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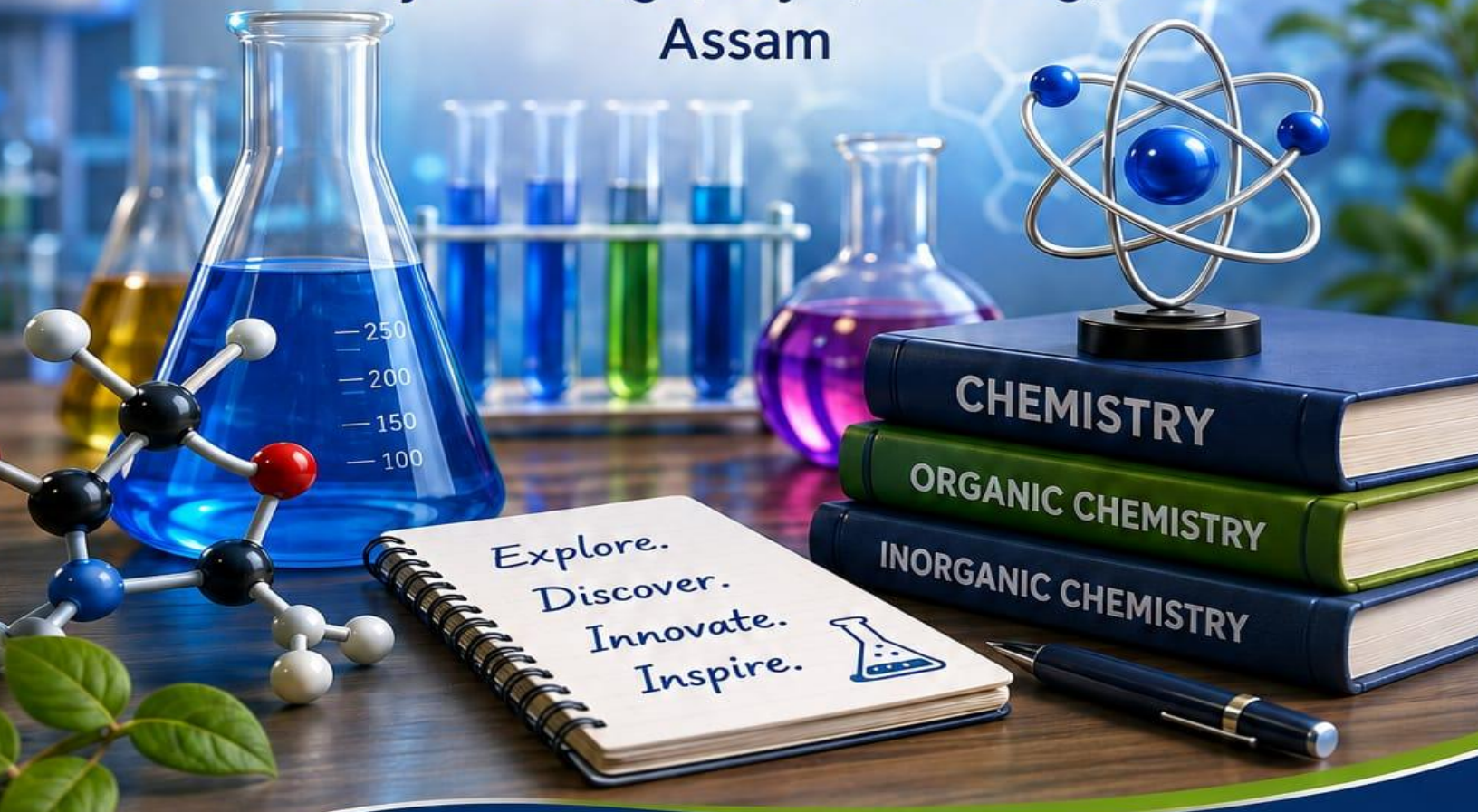
CHEMQUEST

NEWSLETTER (SESSION: 2024-2025)

Department of Chemistry,
Bijni College, Bijni, Chirang,
Assam



ACADEMIC EXCELLENCE | RESEARCH & INNOVATION | STUDENT ACHIEVEMENTS | EVENTS & ACTIVITIES

• *CURIOUS MINDS.* • *BRIGHTER FUTURES.* • *STRONGER TOGETHER.*

Volume 1
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FROM THE DESK OF HOD

It gives me immense pleasure to present “CHEMQUEST”, the official newsletter of Chemistry Department. This publication is a reflection of our department's commitment to academic excellence, scientific inquiry, and the pursuit of knowledge beyond the classroom.

