

EMBRACING PROBLEM-BASED LEARNING: SHAPING THE UNDERGRADUATE'S SKILLS & BRIDGING THE GAP

Problem-based learning (PBL) is an innovative approach to education that has gained significant recognition in pharmacy education. PBL is a student-centred and active learning method that focuses on problem-solving and critical thinking skills, fostering a deeper understanding of pharmaceutical concepts and their practical applications. It offers a departure from conventional teaching methods, creating a dynamic learning environment that reflects real-world scenarios and challenges encountered by pharmacists. By emphasizing critical thinking, problem-solving, and self-directed learning, PBL equips pharmacy students with the necessary skills and knowledge to excel in their future careers as competent and compassionate pharmacists in the ever-changing healthcare landscape. The importance of PBL in the context of the Indian Pharmaceutical Industry can be better summarized as follows:

1. Practical Skill Development: PBL provides students with opportunities to apply theoretical knowledge to practical scenarios, thereby enhancing their practical skills. In the pharmacy field, hands-on skills such as compounding, drug formulation, dosage calculations and quality control are crucial for success in the industry.

2. Real-World Problem Solving: PBL encourages students to tackle real-world problems commonly encountered in the pharmaceutical industry. By engaging in authentic problem-solving activities, students develop critical thinking, analytical reasoning, and decision-making skills necessary for addressing challenges faced by the industry.

3. Collaboration and Teamwork: PBL promotes teamwork and collaboration among pharmacy students. In the pharmaceutical industry, professionals often work in multidisciplinary teams, including pharmacists, chemists, researchers, and regulatory experts. PBL helps students develop effective communication, teamwork, and interpersonal skills essential for working collaboratively in such diverse teams.



DR. NEERAJ UPMANYU
PRO VICE-CHANCELLOR
SAGE UNIVERSITY, BHOPAL

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LATE SHRI K. C. BANSAL
(JAN. 1936-AUG. 2007)

"Yesterday is but a dream, tomorrow but a vision. But today well lived, makes every yesterday a dream of happiness and every tomorrow a vision of hope."

Every year, Bansal Group of Institutes celebrates its Founder's Day on 3rd January to mark the birthday, renew the commitment and realize the vision of our founder Late Shri K.C.Bansal.

PATRONS-IN-CHIEF

ER. ANIL BANSAL

ER. SUNIL BANSAL

PATRONDR. SANJAY JAIN
JOINT SECRETARY, BGIMR. PARTH BANSAL
MANAGING DIRECTOR, BGI**EDITOR BOARD**

DR. S. NAYAK

DR. PRIYANKA SINGH

PROF. ANKIT GOUR

4. Industry-relevant Exposure: PBL exposes pharmacy students to industry-relevant scenarios, protocols, and practices. By engaging in projects that mirror real-world situations, students gain a deeper understanding of the industry's expectations.

5. Problem Identification and Innovation: PBL encourages students to identify problems and develop innovative solutions. In the dynamic pharmaceutical industry, the ability to identify emerging challenges and propose novel ideas or approaches is crucial for staying competitive.

6. Enhancing Professional Competence: PBL helps develop professional competence by providing students with practical exposure to the various aspects of pharmacy practice. Students learn to integrate knowledge from multiple disciplines, including pharmacology, medicinal chemistry, pharmacokinetics, and pharmacy practice, to solve complex problems, ensuring they possess the necessary skills and competence demanded by the industry.

RESTORATIVE THERAPEUTIC AND MARKET POTENTIAL OF NUTRACEUTICALS



ABHINAY KUMAR DWIVEDI

DEPARTMENT OF PHARMACOGNOSY,
BANSAL COLLEGE OF
PHARMACY, BHOPAL, M.P.

The food products basically known for its nutritional profile, nutraceuticals are food or food derived products with additional characteristic to minimize occurrence and prevention of certain chronic diseases. The rational use of these nutraceuticals not merely gives us nutrition and restoration but also support to fight against diseases and overcome illness. Wide variety of food and dietary supplements i.e. dietary fiber, probiotics, prebiotics, polyunsaturated fatty acids, antioxidant vitamins, carotenoids, polyphenols and spices have proven to potential health benefit and could be used as nutraceuticals. Nutraceuticals have unambiguous potential to treat various symptoms and diseases which are facing many regulatory challenges all over the world. Comprehensive, cumulative, scientific and harmonious approach required to promote the new research and development in the area of nutraceuticals, which might help to maintain the quality, safety and efficacy.

