

REPORT ON
POPULAR LECTURES IN BIOTECHNOLOGY UNDER DBT-CTEP PROGRAM

Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

1. Proposal code: DBT/CTEP/04/20241257383
2. Name of Organization: Sardar Vallabhbhai Patel college Bhabua
3. No of lectures organized: Three (Two external & one internal)
4. Duration of each talk: 90 Minutes each lecture
5. Experts:
 - I. **Prof. Dinanath Pandit**, Professor, Department of Zoology, VKSU -ARA
 - II. **Professor Jagar Kumar Roy**, Retired Senior Professor and Head, Department of Zoology, BHU-Varanasi
 - III. **Professor Vinod Kumar Tiwari**, Professor, Department of Chemistry, BHU Varanasi
6. Name of the Applicant: **Dr Anand Prakash**, Assistant Professor, Department of Zoology, Sardar Vallabhbhai Patel College
7. Participating College: SVP College Bhabua, GB College Ramgarh, RSD College Bhagwanpur, MP College Mohania
8. Total Number of Participants: 415

9. Brief introduction About the Expert and the lecture

Lecture-1

About the Expert: Prof. Dinanath Pandit, Department of Zoology, VKSU Ara

Dina Nath Pandit (Vidwan ID score 9.7) is well a known academician, author and researcher in India affiliated to, Department of Zoology, VKSU-Ara. Sardar Vallabhbhai Patel College Bhabua is a constituent unit of VKSU Ara. Prof DN Pandit PhD research area is related to “Live Fish Transportation.” He was the beneficiary of the ICAR and the CSIR fellowship. He taught at UG and PG levels for twenty- two years. He has supervised PhD work of sixteen research students and published around eighty research papers in the Journals of National and International repute. He is the recipient of the several award and appreciation for his academic and research work like Bharat Shiksha Ratna Award from Global Leaders Foundation, Delhi; the Congress of Zoology Medal from the ZSI, India; the SLS Recognition Award from the Society of Life Sciences, Satna, MP, an Eminent Ichthyologist Award from Asian Biological Research Foundation, Prayagraj (India), the SKSS Best Scientist Award and Lifetime Achievement Award from Sarvhit Kalyan Seva Samiti, Meerut and recently, the Prof BB Kaliwal Award from the Zoological Society of India, India. He is a life member of the Society of Fisheries Technologists (India), Cochin and Indian Fisheries Association, Versova, Mumbai. He is a member of the RSB, London; a Fellow member of the RSS, London;

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a Fellow Member of the ZSL, London; General Committee Member of the RSS, London local group in India and many prestigious societies. He authored five textbooks entitled “ANIMAL TAXONOMY - PRINCIPLES AND PRACTICES” from Narendra Publishing House, Delhi; “LIVE FISH TRANSPORTATION” and “FISH BIOLOGY” from NIPA® GENX Electronic Resources & Solutions P. Ltd. New Delhi-110 034 and “STATISTICS: A MODERN APPROACH” as well as “RESEARCH METHODOLOGY FOR Ph.D. COURSEWORK” from Hindustan Publishing Corporation (India), Delhi.

About the Lecture: Topic ‘The evolving landscape of research methodology’ the methods of information and data acquisition in research is continuously evolving as technological advancements, societal changes, the increasing complexity of research problems, and the need for more robust, ethical, and interdisciplinary approaches. Future trends will likely focus on enhancing transparency, leveraging AI-driven insights, and fostering global collaboration across disciplines. Here are some key trends shaping modern research methodologies: 1. Digital tools and AI enhance data collection, analysis, and interpretation. 2. The traditional divide between qualitative and quantitative research is diminishing, with more studies integrating both methods for richer insights. 3. Open-access publishing and data-sharing platforms are becoming standard practices to enhance transparency. 4. Ethical concerns, AI bias, and participant consent are receiving greater attention. 5. Wearable technologies, mobile surveys, and IoT devices enable real-time and continuous data collection. 6. Researchers are engaging the public in collecting and analyzing data, particularly in environmental science, health research, and social studies. 7. Advances in computational modelling, simulations, and network analysis are expanding the scope of research questions. R, Python, and specialized AI tools enable deeper statistical and pattern recognition capabilities.





NATIONAL SCIENCE DAY CELEBRATION

GUEST OF HONOUR
PROF. SUDHAKANTH KUMAR
DEPT. OF ZOOLOGY, WDA, ANA

PRESIDENT
DR. SHAMBA
PRINCIPAL, SVP, BHUJABAI BHABHA

CONVENER
DR. ANAND PRAKASH
DR. ANAND PRAKASH

CO-CONVENER
DR. RAJESH KUMAR SINGH
SR. VICE PRINCIPAL, SVP, BHUJABAI

28 FEB 2025

DBT-SPONSORED POPULAR LECTURE ON "THE EVOLVING LANDSCAPE OF RESEARCH METHODOLOGY"

National Science Day is celebrated every year on 28th Feb to mark the birth anniversary of Dr. Homi J. Bhabha. It is a day when the scientific community comes together to celebrate the achievements of Indian scientists and to promote science education among the young people of the country.

Guest of honour Dr. S. Kumaran is a well-known research scholar in the field of molecular biology, genetics and evolution of diverse insects including research methodologies. It is a privilege to have the Department of Zoology, WDA, ANA.



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Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar



About the Expert: Prof Jagat Kumar Roy, Retd. Senior professor and Ex HoD, Department of Zoology, BHU Varanasi

About the DBT-Sponsored Popular lecture Title of the Talk: Gene, Genetic disorders and Cancer: A glimpse into human papilloma virus induced cervix cancer. This lecture was delivered by Prof JK Roy in the one-

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day seminar on the topic A fight against Cancer: Advances in cancer research and treatment on 11 March 2025. Our genetic material, DNA, is a double stranded

molecule, each strand comprised of a pentose sugarphosphate backbone and nitrogenous bases attached to the backbone. A sequence of the four nitrogenous bases, A, T, G, C, called as a gene, forms the ability to code for an information by forming an RNA and protein. Any change in sequence of bases in a given gene, is termed as mutation and such mutations in specific genes form the basis of genetic disorders. Hemophilia, sickle anemia and certain cancers are some of the examples of genetic disorders. A normal cell has an inherent property of cell division. These cells are mortal, have definite cytoskeletal organization and have a capacity to divide only for a finite number of cell divisions (~50). When grown in vitro, these cells show the property of contact inhibition. In contrast, a 'transformed' cell loses these properties and can undergo infinite numbers of cell divisions in an unregulated manner. In the body of an organism, if a single cell gets transformed, this can multiply in an unrestrained manner resulting in a mass of tissue. The tissue mass thus formed is called a tumour. If the cells lose their tissue specific identity, they are called neoplasm. So long as the tumour cells remain clustered together in a single mass, the tumour is said to be benign, and a complete cure can usually be achieved by removing the mass surgically. A tumour is considered as a cancer only if it is malignant, that is, only if its cells have the ability to invade the surrounding tissue. Invasiveness usually implies, an ability to break loose, or metastasis at other sites in the body. The more widely a cancer metastasizes, the harder it becomes to eradicate. Cancers are classified according to the tissue and cell type from which they arise. Cancer arising from epithelial cells is termed carcinomas, those arising from connective tissues or muscle cells are termed sarcomas. Cancers affecting WBC differentiation are named as leukemia or lymphoma and affecting neural tissue is neuroblastomas. Human papillomavirus (HPV) is one of the most common causes of sexually transmitted disease in both men and women. More than 200 types of HPV have been recognized. Based on their association with cervical cancer and precursor lesions, HPVs can also be grouped into high-risk and low-risk HPV types. In developing countries occurrence of HPV in cervical cancer as well as in the asymptomatic population is high. A study was undertaken in our lab aiming to determine the status of HPV prevalence and its association with different socio-demographic factors in the population from eastern Uttar Pradesh. Prevalence of HPV was investigated in cervical scrape samples of asymptomatic women using primer sets from L1 consensus region of viral genome to detect the presence of HPV, and the positive samples were genotyped by sequencing. 9.9% of the clinically asymptomatic women were found to be infected with HPV comprising 26 different genotypes. Among HPV-positive women, 80.8% showed single infection, while 15.4% harboured multiple infections. HPV-16 was the most prevalent, followed by HPV-31, HPV-6, HPV-81 and HPV-33. Although HPV is essential for the transformation of cervical epithelial cells, but it may not be sufficient, and a variety of cofactors like

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BRN3A and other molecular events influence the establishment of cervical cancer will develop. The details and possible prevention was also discussed in the talk. On other cancer and treatment there was another guest Dr Ridu Sharma, DM Oncology, Magadh Cancer Hospital Patna was delivered his talk on cancer and treatment options.

