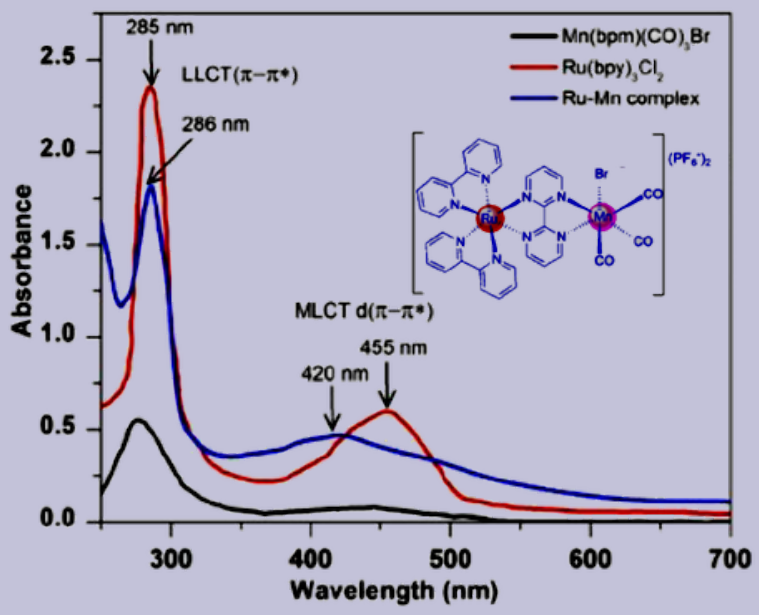
ISSUE-1
JANUARY 2022

SPECTRUM

YEARLY NEWSLETTER, DEPARTMENT OF CHEMISTRY, SILAPATHAR COLLEGE



IN THIS ISSUE

- VISION
- MISSION
- ABOUT THE DEPARTMENT
- FROM HOD'S DESK
- DEPARTMENTAL ACTIVITIES
- FACULTY ACTIVITIES
- STUDENT ACHEIVEMENT

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Editorial Board

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Co-Editor -Dr. Shreemoyee Phukan

Dr. Sukanya Baruah

Student Members-

Rakhi Rani Bhuyan - 3rd Sem

Lekhan Panging- 1st Sem

VISION

*TO AWAKEN THE YOUNG MINDS AND DISCOVER THEIR TALENTS BOTH IN THEORY AND IN PRACTICAL CHEMISTRY, THROUGH DEDICATION TO TEACHING, COMMITMENT TO STUDENTS AND INNOVATIVE INSTRUCTIONAL METHODS.

TO REALIZE ADVANCEMENT OF TEACHING AND LEARNING AND DISCOVER NEW LAYERS OF KNOWLEDGE IN CHEMISTRY BY PROVIDING THE RIGHT ACADEMIC AMBIENCE

MISSION

TO MAINTAIN A DEPARTMENT THAT IS REGARDED AS EQUAL TO ANY IN TERMS OF ITS RELEVANCE OF TEACHING AND RESEARCH, ITS QUALITY OF SUPPORT AND FACILITIES AND THE LEARNING OPPORTUNITIES AND WORKING EXPERIENCE IT OFFERS.

ABOUT THE DEPARTMENT

THE CHEMISTRY DEPARTMENT OF SILAPATHAR COLLEGE STARTED FUNCTIONING WITH ITS FIRST BATCH OF STUDENTS IN 2020. THE DEPARTMENT IS ENDOWED WITH THREE WELL QUALIFIED FACULTIES, CONSTANTLY ENGAGED IN BUILDING UP A STRONG THEORETICAL AS WELL AS PRACTICAL FOUNDATION AMONG STUDENTS THROUGH THEIR EXPERTISE. CURRENTLY IT IS OFFERING VARIOUS UNDERGRADUATE COURSES IN CHEMISTRY (HONOURS AND NON-HONOURS) UNDER CBCS CURRICULUM AS PRESCRIBED BY THE DIBRUGARH UNIVERSITY.