Common accepted standard parameter according to product should be designed for evaluation of product. More focused and corroborated research needed to unravel the facts on health and medical benefit of nutraceuticals. Stringent regulation required to proscribe the substandard and adulterated nutraceuticals. Government should take necessary action to ensure the quality of nutraceuticals available in the market. As per global market insight, nutraceuticals market were recorded USD 396.29 billion in 2021 and projected to reach USD 636.60 billion by 2030. The prognosticated growth rate of nutraceuticals would be CAGR of 5.2% between 2022-2030.

NOVEL DRUG APPROVALS FOR 2023 BY FDA

NO.	DRUG NAME	ACTIVE INGREDIENT	APPROVAL DATE	FDA-APPROVED USE ON APPROVAL DATE
1.	Joenja	Leniolisib	24/03/2023	To treat activated phosphoinositide 3-kinase delta syndrome
2.	Rezzayo	Rezafungin	22/03/2023	To treat candidemia and invasive candidiasis
3.	Zynyz	Retifanlimab-dlwr	22/03/2023	To treat metastatic or recurrent locally advanced Merkel cell carcinoma
4.	Daybue	Trofinetide	10/03/2023	To treat Rett syndrome
5.	Zavzpret	Zavegepant	09/03/2023	To treat migraine

VISION & MISSION

A hand in a dark suit jacket points towards a glowing target graphic. The target is a circular grid with a central point where a bright light is shining. A blue arrow with a white outline points downwards towards the center of the target. The background is dark with some blurred light spots.

VISION

We will provide an unparalleled experience to budding pharmacist as the most trusted college.



MISSION

To improve the overall well-being of a pharmacist by providing the best education through hybrid learning, clinical practice and research.



“YUVA SAMVAAD” AND AWARD CEREMONY

Bansal group of Institute organized “Yuva-Samvaad”. In this event Honourable Minister of State for Food Processing Industries and Jal Shakti, Shri. Prahlad Singh Patel visited BGI Bhopal Campus and shared his valuable insights with students

In the ‘Yuva-Samvaad’ program, Er. Sunil Bansal Sir, Secretary BGI, Dr. Sanjay Jain Sir, Joint Secretary BGI, Dr. H.B. Khurasiya, Group Director BGI, Dr. Satish Nayak, Principal of Bansal College of Pharmacy, Dr. Damodar Tiwari, Director BIST, Dr. Surendra Agrawal, Director BIRTS, Dr. Manish Manoriya, Director BIRT and Dr. Meno Shubhranshu Deep, Director Bansal College of Nursing, and all HODs and staff members were also present in the program “Yuva-Samvaad” live broadcast on Bansal News.

FACULTY DEVELOPMENT PROGRAMME

Faculties of Bansal College of Pharmacy, Bhopal (MP) had attended the five days Faculty Development Program on Research Methodology and How to Write a Good Scientific Research Paper organised by Bansal Institute of Science & Technology.



The program was inaugurated by Dr. S K Jain Honourable Vice-Chancellor Barkatullah University, Bhopal. And Dr. Sanjay Jain, Joint Secretary, BGI in these five days programs around 20 eminent professionals presented their talk and share their knowledge about Research methodology they were from NIT, SGSITS, Indore, MITS, IIT and other universities. Last day valedictory function was organized in the presence of Dr. Deepak Paliwal Joint Director, PSSCIVE, Bhopal & Shri. Vikas Shende Senior Scientist, MPCST Bhopal. They have distributed certificates to all the participants.

FACULTY EVENTS



SHRIJAN -2023 ATTENDED BY FACULTY MEMBERS

Under the Shrijan -2023 organized by Sister Nivedita Technical Education Committee, on March 22, 2023, in the auditorium of MP Council of Science and Technology, Bhopal

On the subject of review of the need, provision and implementation of the new education policy (self-education), the Pharmacy Council of Dr. Dipendra Singh, Chairman of the Education Regulation Committee of India, gave a lecture on the outline and utility of the syllabus according to the new education policy in pharmacy. All the pharmacy scholars were also present on this occasion. The program was coordinated by Dr. Shailesh Jain (Vice President A.P.T.I. Madhya Pradesh and Member Organizing Committee).

INTERNATIONAL CONFERENCE ATTENDED BY FACULTY MEMBERS AND STUDENT

Under the Shrijan -2023 organized by Sister Nivedita Technical Education Committee, on March 22, 2023, in the auditorium of MP Council of Science and Technology, Bhopal.