SARDAR VALLABHBHAI PATEL COLLEGE, BHABUA
 Kaimur, 821101, Bihar
 Supported under DBT-STAR College Program <http://www.sardarvallabhbhai.org>

One day's Seminar on-
THE FIGHT AGAINST CANCER:
ADVANCES IN RESEARCH AND TREATMENT
Date: 11th March 2025

Chief Guest: Prof. Shailendra Kumar Chaturvedi
Associate Vice-Chancellor, VSRU, Bhubaneswar

Guest of Honour: Prof. JK Roy, Cancer and Developmental Biologist
Ex-Head, Department of Zoology, VSRU, Bhubaneswar

DBT Sponsored Popular Lecture on: Gene, Genetic disorders and Cancer: A glimpse into human papilloma virus induced cervix cancer

Special Invited Guest: Dr Ridu Sharma, DM Medical Oncology
Head, Medical Oncology, Magadh Cancer Hospital, Patna

Special Invited talk on the topic Early Detection and treatment of cancers

RESIDENT
DR. SP SHARMA
PRINCIPAL, VVP COLLEGE BHABUA

CONVENOR
DR. ANAND PRAKASH, JODDHY VVP COLLEGE BHABUA
DR. PANDURANGH UPRADHATY, SHREY KIMPA, VVP COLLEGE BHABUA

CO-CONVENOR
DR. AJAY KUMAR RAI, CO-ORDINATOR, BPC, VVP COLLEGE BHABUA
DR. PRATYAKSH SINGH, HOD, DEPARTMENT OF ZOOLOGY, VVP COLLEGE BHABUA

Organised in association with
 ♦ Zoology Department
 ♦ Research, Clinical and Developmental Cell
 ♦ School of Biotechnology
 Sardar Vallabhbhai Patel College Bhabua



जागरूकता

कैंसर के बारे में व्याप्त भ्रम को दूर करने पर जोर

विश्वविश्वविद्यालय

सर्वांगीण स्वास्थ्य का एक महत्वपूर्ण पहलू है, जो केवल शारीरिक स्वास्थ्य से परे है, बल्कि मानसिक और सामाजिक स्वास्थ्य को भी शामिल करता है। डॉ. रिदु शर्मा ने कहा कि कैंसर एक जटिल रोग है, जिसका कारण अक्सर आनुवंशिक त्रुटि, पर्यावरणीय कारकों और जीवनशैली के बदलावों का संयोजन होता है। उन्होंने कहा कि कैंसर का निदान और उपचार समय पर करना आवश्यक है, ताकि रोग को नियंत्रित किया जा सके और जीवन की गुणवत्ता बचाई जा सके।

कैंसर के बारे में व्याप्त भ्रम को दूर करने पर जोर

कैंसर एक जटिल रोग है, जिसका कारण अक्सर आनुवंशिक त्रुटि, पर्यावरणीय कारकों और जीवनशैली के बदलावों का संयोजन होता है। उन्होंने कहा कि कैंसर का निदान और उपचार समय पर करना आवश्यक है, ताकि रोग को नियंत्रित किया जा सके और जीवन की गुणवत्ता बचाई जा सके।

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Lecture 3

About the Expert-3

Professor Vinod K. Tiwari is a distinguished academician and researcher affiliated with the Department of Chemistry at BHU, Varanasi from 2005. He joined BHU as assistant professor in 2005 and became a professor in 2020 in BHU. His area of interest includes, Synthetic Carbohydrate Chemistry, Click Chemistry, Glycodendrimer, BtRC, Medicinal Chemistry. He has done his Ph.D. in Medicinal Chemistry from CSIR-CDRI, with extensive academic experience, 160 publications, 8 patents (h-index: 40, Citation: 6500, IF: 500), teaching and mentoring roles. He is serving as Secretary in ACCT(I) from 2019 and Editor of several prestigious journals like Trends Carbohyd. Res., Current Organic Chemistry, Elsevier-Carbohydrates in Drug Discovery and Development. Professor Vinod Kumar Tiwari has received numerous awards, including top global rankings and specific honors in carbohydrate chemistry from multiple prestigious organizations in his career.

Awards and Honor:

Listed in Top 2% Scientist Ranking Worldwide for the Year 2021
Chemical Research Society of India (CRSI), Bronze Medal for the year 2021.
Most Productive Researcher Award-2019, Banaras Hindu University.
Excellence in Carbohydrate Research Award 2019, ACCT(I).
Dr S S Deshpande Award-2016 for High Impact Contribution in Chemistry.
1st Prof N Roy Award for the Excellence in Carbohydrate Chemistry-2015.
Prof. A. S. R. Anjaneyulu 60th Birthday Commemoration Award-2014.
Chemical Research Society of India, Young Scientist Award-2012.
Dr Ghanashyam Srivastava Medal-2012, Indian Chemical Society.
1st Dr. H C Srivastava Award-2012, ACCT(I). Prof. R C Shah Memorial Lecture Award-2011 (ISCA).
Dr. Arvind Kumar Memorial Award-2010, Indian Council of Chemist.
Young Scientist Award-2010, U.P. Council of Science & Technology.
Young Investigator Prize-ICRABTS 2004 (Offered for the Lecturer, BU).
Dr. D. S. Bhakuni Award-2004, Indian Chemical Society.

About The Lecture:

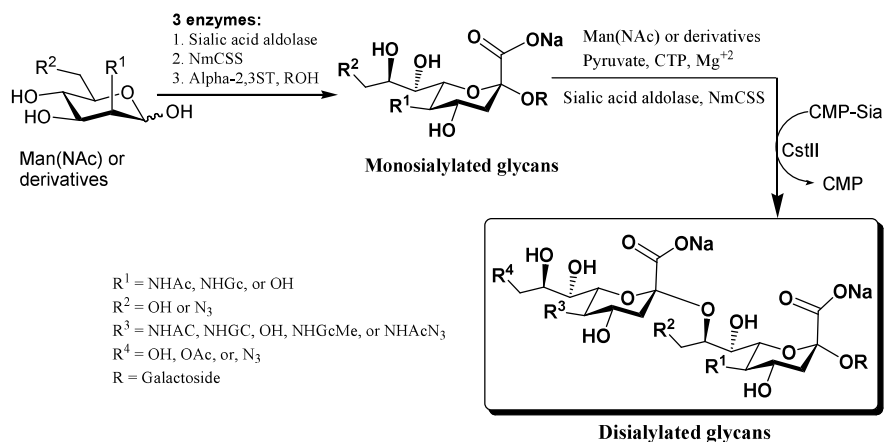
DBT-Sponsored Popular lecture Title: Enzyme Induced Synthesis of Salic Acid containing Glycans: An Ample Opportunities in Drug Discovery and Development:

Carbohydrates containing sialic acid play pivotal roles in many pathologically and physiologically important biological processes such as cellular recognition, adhesion, migration, invasion, and communication, bacterial and viral infection, and tumor metastasis etc. Compared to five- or six- carbons monosaccharides, sialic acids contain a 9-carbon backbone and are much more structurally complex molecules. They have been predominantly found as the terminal carbohydrate units on glycoproteins and glycolipids of vertebrates, as well as components of capsular polysaccharides or lipooligosaccharides of pathogenic bacteria and represent the most important recognition elements as terminal sugars. Three basic forms of sialic acids include Neu5Ac, Neu5Gc, KDN, and their structural modifications with different substitutions lead to more than 50 different naturally occurring sialic acids that further increases the

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complexity of sialic acid-containing structures. To investigate their biological significances, homogenous sialosides especially naturally occurring sialic acid variations on disialyl structures are needed. In this text a detailed discussions about an efficient two-step multienzyme approach for the synthesis of a series of GD3 ganglioside oligosaccharides and other disialyl glycans containing a terminal Sia α 2-8Sia component with different natural and non-natural sialic acids will be presented. Further, we explored modular and highly efficient Click Chemistry and developed a selective Sialo-Porphyrin Dendrimer as Potential Inhibitors for SARS CoV-2 Infection. Our investigation result that SARS-CoV-2 binds preferentially to AcSA porphyrin dendrimer in 3.02 μ M and able to efficiently block SARS-CoV-2 infection. A dendrimer may be effective for other respiratory viral syndromes like SARC-CoV, MERS-CoV, VSV-SARS –CoV-2, etc.