FROM HOD'S DESK

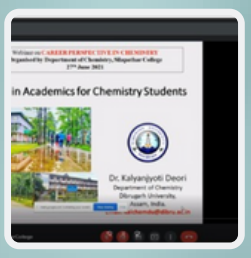
Dr. Sukanya Baruah
HoD
Department of Chemistry

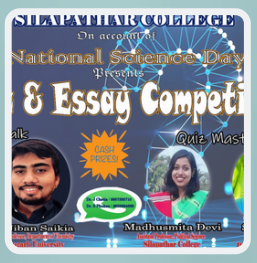
The Department of Chemistry, Silapathar College established in 2020 is equipped with highly qualified and experienced faculties. Department adheres to the welfare of the students not only academically but also socially and morally. Course completion and doubt clearing sessions are a key feature of the department. Every faculty member has a bright research career, all having PhD degree from prestigious institutions (IIT Guwahati; Rajiv Gandhi University, Arunachal Pradesh and Gauhati University, Guwahati) of Assam, which will be further carried on for the benefit of the local area. Departmental lab is also highly equipped with various instruments where students can practice the experiments without any hassle. The strong basic foundation laid by the department will help the students for their future endeavor in the field of Chemistry. I wish all the students a successful career ahead.

DEPARTMENTAL ACTIVITIES

On 6th December, 2021, Faculty of Science organized a extempore speech among the students on the occasion of World Soil Day on 5th December,2021. Students were awarded with respective prizes.

On 27th June, 2021, Dept. of Chemistry, Silapathar College organized a webinar on Career Perspective in Chemistry in collaboration with Career Counselling Cell, Silapathar College.





Department of Chemistry, in collaboration with IQAC, NSS and Forest Department celebrated World Wetland Day, at the bank of Gai Nadi Wetland on 2nd February, 2021.

Department of Chemistry, also celebrated the National Science Day on 1st March, 2021 in collaboration with NSS, Silapathar College.

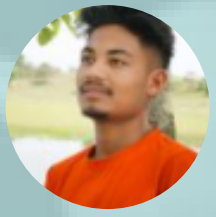
Freshmen social was organised on 28th January, 2021 by the Department of Chemistry to welcome the newly admitted students in the Department of Chemistry of Silapathar College.

THE Department of Chemistry started JAM coaching for the interested students on 13th NOVEMBER 2021. Following students are enrolled

HIROSHMOY SAIKIA
BSC 3RD SEM

DUSHMANTA DOLEY
BSC 3RD SEM

HIMANTA NEWAR
BSC 1ST SEM



JINTU TAID
BSC 1ST SEM

Six months add on Course on "Basic Instrumentation Technique" for the year 2021 started on 02/01/2021

FACULTY ACTIVITIES

RESEARCH PAPER

"Synthesis, Characterization and Antimicrobial Properties of [Cu2(μ-O2CC9H19)4(4-CNpy)2]" Sarmah, N., Baruah, S., Malakar, A., Chakrabortty, M., Banik, B., Das, B. K. January 2021, Asian Journal of Chemistry 33(2):453-458.

BOOK CHAPTER

"Azospirillum: A Salient Source for Sustainable Agriculture" Rimjim Gogoi, Sukanya Baruah, Jiban Saikia, Biofertilizers: Study and Impact, John Wiley & Sons, Inc., 2021, pp 309-334.

DR. SUKANYA BARUAH
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OTHER ACTIVITIES

- Judged science projects & models in the National Children's Science Congress held in Dibrugarh in the year 2021
- Attended Seven day FDP on 'Recent Advances in Chemistry' held from December 27, 2021to January 04, 2022 organized by Dept. of Chemistry, School of Science, R. K. University, Rajkot, Gujarat
- Six day FDP on 'Reigniting the Research Spark: Exploring New Methodologies and Perspectives' held from 15th to 20th March organized by St. Xavier's College (Autonomous) Mumbai.
- 4-week induction/orientation programme for Faculty in Universities/colleges/institutes of Higher Education from April 16 to May 15, 2021 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
- Seven day FDP on 'Moodle learning management system' held from January 4, 2021to January 10, 2021 organized by B. Barooah College with course material provided by Spoken Tutorial Project, IIT Bombay.

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RESEARCH PAPER

Accepted manuscript in "Ecology, Environment and Conservation" on January, 2022.

Authors: Upen Deka, Upasana Borthakur and Shreemoyee Phukan. Ref. No. EEC-62.