Honourable Vice chancellor Prof. Sunil Kumar inaugurated the programme and appreciated the participants.

Scientific poster, oral presentation and state-level open mic competition was held on Role of the Indian system & tradition in covid-19 management, initiative taken in India to manage covid-19 challenges, and effects of covid-19 on Indian Society "was also organized to know the recent development in pharmacy Research for researchers and scientists working in the field of healthcare across the country and cultural events also organized. At the last certificates were distributed to the participants and winners. Prof. Smita Jain, Prof. Rajkumari Lodhi, Prof. Sweta Rani, and Prof. Jyoti Manharactively participated in "The International Conference from Bansal College of Pharmacy."

FACULTY EVENTS

PANKH MP HALF MARATHON



Bansal news organized "PANKH MP HALF MARATHON" on 26 Feb 2023 at TT Nagar Stadium, Bhopal. Pankh MP Half Marathon is not just about running; it's an initiative of coming together to make dreams come true. Pankh MP Half Marathon, along with Pankh Khel Protsahan, is an initiative of the Bansal Group.

One of the most prestigious media houses of MP. In this event, Olympic Bronze Medalist, Bajrang Puniya (Indian freestyle wrestler) was the chief guest flag off the event and felicitate the participants. Honorable Shri Anil Bansal, Chairman, Bansal Group, Honorable Pooja Bansal, Board Member, BGI, Dr. Sanjay Jain, Joint Secretary, BGI and Shri Parth Bansal, Managing Director, BGI, Dr. H.B. Khurasiya, Group Director, BGI, Dr. S. Nayak, Principal, Bansal College of Pharmacy, all HODs and staff members also participated in this marathon. The programme is broadcast on Bansal News. Dr. Mamta Yadav and Prof. Ankit Gaur participated in 21 Km race and Priyam Kumar participated in 10 Km and successfully completed their targets. Prizes were distributed to the winners by Health Minister of MP State Government Honorable Shri Vishwas Sarang ji. Around 4,000 participants were registered from different areas.

PRACTICAL TRAINING ON SOME IMPORTANT BIOLOGICAL PARAMETERS AND HANDLING OF IMPORTANT DEVICES

Six-day Practical Training on "Some important Biological Parameters and Handling of Important Devices" Was organized by Bansal College of Pharmacy



Bansal College of Nursing from 03rd to 09th January 2023. The program was inaugurated by Mr. Parth Bansal, MD, BGI on the foundation day of Bansal Group remembering the contribution of Late Shi K.C. Bansal Ji, founder, Chairman of Bansal Group. Dr. Memo Subhranshu Deep Director in Bansal Nursing College, Dr. Shikha Shrivastava Vice Principal of Bansal Nursing College, Prof. Sam T. George Associate Professor Bansal nursing college, Dr. Mamta Yadav, Prof. Ankita Shayni, Prof. Pratibha Thakur, Prof. Manish Sahu, Prof. Vandana Narvariya, Prof. Rajkumari Lodhi, Prof. Ankit Gour, Prof. Anushree Jyotishi, Prof. Prabha Rathour, Prof. Kajal. The program was coordinated by Prof. Purnima Tripathi with other faculty members & staff members.

FACULTY EVENTS



EXPERT LECTURE ON “3 R’S OF ANIMAL RESEARCH: APPLICATIONS & ALTERNATIVE MODELS”

Bansal College of Pharmacy, Kokta Campus, Bhopal organized Expert Lecture on topic 3 R’s of Animal Research: Applications & Alternative Model son 13/01/2023, Friday. The aim of this program is to promote the development and use of techniques that reduce the use of animals in practical and research activities.

The eminent speaker Dr. Arunabha Mallik, Professor, Marri Laxman Reddy Institute of Pharmacy, Hyderabad delivered a lecture on 3R’s of using animals in research (Replacement, Reduction, Refinement) and motivated the students to convert their ideas in to innovations. The program was coordinated by Dr. Priyanka Singh and Prof. Payal Saiju. The programme was very informative and appreciated by each participant. More than 125 participants/ faculty members attended with the Principal.