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शाहाबाद/मगध

पटेल महाविद्यालय मगुआ में एक दिवसीय संगोष्ठी का हुआ आयोजन

कैमूर, सोनमध संवाददाता

रसायन शास्त्र विभाग और बायोटेक विभाग के संयुक्त तत्वाधान में जीव प्रौद्योगिकी विभाग, नई दिल्ली द्वारा प्रायोजित एवं आर्थिक अनुदानित सरदार वल्लभभाई पटेल महाविद्यालय मगुआ, कैमूर में एक दिवसीय संगोष्ठी का आयोजन एडवांस इन ड्रग डेवलपमेंट विषय पर हुआ। इस संगोष्ठी के मुख्य वक्ता प्रो. विनोद कुमार तिवारी, रसायनशास्त्र विभाग, बनारस हिन्दू विश्वविद्यालय बनारस और डॉ० महेंद्र खतरावध, रसायनशास्त्र विभाग, दक्षिण बिहार केन्द्रीय विश्वविद्यालय, गया से आए थे। कार्यक्रम का शुभारंभ दीप प्रज्वलन के साथ हुआ। कार्यक्रम में महाविद्यालय की छात्राओं के द्वारा सस्वस्ती वंदना और कुलगीत की प्रस्तुति की गई। कार्यक्रम का मंच संवादन श्रीमती नूतन चौधे ने सफलतापूर्वक किया। डॉ. जितेंद्र कुमार विभागाध्यक्ष रसायनशास्त्र विभाग, सरदार वल्लभभाई पटेल महाविद्यालय मगुआ, कैमूर ने संगोष्ठी में आये वक्ताओं का स्वागत करते हुए ड्रग डेवलपमेंट की भूमिका बताई। डॉ. सोमेश शशि ने वक्ताओं का परिचय कराया। स्टार डी०बी०टी० के समन्वयक डॉ. अनंद प्रकाश ने ड्रग के महत्व को बताते हुए कार्यक्रम के संयोजक को सफल कार्यक्रम आयोजित करने के लिए बधाई दी। इस कार्यक्रम में व्याख्यान



के लिए विशेष सम्मानित अतिथि बनारस हिन्दू विश्वविद्यालय के रसायन शास्त्र के वरिष्ठ प्रोफेसर और जाने माने रसायन विज्ञानी विनोद कुमार तिवारी, तथा दक्षिणी बिहार केन्द्रीय विश्वविद्यालय के रसायन विज्ञानी सहायक प्राध्यापक डाक्टर महेंद्र खतरावध ने अपने सम्बोधन से वर्तमान समय में औषधी विकास में हो रहे शोध और भारतीय वैज्ञानिकों की भूमिका के साथ ही शोध में योगदान से अवगत कराया। इस व्याख्यान का मुख्य लक्ष्य विद्यार्थियों को औषधीय खोज और औषधीय रोग के क्षेत्र में नवीन तकनीकों, संशोधित औषधीय गुणों वाले पदार्थों को चिन्हित तथा परीक्षण के पश्चात् मानव उपयोग में लाने के पूर्व की क्रियाकलापों और सावधानियों को समझना था। विद्यार्थियों और उपस्थित अतिथियों को संबोधित करते हुए प्रोफेसर विनोद कुमार तिवारी ने सिमिलिक एमिड युक्त काबोहाईड्रेट के औषधीय गुणों का

कई रोमांचक और शारीरिक रूप से महत्वपूर्ण जैविक प्रक्रियाओं जैसे सेलुलर पहचान, आसंजन, प्रवास, आक्रमण और संचार, जीवाणु और वायरल संक्रमण और ट्यूमर मेटास्टेसिस आदि में महत्वपूर्ण भूमिका को अपने शोध परिणामों के माध्यम से समझाया। उनके शोध विश्व प्रसिद्ध शोध पत्रिकाओं ने प्रकाशित किए हैं। उनके औषधीय गुणों से युक्त नए सिमिलिक एमिड युक्त काबोहाईड्रेट के रसायन टुंडने में किए शोध ने विश्व में एक मानक स्थापित किया है। दक्षिणी बिहार केन्द्रीय विश्वविद्यालय, बोध गया से आए दूसरे वक्ता डाक्टर महेंद्र खतरावध ने चिकित्सीय रूप से महत्वपूर्ण नाइट्रोजन और ऑक्सीजन युक्त हेटरोसाइकल के संश्लेषण की दिशा में एल्कहान सहायता प्राप्त औषधीय पदार्थों के निर्माण के संबंध में जानकारी दी। आज के कार्यक्रम की अग्रगण्य प्राचार्य डॉ. शंकर प्रसाद शर्मा ने की। इसके संयोजक

रसायनशास्त्र के विभागाध्यक्ष डाक्टर जितेंद्र कुमार और जंतु विभाग के डॉ० अनंद प्रकाश थे। कार्यक्रम के सह संयोजक रसायन शास्त्र के सहायक आचार्य डाक्टर सोमेश शशि थे। कार्यक्रम के बारे में डाक्टर अनंद प्रकाश ने बताया की यह कार्यक्रम कार्यक्रम केमिस्ट्री, जूलॉजी और बायोटेक विभाग के संयुक्त तत्वाधान में कराया जा रहा है तथा यह उच्च-उद्देश्य, भारत सरकार द्वारा आर्थिक रूप से वित्तीय सहायता प्राप्त है। इस ठेकी से बदलते वातावरण में बहुत तेजी से सबकुछ बदल रहा है, हमारे स्वास्थ्य के संबंध में हम ऐसी कितनी परिस्थितियों से गुजर रहे हैं जिनसे हमारे पूर्वजों को सामना नहीं हुआ। इस बदलते परिवेश में स्वास्थ्य क्षेत्र में दवाओं की अपूर्ति के लिए हमारे वैज्ञानिक दिन रात मेहनत कर रहे हैं। आज का कार्यक्रम उसी पहलु पर केंद्रित है। महाविद्यालय के प्राचार्य डॉ. शंकर प्रसाद शर्मा ने अध्यक्ष भाषण में औषधि के क्षेत्र में होने वाले परिवर्तन को रेखांकित करते हुए दोनों वक्ताओं के शोध को क्रांतिकारी बताते हुए उनको मानव स्वास्थ्य के लिए उपयोगी शोध बताया। डाक्टर सोमेश शशि ने कार्यक्रम के समापन की घोषणा भव्यवाद ज्ञापन के साथ की। इस कार्यक्रम में महाविद्यालय के सभी शिक्षक एवं शिक्षक कर्मचारी उपस्थित रहे। महाविद्यालय के लगभग 200 विद्यार्थियों ने कार्यक्रम में बहु-चटकर हिस्सेदारी की।

रोहतास/कैमूर

रश्मि

web: rashmi

एसभीपी कालेज में एडवांस इन ड्रग डेवलपमेंट विषय पर संगोष्ठी आयोजित

कार्यक्रम के शुभारंभ दीप प्रज्वलन व कुलगीत प्रस्तुति

राष्ट्रीय सार संचारदाता

मगुआ : रसायन शास्त्र विभाग और बायोटेक विभाग के संयुक्त तत्वाधान में जीव प्रौद्योगिकी विभाग (डब्ल्यू), नई दिल्ली द्वारा प्रायोजित एवं आर्थिक अनुदानित सरदार वल्लभभाई पटेल महाविद्यालय मगुआ, कैमूर में एक दिवसीय संगोष्ठी का आयोजन हुआ। संगोष्ठी का आयोजन 'एडवांस इन ड्रग डेवलपमेंट' विषय पर हुआ। इस संगोष्ठी के मुख्य वक्ता प्रो. विनोद कुमार तिवारी, रसायनशास्त्र विभाग, बनारस हिन्दू विश्वविद्यालय बनारस और डॉ० महेंद्र खतरावध, रसायनशास्त्र विभाग, दक्षिण बिहार केन्द्रीय विश्वविद्यालय, गया से आए थे। कार्यक्रम का शुभारंभ दीप प्रज्वलन के साथ हुआ। कार्यक्रम में महाविद्यालय की छात्राओं के द्वारा सस्वस्ती वंदना और कुलगीत की प्रस्तुति की गई। कार्यक्रम का मंच संवादन श्रीमती नूतन चौधे ने सफलतापूर्वक किया। डॉ. जितेंद्र कुमार विभागाध्यक्ष रसायनशास्त्र विभाग, सरदार वल्लभभाई पटेल महाविद्यालय मगुआ, कैमूर ने संगोष्ठी में आये वक्ताओं का स्वागत करते हुए ड्रग डेवलपमेंट की भूमिका बताई। डॉ. सोमेश शशि ने वक्ताओं का परिचय कराया। स्टार डी०बी०टी० के समन्वयक डॉ. अनंद प्रकाश ने ड्रग के महत्व को बताते हुए कार्यक्रम के संयोजक को सफल कार्यक्रम आयोजित करने के लिए बधाई दी। इस कार्यक्रम में व्याख्यान