Chemistry is often described as the central science because it connects and enriches every field of science. As we continue to explore the fascinating world of atoms, molecules, materials, and sustainable technologies, it is essential to nurture curiosity, creativity, and a spirit of innovation among our students. I am delighted to see our faculty and students actively engaged in academic activities, research, seminars, outreach programmes, and co-curricular initiatives, many of which are highlighted in this edition.

“CHEMQUEST” serves as a platform to celebrate achievements, share ideas, and document the vibrant academic life of our department. I hope this newsletter inspires our students to think critically, embrace scientific challenges, and contribute meaningfully to society through the application of chemical sciences.

I sincerely congratulate the editorial team, faculty members, and students whose dedication and hard work have made this publication possible. May “CHEMQUEST” continue to grow as a source of knowledge, inspiration, and collaboration for our department. I wish all our readers an enjoyable and enriching reading experience.

Dipak Bhattacharyya,

HOD, Chemistry.

Editor's Note

Welcome to the 1st edition of the Chemistry Department Newsletter "CHEMQUEST". This newsletter reflects the enthusiasm, dedication, and achievements of our students and faculty throughout the academic year.

The Department of Chemistry remains committed to fostering scientific curiosity, academic excellence, and innovation through seminars, workshops, laboratory activities, research initiatives, outreach programmes, and student achievements.

This edition highlights the department's academic accomplishments, research activities, co-curricular events, and memorable moments that have contributed to our growth. I hope these pages inspire our readers to appreciate the fascinating world of chemistry and encourage greater participation in future departmental activities.

I sincerely thank all the faculty members, students, and the editorial team whose efforts made this publication possible. Your creativity, commitment, and cooperation have been invaluable. I welcome your suggestions and feedback to make future editions even more informative and engaging.

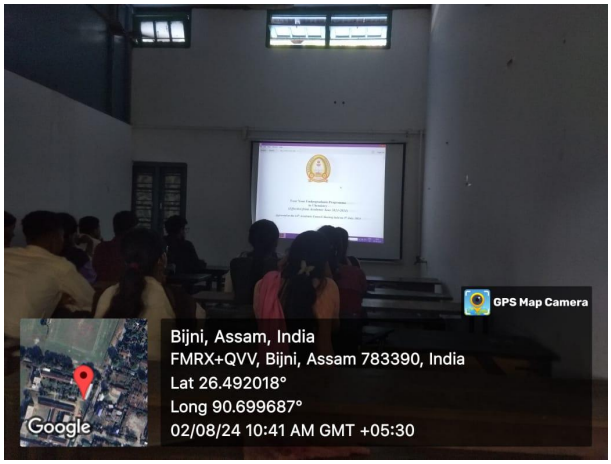
Editor,

Nikhilesh Sutradhar.

DEPARTMENTAL ACTIVITY CORNER

Induction Programme

On 2nd August, 2024, the department of chemistry, Bijni College organized Induction Programme for the newly admitted B.Sc. 1st semester (FYUGP) Chemistry Major students. The purpose of the programme was to provide necessary information's to the 1st semester students regarding rules and regulations of the college and the department. The students were also informed about the NEP based syllabus of chemistry, different subjects they have to take, marking system in end term and sessional examinations. 15 newly admitted 1st semester students and all the faculty members were present in the programme.



Cleanliness programme

On 12th August, 2024 a cleanliness programme was organized by the department of chemistry, Bijni College, Bijni. Students of odd semester chemistry Honours/Major and H.S. 1styear cleaned the campus of the college.

