presentation.
- Rangoli event organized by the election commission of Garhwa for promoting Vidhansava Election 2024 & our student won 2nd prize



INDUSTRIAL VISIT





INDIAN INSTIUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL



INDIAN INSTIUTE OF SCIENCE EDUCATION AND RESEARCH, BHOPAL



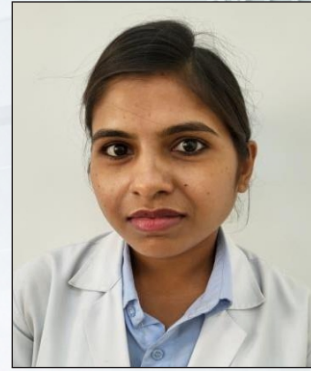
OUR TOPPERS



KAMNA GUPTA



KOMAL GUPTA



PRIYANKA KUMARI



SAKSHI KUMARI



KHALID RAZA



FAIZAL RAJA

SCHOLARSHIP FACILITY

At BDSU we accept and facilitates multiple government based scholarships facility which is provided by, Jharkhand government.

Jharkhand government provide scholarship to SC/ST/OBC candidates.



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