राष्ट्रीय के समन्वयक डॉ. अनंद प्रकाश ने ड्रग के महत्व को बताते हुए कार्यक्रम के संयोजक को सफल कार्यक्रम आयोजित करने के लिए बधाई दी। इस कार्यक्रम में व्याख्यान के लिए विशेष सम्मानित अतिथि बनारस हिन्दू विश्वविद्यालय के रसायन शास्त्र के वरिष्ठ प्रोफेसर और जाने माने रसायन विज्ञानी विनोद कुमार तिवारी, तथा दक्षिणी बिहार केन्द्रीय विश्वविद्यालय के रसायन शास्त्र के सहायक प्राध्यापक डाक्टर महेंद्र खतरावध ने अपने सम्बोधन से वर्तमान समय में औषधी विकास में हो रहे शोध और भारतीय वैज्ञानिकों की भूमिका के साथ ही शोध में योगदान से अवगत कराया। इस व्याख्यान का मुख्य लक्ष्य विद्यार्थियों को औषधीय खोज और औषधीय रोग के क्षेत्र में नवीन तकनीकों, संशोधित औषधीय गुणों वाले पदार्थों को चिन्हित तथा परीक्षण के पश्चात् मानव उपयोग में



लाने के पूर्व की क्रियाकलापों और सावधानियों को समझना था। विद्यार्थियों और उपस्थित अतिथियों को संबोधित करते हुए प्रोफेसर विनोद कुमार तिवारी ने सिमिलिक एमिड युक्त काबोहाईड्रेट के औषधीय गुणों का कई रोमांचक और शारीरिक रूप से महत्वपूर्ण जैविक प्रक्रियाओं जैसे सेलुलर पहचान, आसंजन, प्रवास, आक्रमण और संचार, जीवाणु और वायरल संक्रमण और ट्यूमर मेटास्टेसिस आदि में महत्वपूर्ण भूमिका को अपने शोध परिणामों के माध्यम से समझाया। उनके शोध विश्व प्रसिद्ध शोध पत्रिकाओं ने प्रकाशित किए हैं। उनके औषधीय गुणों से युक्त नए सिमिलिक एमिड युक्त काबोहाईड्रेट के रसायन टुंडने में किए शोध ने विश्व में एक मानक स्थापित किया है। दक्षिणी बिहार केन्द्रीय विश्वविद्यालय, बोध गया से आए दूसरे वक्ता डाक्टर महेंद्र

खतरावध ने चिकित्सीय रूप से महत्वपूर्ण नाइट्रोजन और ऑक्सीजन युक्त हेटरोसाइकल के संश्लेषण की दिशा में एल्कहान सहायता प्राप्त औषधीय पदार्थों के निर्माण के संबंध में जानकारी दी। आज के कार्यक्रम की अग्रगण्य प्राचार्य डॉ. शंकर प्रसाद शर्मा ने की। इसके संयोजक रसायनशास्त्र के विभागाध्यक्ष डाक्टर जितेंद्र कुमार और जंतु विभाग के डॉ० अनंद प्रकाश थे। कार्यक्रम के सह संयोजक रसायन शास्त्र के सहायक आचार्य डाक्टर सोमेश शशि थे। कार्यक्रम के बारे में डाक्टर अनंद प्रकाश ने बताया की यह कार्यक्रम कार्यक्रम केमिस्ट्री, जूलॉजी और बायोटेक विभाग के संयुक्त तत्वाधान में कराया जा रहा है तथा यह उच्च-उद्देश्य, भारत सरकार द्वारा आर्थिक रूप से वित्तीय सहायता प्राप्त है। इस ठेकी से बदलते वातावरण में बहुत तेजी से सबकुछ बदल रहा है, हमारे स्वास्थ्य के संबंध में हम ऐसी कितनी परिस्थितियों से गुजर रहे हैं जिनसे हमारे पूर्वजों को सामना नहीं हुआ। इस बदलते परिवेश में स्वास्थ्य क्षेत्र में दवाओं की अपूर्ति के लिए हमारे वैज्ञानिक दिन रात मेहनत कर रहे हैं। आज का कार्यक्रम उसी पहलु पर केंद्रित है। महाविद्यालय के प्राचार्य डॉ. शंकर प्रसाद शर्मा ने अध्यक्ष भाषण में औषधि के क्षेत्र में होने वाले परिवर्तन को रेखांकित करते हुए दोनों वक्ताओं के शोध को क्रांतिकारी बताते हुए उनको मानव स्वास्थ्य के लिए उपयोगी शोध बताया। डाक्टर सोमेश शशि ने कार्यक्रम के समापन की घोषणा भव्यवाद ज्ञापन के साथ की। इस कार्यक्रम में महाविद्यालय के सभी शिक्षक एवं शिक्षक कर्मचारी उपस्थित रहे। महाविद्यालय के लगभग 200 विद्यार्थियों ने कार्यक्रम में बहु-चटकर हिस्सेदारी की।

REPORT ON POPULAR LECTURES IN BIOTECHNOLOGY UNDER DBT-CTEP PROGRAM

Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

10. Attendance

Popular Lecture-1

Topic: The Evolving landscape of research methodology

Expert: Prof Dina Nath Pandit, VKSU Ara (Internal)

Number of Participants: 142, Duration: 90 Min

"The Evolving Landscape of Research Methodology"

DBT-Sponsored Popular Lecture

SVP College Bhabua, Kaimur Bihar 821101

Topic:-

Date: 28.10.25....

Attendance Sheet

S. No	Name of Participants	Subject	Signature
01.	Beauty Rani Shakya	Math (MJC)	Beauty Rani Shakya
02.	Rajani Kumari	Math (MJC)	Rajani Kumari
03.	Sonam Kumari	Mathematics (MJC)	Sonam Kumari
04.	Snisha Kumari	Zoology (MJC)	Snisha Kumari
05.	Amrita Kumari	Zoology (MJC)	Amrita Kumari
06.	Chandani Kumari	Physics (MJC)	Chandani Kumari
07.	Akanksha Kumari	Chemistry (MJC)	Akanksha Kumari
08.	Supriya Kumari	English (MJC)	Supriya Kumari
09.	Priyanshu Kumari	Mathematics (MJC)	Priyanshu Kumari
10.	Khushbu Kumari	Physics (MJC)	Khushbu Kumari
11.	Rishi Kumari	Physics (MJC)	Rishi Kumari
12.	Priya Kumari	Mathematics (MJC)	Priya Kumari
13.	Varsha Kumari	Mathematics (MJC)	Varsha Kumari
14.	Vishakha Kumari	Physics (MJC)	Vishakha Kumari
15.	KRITI KUMARI	Mathematics (MJC)	Krity Kumari
16.	Snishiti Kumari	Botany (MJC)	Snishiti Kumari
17.	Deepshikha Kumari	Botany (MJC)	Deepshikha Kumari
18.	Rani Kumari	History (MJC)	Rani Kumari
19.	Priya Kumari	History (MJC)	Priya Kumari
20.	Priti Kumari	History (MJC)	Priti Kumari
21.	SHIVANI KUMARI	History (MJC)	Shivani Kumari
22.	ABHISHEK KUMAR	Physics (MJC)	Abhishek Kumar
23.	Vipin Vishwakarma	Math (MJC)	Vipin Vishwakarma
24.	Sumit Kumar Pandey	Physics (MJC)	Sumit Kumar Pandey
25.	Aashirya Yadav	Economics (MJC)	Aashirya Yadav
26.	Asha Kumari	Chemistry (MJC)	
27.	RAMADEEN SAINI	Gen Off/BioTech	Ramadeen Saini
28.	Sulbhi Kumari	Physics (MJC)	Sulbhi Kumari
29.	Divya Kumari	Zoology (MJC)	Divya Kumari
30.	Juli Patel	Zoology (MJC)	Juli Patel