Freshmen Social meet

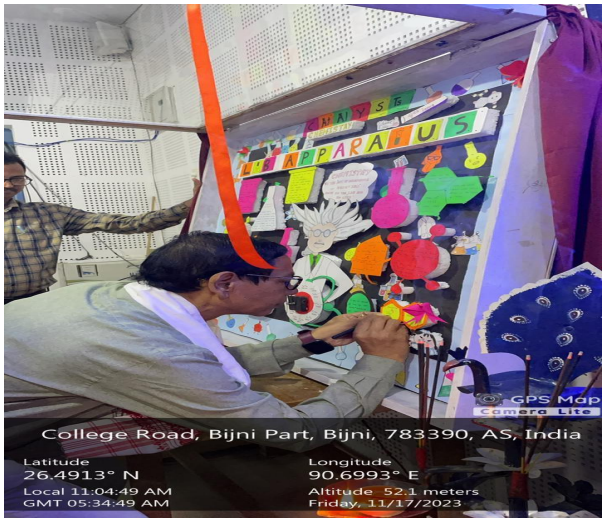
On 27th August, 2024, the Chemistry department along with the Physics department of Bijni College, organized freshmen social meets for the students of UG 1st semester FYUGP (Chemistry and Physics major). All the faculty members of both the departments and chemistry laboratory bearer were present in the programme. The Principal of the college, Dr. Birhash Giri Basumatary was also present in the programme. About 50 students of both the departments of 1st, 3rd and 5th semester were present in the meet.

Workshop on Research Methodology

On 12th September, 2024 a departmental workshop on research methodology was held in the conference hall of Bijni College at 11 A.M. Two resource persons from Research Cell, IQAC were appointed for the same. They are Dr. Anindita Chakrabarty, Assistant Professor, Zoology department, Bijni College and Dr. Prasanta Das, Assistant Professor, Mathematics department, Bijni College. The Convener of Research cell, IQAC, Dr. Sulabh Chandra Das was present in the workshop. Our other faculty members Dipak Bhattacharyya and Nikhilesh Sutradhar were also present in the workshop. All the odd semester chemistry Major/Honours students participated in the workshop. The workshop was mainly organized for the benefits of major/ Honours students.

Departmental Seminar and Wall Magazine

The Departmental Seminar of the Chemistry Department was held on **19th September, 2024** at the Chemistry Honours Classroom of Bijni College. The annual Departmental Wall Magazine "**CATALYST**" which is the 10th issue was also published on the same day and it was inaugurated by the Principal of the College Dr. Birhash Giri Basumatary. The topic of the seminar was **"Environmental Chemistry".** All the major/honours students of chemistry 1st, 3rd and 5th semester were divided into six groups and they presented papers on six sub themes of Environmental Chemistry. About 21 participants participated in the seminar.



Parents –Teachers Meet

The Chemistry department of Bijni College organized a Parents-Teachers meet on 19th September, 2024 at 2.30 pm at the Chemistry Honours classroom. In this programme only five parents were present and all the faculty members of the department were present. Some of our odd semester chemistry major students were present and co-operated us to make the programme successful. Before this the Parents-Teachers meet was organized centrally. At the very beginning the HOD of the department, Swapna Saha delivered her welcome address and explained the purpose of the meeting. All the guardians shared their views in the meeting and they were satisfied in teaching- learning methodologies of the

department. They were very glad in attending the meeting and visiting the laboratories of the department. Dipak Bhattacharyya, assistant professor of the department explained the activities and achievements of the department. Some of our major students also shared their views and they said that chemistry is the best department in the science stream.

Activity of MOU: Popular Talk on "Sustainable Development in Chemistry"

On 24.09.2024 a popular talk on "Sustainable Development in Chemistry" was organized by the department of Chemistry in which resource person was Dipika Saha, PGT, Bijni Bandhab H.S. School. All the faculty members of the department and all the odd semester students of chemistry honours and major course were present in the programme. The students were highly benefitted from this talk. At the end of the talk there was an interactive session in which many students participated.

Cultural Rally

The Cultural Rally of Bijni College was held on 5th February 2025 with great enthusiasm and participation from both students and faculty members. The rally commenced at 10:00 AM from the college campus and moved through the surrounding areas, attracting the attention of the local community. The rally was flagged off by the Principal of Bijni College, Dr. Birhash Giri Basumatary, who, in his inaugural address, highlighted the importance of cultural preservation and active student involvement in extracurricular activities. Participants were dressed in traditional attire and carried placards, banners, and decorative items reflecting the cultural identity of Assam and the broader Indian ethos. Folk songs, dances, and slogans added vibrancy to the rally. Students displayed discipline, energy, and creativity throughout the rally, which concluded back at the college campus. At the closing session, faculty members appreciated the students' efforts and encouraged them to take pride in their cultural roots while also contributing to the academic and social development of society.