VISIT TO INDIRA GANDHI RASHTRIYA MANAV SANGRAHALAYA

An educational visit was organized for B.Pharm 1st Sem students on 21st January 2023 to Indira Gandhi Rashtriya Manav Sangrahalaya Bhopal. Indira Gandhi Rashtriya Manav Sangrahalaya (IGRMS)

National Museum of Humankind/Museum of Man is an anthropology museum located in Bhopal to present an integrated story of the Evolution of man and culture with special reference to India. This museum depicts the story of mankind in time and space. Students visited and got knowledge about the Evolution of man and culture. More than 100 students and staff members were present. The visit was coordinated by Dr. Dhanraj Patidar, Dr. Mamta Yadav, Prof. Mukesh Sahu, and Prof. Ankit Gour.



FACULTY EVENTS



VISIT TO INDIA INTERNATIONAL SCIENCE FESTIVAL (IISF)

An educational visit was organized for students on 24th January 2023 at India International Science Festival (IISF) at MANIT, Bhopal. The theme of the event, which is being organised by the Union Ministry of Science and Technology, Ministry of Earth Sciences, Department of Atomic Energy.

Department of Space and MP government in association with Vijnana Bharati (VIBHA), is 'Marching towards Amrit Kaal with Science, Technology and Innovation'. This visit will help in understanding scientific concepts and attract youth towards new trends in science. The effort should be that the students get inspiration and guidance from this event. India's ancient scientific contribution and outlook should also be presented in the festival. More than 100 students and staff members were present. The visit was coordinated by Prof. Abhinav Dwivedi, Prof. Satyam Khare, Prof. Purnima Shukla, and Prof. Garima Indurkhya.

REPUBLIC DAY CELEBRATION 26 JAN 23



The 74th Republic Day (Azadi Ka Amrit Mahotsav) of India was celebrated with gaiety and patriotic fervour at Bansal Group of Institutions amidst the foggy morning of 26th January 2022.

The ceremony took place in the presence of Mr. Parth Bansal Managing Director BGI, Ms. Charvi Bansal Board Member BGI, Dr. H.B. Khurasiya, Group Director BGI, Dr. Damodar Tiwari, Director BIST, Dr. Surendra Agrawal, Director BIRT, Dr. Manish Manoriya, Director BIRTS and Dr. Meno Shubhranshu Deep, Director Bansal College of Nursing, and all HODs and staff members and students were also present. The ceremony commenced with the unfurling of the National Flag by the Chief Guest Mr. Parth Bansal.

Mr. Parth Bansal addressed the gathering and highlighted the achievements of the college. He underscored the steps that the college has taken to ensure the overall development of students. He emphasized quality education. Dr. H.B. Khurasiya, Group Director, BGI also addressed the gathering.

FACULTY EVENTS



TRAINING CUM WORKSHOP ON DIFFERENT PARENTALS: ROUTE OF DRUG ADMINISTRATION

Training cum Workshop was organised on "Different Parentals: Route of Drug Administration" by Bansal College of Pharmacy, Bhopal. The programme was inaugurated by Mr. Sanjay Jain, Vice President, IPA and Hon. Member, MP State Pharmacy Council.

He guided students about the preparations required to enter in the Pharmaceutical Industry and he has also enlightened them about the scope and bright future in Pharmaceutical Education. Dr. Sanjay Jain, Joint Secretary, BGI, welcomed and congratulated all participants for attending this programme and appreciated the trainers. Dr. H.B. Khurasiya, Group Director, BGI, motivated the participants and emphasized that training and skill development are the key factors in success. Around 55 participants from various Pharmacy Colleges from different states participated in the training program. The Programme was concluded with the Vote of Thanks by Dr S. Nayak, Principal of the Bansal College of Pharmacy, Bhopal.

FACULTY MEMBERS ATTENDED NATIONAL WORKSHOP ON NATIONAL EDUCATION POLICY



RGPV University organized a two-day workshop on New National Education Policy (NEP) 2020 from 24th to 25th March 2023 for faculty members. The main objective of this workshop was to create awareness about the National Education Policy-2020 amongst teachers and to make them aware them of the changes in curriculum. Workshop was attended by Dr. S. Nayak, Principal, Bansal College of Pharmacy, Prof. Shobhit Shrivastava, Dr. Priyanka Singh and Prof. Purnima Tripathi.

FACULTY EVENTS

NATIONAL SEMINAR ON FINANCIAL WELLNESS ENHANCEMENT



Bansal College of Pharmacy organized a national seminar on the topic "Financial Wellness Enhancement 2nd Oct 2021. The expert lecture was delivered by Mr. Vivek Verma, Financial Corporate Trainer Advisor Organization.

The program consists of lectures, and interaction between the speaker, students and faculties. The purpose of the webinar is to enrich knowledge on wealth awareness. The welcome address was given by Dr. S. Nayak, Principal, Bansal College of Pharmacy.