**REPORT ON
POPULAR LECTURES IN BIOTECHNOLOGY UNDER DBT-CTEP PROGRAM**

Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

S. No	Name of Participants	Subject	Signature
31	1. Maitiyanjay - Kumar	Physics (hon)	Maitiyanjay - Kumar
32	2. Parishankar Kumar	Physics (Hons)	Parishankar Kumar
33	3. Akash Patel	Botany (Hons)	Akash Patel
34	4. Prabhat Kumar	Physics (Hons)	Prabhat Kumar
35	5. Vinay K. Patel	Botany (Hon)	Vinay K. Patel
36	6. Anuj Agrawal	Physics (Hon)	Anuj Agrawal
37	7. Sandeep Shrivastav	Zoology (Hon)	Sandeep Shrivastav
38	8. PUSHKAR UPADHYAY	ZOOLOGY (Hons)	Pushkar Upadhyay
39	9. RAKESH SINGH	Dep. zoology (Hon)	Rakesh Singh
40	10. PRIYANSHU KUMAR	HISTORY - PG	Priyanshu Kumar
41	11. Shambhu Kumar Gupta	History - PG	Shambhu Kumar Gupta
42	12. Aditya Kumar	History - PG	Aditya Kumar
43	13. Anuj Kumar Singh	History - PG	Anuj Kumar Singh
44	14. Jai Ravi	B.S.C Biotech	Jai Ravi
45	15. VIKASH KUMAR	History - PG-1	Vikash Kumar
46	16. NITISH KUMAR	History - PG-1	Nitish Kumar
47	17. Akash Pandey	Physics - (Hons)	Akash Pandey
48	18. ARJUN SAHAR	Zoology Hon.	Arjun Sahar
49	19. Chandan Kumar Sharma	Botany (Hon)	Chandan Kumar Sharma
50	20. Sudhir Kumar	Physics (Research & Hon)	Sudhir Kumar
51	21. Manideep Kumar Sharma	Zoology - UG	Manideep Kumar Sharma
52	22. Dewendra Nath	BCA	Dewendra Nath
53	23. Ujjwal Pathak	BSC - UG - 2013-27	Ujjwal Pathak
54	24. ABHINAVAN SINGH	BSC - UG - 2013-28	Abhinav Singh
55	25. Manish Kumar	M.A : PG - 2013-26	Manish Kumar
56	26. Manish Kumar	M.A : PG - 2013-26	Manish Kumar

S. No	Name of Participants	Subject	Signature
57	1. Neha Kumari	Bsc. Biotech (1st)	Neha Kumari
58	2. Ragini Kumari	Bsc. Biotech (1st)	Ragini Kumari
59	3. Mahwish Jahan	Bsc. Biotech (1st)	Mahwish Jahan
60	4. Nityanand Singh	Bsc. Biotech (1st)	Nityanand Singh
61	5. Jai Ravi	Bsc. Biotech (1st)	Jai Ravi
62	6. Satya Kumari	B.Sc chemistry (Hon)	Satya Kumari

**REPORT ON
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Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

Attendance Sheet

S. No	Name of Participants	Subject	Signature
63	Krishna Pandey	BA:- Pol. Science	<i>[Signature]</i>
64	Vijay Kumar Pascoe	B.Sc - Chemistry	Vijay Kumar
65	Shyam Prakash Tiwari	BA:- Pol. Science	S.P. Tiwari
66	Pritam Kumar	B.Sc - PHYSICS	Pritam Kumar
67	Tushar Sharma	B.Sc - Physics	Tushar
68	Pritam Kumar	B.Sc - Physics	Pritam Kumar
69	ABHISHEK KUMAR	B.Sc - PHYSICS	Abhishek Kumar
70	Debatmananj	B.C.A - III	Debatmananj
71	Manideep Kumar Sharma	BSC - sem-I Zoology	Manideep
72	ABHINAV ANAND SINGH	BSC - sem-III math	Abhinav Singh
73	UJJVAL PATHAK	BSC - Sem-III math	Ujjval Pathak
74	Manish Kumar	M.A - Sem-I His	Manish Kumar

Attendance Sheet

S. No	Name of Participants	Subject	Signature
75	1. Jai Rav	B.S.C Biotech	Jai Rav
76	2. Rohit Kumar Mavge	B.S.C Zoology	Rohit K. Mavge
77	3. Shivam Patel	B.C.A	Shivam Patel
78	4. Ashish Kumar	B.S.C Botany (iv)	Ashish Kumar
79	5. SAYED SHOAIB	B.Sc-Botany (sem IV)	Sayed Shoaib
80	6. Ashish Kumar	B.Sc. Physics	Ashish Kumar
81	7. Satish Kumar Gupta	B.S.C Botany iv	Satish Kumar Gupta
82	8. Anish Patel	Bsc math	Anish Patel
83	9. Anand Kr. Maurya	Bsc Zoology	Anand Kr. Maurya
84	10. Gaurdhan Upadhyay	His fory	Gaurdhan Upadhyay

S. No	Name of Participants	Subject	Signature
85	1. Mansi Maurya	Mathematics	Mansi Maurya
86	2. Anshika Kumari	Mathematics	Anshika Kumar
87	3. Fauziya Tabassum	HISTORY (HON)	Fauziya Tabassum
88	4. Jyoti Kumari	History (S. III)	Jyoti Kumari
89	5. Rimjhim Kumari	History pg Sem III	Rimjhim Kumari
90	6. Babita Kumari	Political sci III	Babita Kumari
91	7. Anchal Kumari	HINDI sem (iv)	Anchal Kumari
92	8. Amisha Kumari	Geography B.A (III)	Amisha Kumari
93	9. Srishy Patel	Political science (iv)	Srishy Patel
94	10. Shyam Kumar	English (III)	Shyam Kumar
95	11. Siddam Kumar	Eco (III)	Siddam Kumar

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Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

Attendance Sheet

S. No	Name of Participants	Subject	Signature
96	01. Kalish Srivastava	BOTANY (23-24)	Kalish
97	02. Kalik Srivastava	BOTANY (24-28)	Kalik
98	03. Kinkee Kumari	HISTORY (2023-2025)	Kinkee Kumari
99	04. Santoshi Kumari	ZOOLOGY (24-28)	Santoshi Kumari
100	05. Jyoti Kumari	HISTORY (2023-2025)	Jyoti Kumari
101	1. Kalpana Chauhan	Biotechnology	Kalpana Chauhan
102	2. Purnam Kumari	BOTANY (MJC)	Purnam Kumari
103	3. Aditi Kumari	Physics (MJC)	Aditi Kumari
104	4. Nandani Singh	Physics (MJC)	Nandani Singh
110	1. Niraj Kumari	ZOOLOGY (MJC)	Niraj Kumari
111	2. Zeenat Fatima	ZOOLOGY (MJC)	Zeenat Fatima
112	3. Khushi Kumari	ZOOLOGY (MJC)	Khushi Kumari
113	4. Nandanikumari	PHYSICS (MJC)	Nandanikumari

S. No	Name of Participants	Subject	Signature
114	Neeraj Kumar	ZOOLOGY	Neeraj Kumar
115	Akhilesh Kumar	"	Akhilesh Kumar
116	Ranjit Kumar	"	Ranjit Kumar
117	Nitish Kumar	"	Nitish Kumar
118	Harsh Vardhan Singh	"	Harsh Vardhan
119	Anup Kumar		Anup Kumar
120	Anurag Kumar		Anurag
121	Aman Kumar		Aman K.
122	Prince		Prince
123	Nitesh Kumar		Nitesh Kumar
124	Shahid Khan		Shahid Khan
125	Priyanshu - Patel		Priyanshu Patel
126	Anuj Kumar		Anuj Kumar
127	md usaid		md usaid
128	RASHI Kumar		RASHI Kumar
129	Chandra Prakash		Chandra Prakash
130	Chhabi Biml		Chhabi Biml
131	Sita Kumari		Sita Kumari
132	Mamta Kumari		Mamta Kumari
133	REYANSH HARSH		Reyansh Harsh
134	MUKESH KUMAR		Mukesh Kumar
135	Aarav Jaipwal		Aarav Jaipwal
136	Chetan Prakash Gupta		Chetan Prakash
137	Jyoti Kumari		Jyoti Kumari
138	priti kumari		priti kumari
139	Param Prakash		Param Prakash
140	Naveen Singh		Naveen Singh
141	Kabita Kumari		Kabita Kumari
142	shivanikumari		shivanikumari