SCIENCE DAY CELEBRATION, 2025

National Science Day is celebrated on 28/02/2025 and this celebration implies the share of logical knowledge. It inspire the young minds, promote scientific temper. The program was inaugurated by the Principal, Bijni College. Resource person was Dr. Debangshu Narayan Das from Rajib Gandhi University, Arunachal Pradesh. He gave a lecture on "NEP 2020 and The Current Trends in Research" It was a nice and interesting lecture .Many teachers and students took part in the programme.

INAUGURATION OF ADD-ON COURSE

The course was inaugurated on 25 th March 2025 at 12:30PM. The inaugural session was graced by Dr. Birhash Giri Basumatary, Principal of Bijni College. In his address, the Principal emphasized the growing need for technological integration in science education and appreciated the Chemistry Department for initiating such a skill-based course. The Vice Principal, Ms. Sabita Ray, also delivered a motivational speech encouraging the students to engage actively in such technical skill-based learning opportunities. Dr. Babul Basumatary, IQAC Coordinator, also delivered a motivational speech and encouraged the students to actively participate and gain practical knowledge. He mentioned the importance of such add-on courses in enhancing academic quality and employability skills.

Internship Programme (4th Semester)

The Department of Chemistry, Bijni College organized a 30-hour Internship Programme for the UG 4th Semester students at the Public Health Engineering Department (PHED), Bijni, under the supervision of Mr. Santanu Das, Chemist.

The programme commenced with an introductory session where students were briefed about the significance of safe drinking water in public health and the objectives of PHED in ensuring quality water supply.

Students actively participated in field visits, where they collected water samples from hand pumps, tube wells, and supply sources in the Bijni area. The correct sampling procedure, including sterilization, labeling, and preservation, was demonstrated by PHED staff.

The practical sessions were highly interactive, with students learning how to compare results with color charts, record data, and interpret health significance under the close guidance of Mr. Santanu Das.

The internship concluded with report writing and discussion sessions, where students reflected on their learnings and shared their observations.

The department extends heartfelt gratitude to Mr. Santanu Das, Chemist, PHED Bijni, and the PHED staff for their guidance and cooperation, which made this programme a grand success.

Farewell Programme for Outgoing UG 6th Semester Students

The Department of Chemistry, Bijni College, organized a heartfelt Farewell Programme for the outgoing UG 6th semester students on 10th May 2025 at the department premises.

The programme began with a welcome address by a 4th semester student, followed by floral greetings and the lighting of the ceremonial lamp. Faculty members, including Mr. Dipak Bhattacharyya, Head of the Department of Chemistry, Ms. Swapna Saha, Assistant Professor, and Mr. Nikhilesh Sutradhar, Guest Faculty, were present on the occasion and delivered warm and inspiring speeches to the outgoing students.

In their addresses, the teachers reflected on the students' journey in the department, appreciated their academic efforts and personal growth, and encouraged them to pursue higher goals with dedication and confidence. They also reminded the students to stay connected with their alma mater and uphold the values of integrity, responsibility, and lifelong learning.

The event was a meaningful blend of emotion, celebration, and encouragement, creating a lasting memory for the UG 6th semester students as they bid farewell to their department.

Certificate Distribution Ceremony of Add-On Course (Avogadro Software Learning in Chemistry)

After successful completion and evaluation, a certificate distribution ceremony was held on 14 th June 2025. The course coordinator Mr. Nikhilesh Sutradhar summarized the journey of the course, highlighting student participation and learning outcomes. Certificates were distributed among the participants. A few students came forward to share their experiences and expressed how the course helped the mgain confidence in using scientific software. They appreciated the efforts of the teachers and the department.

The event concluded with a Vote of Thanks delivered by Ms. Swapna Saha, Assistant Professor, Department of Chemistry. She acknowledged the efforts of the teaching staff, students, and supporting faculty who contributed to the success of the programme.

Students Achievements

Debarshi Ray

CGPA : 8.43

Purboshri Narzary

CGPA : 8.43

Highest CGPA holders in the Department (2024-2025)

CBCS 6th semester

Alumni Achievements

Bittu Roy

Science Teacher

Bipin Bihari ME School

Payal Bhowmic

Asstt. Teacher (Science, Assamese)

Baganpara High School

Department Faculties

Faculties of Chemistry Department, Bijni College, Bijni

From left to right : Swapna Saha (Assistant Professor), Dipak Bhattacharyya (Assistant Professor), Nikhilesh Sutradhar (Guest Faculty).