PRACTICAL TRAINING FOR INDUSTRIAL EXPOSURE (5-14 JUNE 23)

A training programme was organized as a part of quality improvement and skill development for final-year students of Bansal College of Pharmacy, Bhopal, between 5-9 June 2023. Programme was inaugurated by Hon. Dr. Neeraj Upmanue, Pro. VC, SAGE, in the presence of Dr. Snjay, Jain Jt Sec, BGI,



During the Training students participated in plant tissue culture techniques, skill development by Machine learning and AI, High-performance Liquid Chromatography, PD, soft skill Development, skills to enter in Pharma Industry and many more. Around 10 experts visited for training from outside including Dr. Ashish Pathak, Prof. Brajesh Mishra, Prof. Ritesh Mankar, Mr. Priyansh Rajak, Dr. Sanjay Jain, Mr. Manas Pretam Goswami, Dr. Pankaj Singh, Dr. Deepa Iyer, Mr Sagar Bhot etc. and 5 from BGI. Prof. Vijendra and Prof Thomas. Students also visited SCAN Lab for exposure to sophisticated instruments used in QA, QC departments. Hands-on practicals on HPLC were conducted by Prof. Prabhat Jain. The Programme was nicely coordinated by Prof. Poornima Tripathi with other faculty and staff members.

STUDENT EVENTS

VISIT TO REGIONAL SCIENCE CENTER, BHOPAL



An educational visit was organized for B. Pharm IInd Semester students on 6th May 2023 to Regional Science Center, Bhopal. This centre is one of the 25 constituent units of the National Council of Science Museums (NCSM) which is an autonomous scientific organization under the Ministry of Culture, Govt. of India,

engaged in popularizing Science and Technology amongst students in particular and the masses. Students visited and got knowledge about the evolution of ocean organisms' life through 3D movies.

The visit was coordinated by Prof. Smita Jain, Prof. Rajkumari Lodhi and staff members Mr. Rahul Sharma and Mr. Sourabh Shivhare. Total no. of students were 62.

WEBINAR ON WEALTH AWARENESS, 24 JUNE '23

A Webinar on Wealth Awareness was arranged as a part of financial management for students by Bansal College of Pharmacy, Bhopal on 24th June 2023. The webinar was conducted in the cooperation with Advisor organisation. Financial expert Mr Kapoor delivered an excellent and interactive session.



He guided students about savings, share market, SEBI, mutual funds, short term investment and long term investment etc. Dr. S. Nayak presented a welcome note and was given a brief note on the activities of the college. The programme was coordinated by Prof. Garmia Indurkhiya and was attended by around 80 student participants.

PHARMA NEWS:

1. NPPA forms guidelines to restrict marketers from changing manufacturers after the retail price of formulations approved. The drug price regulator has formulated guidelines to handle applications from marketers seeking change in manufacturer for the formulations for which retail price has already been notified and product was launched in the market, in future. Been taken to reduce the increasing instances of companies changing their manufacturers with or without informing the authority.

2. Diabetes drug metformin may reduce the risk of long Covid: Study Metformin reduces the risk of long Covid by 40%. A new study published by Lancet suggests that taking the diabetes drug metformin after testing positive for Covid-19 may reduce the risk of developing long Covid by 40%.

3. Zydus Life Sciences has launched a real-world data registry trial to determine the benefits of its liver drug, Saroglitazar Magnesium, on patients with non-alcoholic fatty liver disease and associated ailments. Between 1,500 male and female NAFLD patients are expected to be enrolled in the study, with each participant expected to be traced for around 56 weeks.

4. OCTAVE study reveals vaccine response in patients with impaired immune systems. Preliminary data from the OCTAVE study in August 2021 showed that a significant proportion of clinically at-risk patients with immunocompromised or immunosuppressed conditions mounted a low, or undetectable, immune response after two doses of the same SARS-CoV-2 vaccine.

5. India bans 14 fixed-dose medicines for likely posing risks to health. The Indian government has banned 14 types of fixed-dose combination (FDC) medicines due to a lack of therapeutic justification and potential risks to humans, according to an expert panel's recommendations. FDCs mix two or more active ingredients in a fixed ratio. The FDCs that have been banned include Nimesulide+ Paracetamol dispersible tablets and Pholcodine+ Promethazine, amongst others. The decision has been taken after an earlier restriction of 344 FDCs was challenged by manufacturers in court.