REPORT ON POPULAR LECTURES IN BIOTECHNOLOGY UNDER DBT-CTEP PROGRAM

Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

Attendance Popular Lecture-2

Topic: Gene, Genetic disorders and Cancer: A glimpse into human papilloma virus induced cervix cancer

Expert: Prof Jagat Kumar Roy, Retired Senior Professor and Head, Department of Zoology, BHU Varanasi (External)

Number of Participants:

133, Duration: 90 Min

DBT-Sponsored Popular Lecture
SVP College Bhabua, Kaimur Bihar 821101

Topic: Gene, Genetic disorders and Cancer: A glimpse into human Papilloma virus induced cervix cancer Date: 11th March 2023

Attendance Sheet

S. No	Name of Participants	Subject	Signature
1	Anushka Kumari	Zoology	Anushka Kumari
2	Nandani Kumari	Physics	Nandani Kumari
3	Aditi Kumari	Physics (MTC)	Aditi Kumari
4	Nandani Singh	Physics (MTC)	Nandani Singh
5	Amrita Kumari	Physics (MTC)	Amrita Kumari
6	Navya Kumari	B.A Ist sem	Navya
7	Ankita Prabhakar	Biotech Ist sem	Ankita Prabhakar
8	Kushi Kumari	BA - I sem	Kushi Kumari
9	Sonam Kumari	BSc Mathematics	Sonam K.
10	Khushi Kumari	B.Sc-I physics	Khushi Kumari
11	Swabhi Kumari	B.Sc-I Physics (MTC)	Swabhi Kumari
12	Anmol Raj	B.Sc I Botany (MTC)	Anmol Raj
13	Zeena Fatima	B.Sc Zoology (MTC)	Zeena Fatima
14	Khushi Kumari	B.Sc Zoology (MTC)	Khushi Kumari
15	Jyoti Kumari	B.Sc Zoology (MTC)	Jyoti Kumari
16	Raushani Kumari	B.Sc Biotech	Raushani Kumari
17	Purva Kumari	B.Sc Biotech	Purva Kumari
18	Kshitika Kumari	B.Sc Biotech	Kshitika Kumari
19	Sweta Kumari	B.Sc Biotech	Sweta Kumari
20	Ananya Dixit	B.Sc Biotech	Ananya Dixit
21	Pranshal Kumari	Psychology	Pranshal Kumari
22	Rimzim Kumari	B.Sc part - I (MTC)	Rimzim Kumari
23	Kavita Kumari	B.A Sem 2 History	Kavita Kumari
24	Nidhi Kumari	B.A Sem History	Nidhi Kumari
25	Kurum Kumari	B.Sc Zoology	Kurum Kumari
26	Chandani Poojari	Zoology - MTC	Chandani Poojari
27	Chandani Kumari	Zoology - MTC	Chandani Kumari
28	Shraddha Kumari	Zoology MTC	Shraddha Kumari
29	Akshita Kumari		Akshita Kumari
30	Nishaj Kumari	Zoology MTC	Nishaj Kumari
31	Sikha Kumari		Sikha Kumari
32	Neha Kumari	Zoology (MTC)	Neha Kumari
33	Kriti Sonraj	B.Sc Zoology (MTC)	Kriti Sonraj
34	Mahima Kumari	B.Sc Biotech	Mahima Kumari
35	Mansi Maurya	B.Sc (Mathematics)	Mansi Maurya
36	Kalika Srivastava	B.Sc (BOTANY)	Kalika
37	Kalika Srivastava	B.Sc / BOTANY	Kalika

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Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

38) Chondani Kumari	B.Sc (Physics)	Chondani Kumari
39) Priya Tiwari	B.Sc (zoology)	Priya Tiwari
40) Kajal Kumari	B.Sc (zoology)	Kajal Kumari
41) Shristy Kumari	B.Sc (zoology)	Shristy Kumari
42) Roushani Kumari Singh	B.Sc (zoology)	Roushani Kumari Singh
43) Aditi Kumari	B.Sc (zoology)	Aditi Kumari
44) Divya Pathak	B.Sc (Botany)	Divya Pathak
45) Sneha Kumari	B.Sc (Botany)	Sneha Kumari
46) Poonam Kumari	B.A (Hon) (Eco)	Poonam Kumari
47) Anshika Kumari	B.Sc (Mathematics)	Anshika Kumari

80 (32)	Akash Kumar	B.Sc (Mathematics)	Akash K
81 (33)	Bipin Kumar Singh	B.Sc (P.S.Y) (24-28)	Bipin Kumar Singh
82 (34)	Khusli Kumari	B.Sc (zoology) 23-27	Khusli Kumari
83 (35)	Ragani Kumari	B.Sc (zoology) 23-27	Ragani Kumari
84 (26)	Ajari Kumari	B.Sc Zoology 232	Ajari Kumari
85	Nandana Kumari	B.Sc zoology 601	
86 (27)	Aparita Kumari	B.Sc	
87 (28)	Nikki Kumari	B.Sc - Zoology 96	
88 (29)	Sejal Kumari Gupta	B.Sc - Zoology - 94	

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Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

Attendance Sheet

S. No	Name of Participants	Subject	Signature
08	1. Mrityunjay - Kumar	Phy (Hons) 24-28	Mrityunjay
09	2. Ravishankar Kumar	physics (Hons)	Ravishankar
50	3. SHIV kumar	PSY (Hons) 24-28	Shiv Kumar
51	4. Rakesh Kumar goud	Botany (Hons) 24-28	Rakesh Kumar goud
52	5. Vinay K.R. Patel	Botany (Hons) 24-28	Vinay K.R. Patel
53	6. SANDEEP SHRIVASTAVA	Zoology (Hons) 24-28	Sandeep Shrivastava
54	7. Pushkar Upadhyay	Zoology (Hons) 24-28	Pushkar Upadhyay
55	8. Manideep kumar Sharma	Zoology (Hons) 24-28	Manideep
56	9. Anand kumar Maurya	Zoology (Hons) 24-28	Anand K. Maurya
57	10. Aman Dubey	Zoology (Hons) 24-28	Aman Dubey
58	11. Anurag Prakash	Zoology (Hons) 24-28	Anurag Prakash
59	12. Aditya Raj	Mathematics (Hons) 24-28	Aditya Raj
60	13. SAYED SHOAIB	Botany (2023-24)	Sayed Shoaib
61	14. Ashish Kumar	Botany (2023-24)	Ashish Kumar
62	15. RAKESH SINGH	Zoology (MSc) 24-28	Rakesh Singh
63	16. DIWAKAR KUMAR	BSC Biotech	Diwakar Kumar
64	17. Kaif Khan	BSC Biotech	Kaif Khan
65	18. Rajnikant Tiwari	BSC / Mathematics	Rajnikant Tiwari
66	19. Rajnish Kumar	B.A (Hindi) 24-28	Rajnish Kumar
67	20. Avinash Prasad	B.A POL. Sci	Avinash Prasad
68	21. Abhishek Kumar	B.A POL. Sci	Abhishek
69	22. Ragini Tiwari	B.Sc (Zoo) 24-28	Ragini
70	23. Akash Singh	B.Sc (Zoo) 24-28	Akash Singh
71	24. Ankit Kumar	B.A (History) 24-28	Ankit Kumar
72	25. Anup Kumar	B.A (History) 24-28	Anup Kumar
73	26. Himanshu Kumar	B.A (History) 24-28	Himanshu Kumar
74	27. Saurabh Kumar	B.A (Political Science) 24-28	Saurabh K.
75	28. Mohit Kumar	BSC / PHY (2024-28)	Mohit Kumar
76	29. Krishna Kant Kumar	B.Sc (Chemistry) (24-28)	Krishna Kant Kumar
77	30. JAYPRAKASH BAIHA	B.Sc (Chemistry) (24-28)	Jayprakash Baiha
78	31. Uttam Kumar	B.Sc (Chemistry) (24-28)	Uttam Kumar

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Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

S. No	Name of Participants	Subject	Signature
89	1. Nityanand Singh	B.Sc. Biotech	Nityanand Singh
90	2. Abhishek Kumar	B.Sc. Biotech	Abhishek Kumar
91	3. Jai Ray	B.Sc. Biotech	Jai Ray
92	4. Vikrant Patel	B.C.A	Vikrant
93	5. Shivan Mishra	B.C.A	Shivan Mishra
94	6. Ragini Kumari	B.Sc. Bio-tech	Ragini Kumari
95	7. Neha Kumari	B.Sc. Bio-tech	Neha Kumari
96	8. Mahwish Jahon	B.Sc. Bio-tech	Mahwish Jahon
97	9. Keerani Kumari	B.A (History)	Keerani Kumari
98	10. Sandeep Kumar	Biotech	SK
99	11. Shreya Ray	Biotech	Shreya
100	12. Aman Dubey	B.Sc. (Sem II)	Aman Dubey
101	13. Divya Kumbar	B.Sc (Sem-IV)	Divya Kumbar
102	14. Juli Patel	B.Sc (Sem-IV)	Juli Patel
103	15. Paulus Kumar	B.Sc chemistry	Paulus Kumar

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Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

S. No	Name of Participants	Subject	Signature
104	Pawan Kr. Dubey	zoology	Pawan Kr. Dubey
105	Ritesh Tiwari	"	Ritesh Tiwari
106	Abhinav Kumar	"	Abhinav Kumar
107	Kamlesh Kumar	"	Kamlesh Kumar
108	AYUSH PRABHAKAR	"	AYUSH PRABHAKAR
109	Rani Kumari	"	Rani Kumari
110	Priachi Kumari	"	Priachi Kumari
111	Sadhna Jaiswal	"	Sadhna Jaiswal
112	Beauty Kumari		Beauty Kumari
113	Amita Kumari Maurya		Amita Kumari Maurya
114	Purnam Kumar		Purnam Kumar
115	Amal Kumari		Amal Kumari
116	Ajeet Kumar		Ajeet Kumar
117	Aman Kumar		Aman Kumar
118	Chhotu Kumar		Chhotu Kumar
119	Sonu Kumar Yadav		Sonu Kumar
120	Priyanka Chatterjee		Priyanka Chatterjee
121	Muskan Kumari		Muskan Kumari
122	Mahima Kumari		Mahima Kumari
123	Soni Kumari		Soni Kumari
124	Ankita Kumari		Ankita Kumari
125	Madhuri Kumari		Madhuri Kumari
126	Nisha Kumari		Nisha Kumari
127	Akshita Kumari		Akshita Kumari
128	Sonali Kumar		Sonali Kumar
129	Pulpaneshu Kumar		Pulpaneshu Ku.
130	Abhishek Kumar Singh		Abhishek Singh
131	Satyam Kumar		Satyam Kumar
132	Shivam Kr Upadhyay		Shivam Kr Upadhyay
133	Nitish Kumar		Nitish Kumar

Attendance
Popular Lecture-3

Topic: Enzyme Induced Synthesis of Salic Acid containing Glycans: An Ample Opportunities in Drug Discovery and Development

Expert: Prof. Vinod Kumar Tiwari, Professor, Department of Chemistry, BHU Varanasi (External)

Number of Participants: 140, Duration: 90 Min

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Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

DBT-Sponsored Popular Lecture

SVP College Bhabua, Kaimur Bihar 821101

Topic:- Enzyme induced synthesis of salic acid containing Glycosides
An ample opportunity in drug development and Discovery
Date: 25/04/2025

Attendance Sheet

S. No	Name of Participants	Subject	Signature
1	Dr. Varshidha Upadhyay	Hindi	[Signature]
2	Dr. Anand Prakash	Zoology	[Signature]
3	Dr. Manoj Kumar	Chemistry	[Signature]
4	Dr. Seema Patel	History	[Signature]
5	Dr. Manoj Kumar	M.D.R. Patel Degree Mahila College Bhabua - 821101	[Signature]
6	Sunil Kumar Singh	B.G. College Bhabua Chemistry	[Signature]
7	Dr. Sangeeta Singh	History	[Signature]
8	Rishabh Singh	Chemistry	[Signature]
9	Rajendra Kumar	Chemistry	[Signature]
10	Raushani Kumari	Biotech 2 nd year	[Signature]
11	Zeena Fatima	Zoology	[Signature]
12	Durga Kumari	B.Sc. Biotech 2 nd year	[Signature]
13	Mahwish Tahan	B.Sc. Biotech 1 st year	[Signature]
14	Nityanand Singh	B.Sc. Biotech 1 st year	[Signature]
15	Md. Shahid Khan	B.Sc. Biotech 2 nd year	[Signature]
16	Kaushalya Kumari	B.Sc. Biotech 2 nd year	[Signature]
17	Shivani Kumari	B.Sc. Biotech 1 st year	[Signature]
18	Doojendu Kumari	B.Sc. Sem-4 (Zoo)	[Signature]
19	Divya Kumari	B.Sc. Zoology (Sem-4)	[Signature]
20	Juli Patel	B.Sc. Zoology (Sem-4)	[Signature]
21	Vandana Kumari	B.Sc. Zoology (Sem-4)	[Signature]
22	Anisha Kumari	B.Sc. Zoology (Sem-4)	[Signature]
23	Aradhya Dixit	B.Sc. Biotech - 1 st year	[Signature]
24	Vikas Kumar	M.Sc. (Chemistry)	[Signature]
25	Bhaskar Kumar	M.Sc. (Chemistry)	[Signature]
26	Vikrant Kumar	M.Sc., Sem-II (CHE)	[Signature]
27	Dr. Bhupendra Shukla	Ph.D. Dep. Philosophy - B. Shukla	[Signature]
28	Dr. Ashish K. Dubey	Psychology	[Signature]
29	Dr. Sonal	HOD, Dept of Philosophy	[Signature]

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Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

S. No.	Name of Participants	Subject	Signature
30	1. Zeenat Fatima	Zoology (Sem-4)	Zeenat Fatima
31	2. Raushani Kumari	Biotech 2 nd year	Raushani Kumari
32	3. Durga Kumari	B.T., Biotech 2 nd year	Durga Kumari
33	4. Kaushalya Kumari	Biotech 2 nd year	Kaushalya Kumari
34	5. Shivani Kumari	Biotech 1 st Year	Shivani Kumari
35	6. Mahwish Jahan	Biotech 1 st Year	Mahwish Jahan
36	7. Md. Shahid Khan	Biotech 2 nd year	
37	8. Nityanand Singh	Biotech 1 st year	
38	9. Abhishek	Biotech 1 st year	
39	10. Divya Kumari	Zoology (Sem-4)	Divya Kumari
40	11. Doojendu Kumari	Zoo (Sem-4)	Doojendu Kumari
41	12. Juli Patel	Zoology (Sem-4)	Juli Patel
42	13. Vandana Kumari	Zoology (Sem-4)	Vandana Kumari
43	14. Anisha Kumari	Zoology (Sem-4)	Anisha Kumari
44	15. Aradhya Dixit	Biotech-II year	Aradhya
45	16. Jai Rav	Biotech 1-year	Jai
46	17. Himanshu Patel		Himanshu Patel
47	18. Nitish Kumar Pathak	M.Sc.-III Sem (2023-25)	Nitish Kumar
48	19. Abhishek Kumar Thuri	M.Sc.-III Sem "	Abhi
49	20. Ravi Ranjan	M.Sc.-III (23-25) Chemistry	Ravi Ranjan
50	21. Surya Prakash Ranjan	M.Sc.-III (23-25) Chemistry	S.P. Ranjan
51	22. Abhishek Kumar	M.Sc.-III (23-25) Chemistry	Abhishek Kumar
52	23. Pankaj Kumar Sharma	M.Sc.-III (23-25) Chemistry	Pankaj Sharma
53	24. SHASHIKAN PRAJAPATI	M.Sc.-III (23-25) CHEMISTRY	Shashikan Prajapati
54	25. Deepak Kumar	M.Sc.-II (24-26) CHE	Deepak Kumar
55	26. Jay Prakash Kumar	M.Sc.-II (2024-26) Chemistry	Jay Prakash Kumar
56	27. Ankur Kr. Yadav	M.Sc. III (2023-25) Chem.	Ankur Kumar
57	28. Dr. Manish Kumar - Asst. Prof. & Co.		Manish

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Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

S. No	Name of Participants	Subject	Signature
53	1. Vishal Kumar Maurya	Zoology	Vishal Kumar Maurya
55	2. Raif Khan	Biotech	Raif Khan
60	3. Binu Kumar	Bium	Binu Kumar
61	4. DIWAKAR KUMAR	Biotech	Diwan
62	5. Jai Rav	Biotech	Jai
63	6. Himanshu Patel	Biotech	Himanshu Patel
64	7. MD AIZAL AHMED	Chemistry	MD Aizal Ahmed
65	8. Munna Kumar	chemistry	Munna Kumar
66	9. KRISHNA KUMAR	Chemistry	Krishna Kumar
67	10. Dhnananjay Tiwari	chemistry (M.Sc)	Dhnananjay Tiwari
68	(11) Jitendra Kumar	Chemistry (M.Sc)	Jitendra Kumar
69	12. VIKASH KUMAR	chemistry (M.Sc)	Vikash Kumar
70	13. Brajesh Kumar	chemistry (M.Sc.C)	Brajesh Kumar
71	14. Shaurya Raj	Chemistry (M.Sc 23-25)	Shaurya Raj
72	15. NITISH KUMAR	Chemistry (M.Sc 23-25)	Nitish Kumar
73	16. Satyendra Kumar	chemistry (M.Sc-23-25)	Satyendra Kumar
74	17. Penu Gupta	chemistry (M.Sc 23-25)	Penu Gupta
75	18. Anisha Rai	Chemistry (M.Sc 23-25)	Anisha Rai
76	19. Khushi Kumari	chemistry (BSc-24-25)	Khushi Kumari
77	20. Abhishek Kumar	Chemistry M.Sc	Abhishek Kumar
78	21. Shishu Kumar	Zoology (BSc-2024-26)	Shishu Kumar
79	22. Rahul Kumar Singh	Chemistry (M.Sc-2024-26)	Rahul K. Singh
80	23. Rahul Kumar	Chem. (M.Sc. 2024-26)	Rahul K.
81	24. Santosh Vaskar	Chem. (M.Sc. 2024-26)	Santosh Vaskar
82	25. Deepakash Kumar	Chemistry (M.Sc. 2024-26)	Deepakash Kumar
83	26. Ankit K. Yadav	Chemistry (M.Sc (2023-25))	Ankit Kumar
84	27. Dr. Seema Singh	Psychology	Seema Singh

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S. No	Name of Participants	Subject	Signature
85	1. Shilpi Kumari	Zoology (MJC)	Shilpi Kumari
86	2. Arpita Kumari	Zoology (MJC)	Arpita Kumari
87	3. Anshu Kumari	Zoology (MJC)	Anshu Kumari
88	4. Neha Kumari	Zoology/MJC	Neha Kumari
89	5. Manshi Thakur	Zoology / MJC	Manshi
90	6. Swabhi Kumari	Physics / MJC-II	Swabhi Kumari
91	7. Swabhi Kumari	Zoology / MJC-II	Swabhi Kumari
92	8. Madhu Kumari	Chemistry (BMSII)	
93	9. Ragani Kumari	Zoology	Ragani Kumari
94	10. Megha Kumari	Chemistry	Megha Kumari
95	11. Mahima Kumari	Biotech (BSc)	Mahima Kumari
96	12. Santoshi Kumari	Zoology	Santoshi Kumari
97	13. Diksha Patel	Botany (MJC-II)	Diksha Patel
98	14. SONAM KUMARI	BOTANY (MJC-II)	Sonam Kumari
99	15. Sushmita Kumari	BOTANY (MJC-II)	Sushmita Kumari
100	16. Pritam Kumari	CHEMISTRY (MJC-II) - Pritam Kumari	
101	17. Kumari Simran Narayan	Zoology (MJC)-IV	Simran Narayan
102	18. Mansi Maurya	Mathematics (MJC-I)	Mansi Maurya
103	19. Khushi Kumari	Zoology MJC (IV) K	Khushi Kumari
104	20. Rekha Kumari	mathematics (MJC)	Rekha Kumari
105	21. Deepika Maurya	mathematics (MJC)	Deepika Maurya
106	22. Khushi Kumari	mathematics (MJC)	Khushi Kumari
107	23. Dr. Mahender Khatawadi	chemistry	Dr. Mahender Khatawadi
108	24. Vinod K. Tiwari	chemistry	Vinod K. Tiwari
109	25. Dr. A. N. Tiwari	Geography	Dr. A. N. Tiwari
110	26. Dr. Sonali Shastri	Chemistry	Sonali Shastri

**REPORT ON
POPULAR LECTURES IN BIOTECHNOLOGY UNDER DBT-CTEP PROGRAM**

Sardar Vallabhbhai Patel College Bhabua, Kaimur 821101, Bihar

S. No.	Name of Participants	Subject	Signature
1	Ashutosh Dey	PhD Chem.	Ashutosh Dey
2	Kashish Srivastava	MJC- BOTANY	Kashish Srivastava
3	Kumbum Kumari	MJC- Botany	Kumbum Kumari
4	Shrutie Singh	MJC- Botany	Shrutie Singh
5	Gulceli Kumari	MJC- philosophy	Gulceli Kumari
6	Vishakha Kumari	MJC- Physics	Vishakha Kumari
7	Donam Kumari	MJC- physics	Donam Kumari
8	KRITY KUMARI	MJC- mathematics	Krity Kumari
9	SAJIYA KHATUN	MJC- physics	Sajiya Khatun
10	POONAM KUMARI	chemistry (m.sc sem III)	Poonam Kumari
11	Shree Upadhyay	Botany (MJC sem IV)	Shree Upadhyay
12	Divyra Pathak	Botany (MJC IV)	Divyra Pathak
13	Anjali	Zoology (MJC-IV)	Anjali Tiwari
14	Manisha Kumari	Chemistry m.sc III	Manisha Kumari
15	Shwetmala Kumari	chemistry (m.sc III)	Shwetmala Kumari
16	Kajal Kumari	MJC- II Chemistry	Kajal Kumari
17	Neha Kumari	MJC- II chemistry	Neha Kumari
18	Nandani Kumari	MJC- II Physics	Nandani Kumari
19	Manisha Kumari	MJC- II Physics	Manisha Kumari
20	ARJITA KUMARI	MJC- II Mathematics	Arjita Kumari
21	Muskan Singh	MJC- II Physics	Muskan Singh
22	Ragini Kumari	MJC- II Zoology	Ragini Kumari
23	Amrita Kumari	MJC- II Physics	Amrita Kumari
24	Kalika Srivastava	MJC- II Botany	Kalika Srivastava
25	Simpal Kumari	MJC- II Botany	Simpal Kumari
26	Anmol Raj	MJC- II Botany	Anmol Raj
27	Puja Kumari	MJC- II Botany	Puja Kumari
28	Aishwarya Kumar	MJC- II Zoology	Aishwarya Kumar
29	Priyda Kumari	B.A - III Pady	Priyda Kumari

11. Outcome of the Popular lecture:

Lecture 1- popular Lecture on Evolving landscape of research methodology

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1. Attendees gain insights into the shift from traditional to modern research methods, including:
 - Mixed-methods approaches
 - Big data and AI-driven analysis
 - Interdisciplinary and participatory research
2. Participants learn how digital tools, statistical software, machine learning, and online data collection are transforming research designs and data analysis.
3. Exposure to new paradigms helps researchers rethink hypothesis formulation, sampling, and variable operationalization.
4. The lecture can serve as a platform to connect researchers across disciplines, promoting collaborative and cross-sector research.

Lecture-2

1. Participants gained insight into how genetic mutations and hereditary factors contribute to cancer development, with a focus on oncogenes and tumor suppressor genes.
2. The lecture effectively explained the role of **high-risk HPV strains (e.g., HPV-16 and HPV-18)** in causing cervical cancer through viral genome integration and disruption of host cell cycle regulation.
3. The audience learned about: HPV vaccination, Regular screening methods like Pap smears and HPV tests, Early detection and its role in reducing cancer mortality
4. Non-specialist attendees gained a better understanding of how education, vaccination, and genetic research intersect to reduce cervical cancer rates, especially in developing countries

Lecture-3

1. Participants gained a foundational understanding of: The structure and function of glycans. The significance of salic acid-containing glycoconjugates in cell signaling, immunity, and disease pathways.
2. The lecture demystified how specific **glycosyltransferases and sialyltransferases** enable precise, enzyme-mediated biosynthesis of glycans, enhancing specificity in drug design
3. Attendees learned how salic acid-containing glycans play roles in: Targeted drug delivery, Tumor cell recognition and immune modulation, Anti-inflammatory and antimicrobial drug design.
4. The lecture promoted integration between fields like Biochemistry, Medicinal chemistry, Biotechnology, Pharmacology and promote collaborative research.

[Signature]
12/01/2025

Signature
Dr Anand P. Das
Program Coordinator,
DBT-CTEP Popular Lecture,
SVP College Bhabua

[Signature]

Signature
Dr SP Sharma
Principal
SVP College Bhabua