OTHER ACTIVITIES

- Act as resource person in awareness programme on "SANSKAR: MANUHE MANUHAR BABE" Organized by Silapathar College in the following institutes
  1. Silapathar Residential Higher Secondary School
  2. Akajan Tribal Girls' High School
  3. Silapathar College

- Act as resourse person at Padma-Saraswati Vidya Mandir, Silapathar on 28th February 2021 on the occasion of National Science Day.
- Seven day FDP on 'Recent Advances in Chemistry' held from December 27, 2021to January 04, 2022 organized by Dept. of Chemistry, School of Science, R. K. University, Rajkot, Gujarat.
- Six day FDP on 'Reigniting the Research Spark: Exploring New Methodologies and Perspectives' held from 15th to 20th March organized by St. Xavier's College (Autonomous) Mumbai.
- 4-week induction/orientation programme for Faculty in Universities/colleges/institutes of Higher Education from April 16 to May 15, 2021 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
- Seven day FDP on 'Moodle learning management system' held from January 4, 2021 to January 10, 2021 organized by B. Borooah College with course material provided by Spoken Tutorial Project, IIT Bombay.

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BOOK CHAPTER

"Recent developments in the synthesis of bioactive natural products using Prins-type cyclization\" Namita Devi, Upasana Borthakur, Anil K. Saikia. Studies in Natural Products Chemistry, Elsevier, 2021, pp 265-312.

OTHER ACTIVITIES

- Act as resourse person at Padma-Saraswati Vidya Mandir, Silapathar on 28th February 2021 on the occasion of National Science Day.
- Seven day FDP on ‘Recent Advances in Chemistry’ held from December 27, 2021 to January 04, 2022 organized by Dept. of Chemistry, School of Science, R. K. University, Rajkot, Gujarat.
- Two-week Faculty Development Program (equivalent to Refresher Course) on "Chemistry - The Catalyst for Change" from 14th July to 28th July organized by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Department of Chemistry, Miranda House, University of Delhi.
- 4-week induction/orientation program for Faculty in Universities/colleges/institutes of Higher Education from April 16 to May 15, 2021 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
- AICTE-sponsored Five-day Faculty Development program on "Research Methodology" from 27th January to 31th January, 2021 organized by NIT Manipur.
- Seven day FDP on "Moodle learning management system" held from January 4, 2021 to January 10, 2021 organized by B. Borooah College with course material provided by Spoken Tutorial Project, IIT Bombay.

STUDENT ACHEIVEMENT

Pradum Dwarik - 3rd prize in extempore speech competition organized by Faculty of Science, Silapathar College on the occasion of World Soil Day on 6th December, 2021

During College week on 8-13th December students from Department of Chemistry acheived various prizes in various field

Manuranjan Kuli-1st prize in poem writing

Nitom Doley-

- 1st prize in Kabadi championship
- 2nd prize in Football
- 2nd prize in volleyball

Bijoy Buragohain

- Best Singer
- 2nd prize in Borgeet
- 2nd prize in Lokageet
- 1st prize in Parbati Prasad Boruah Geet
- 1st in Jyoti Sangeet
- 2nd in Bhupendra Sangeet
- 3rd in Bihu song
- 1st in Anu Nitom

Result Statement of B.Sc 1st Semester 2021

Total students appeared= 19

Total students passed= 19

Result percentage= 100%

Above 90%=1

Above 80%= 3

PHOTO GALLERY

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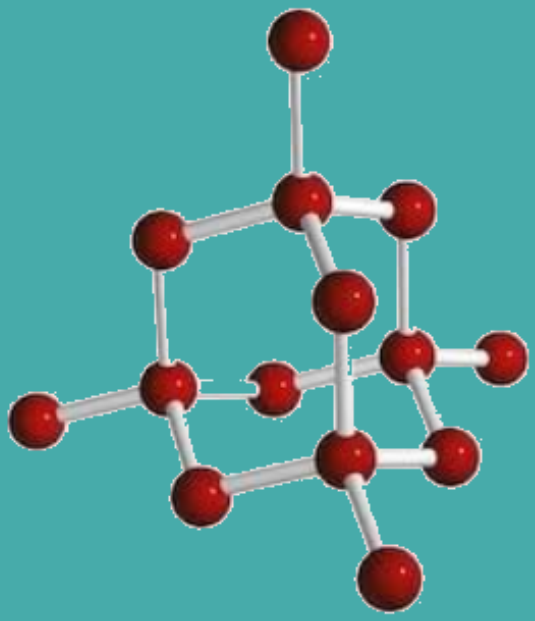

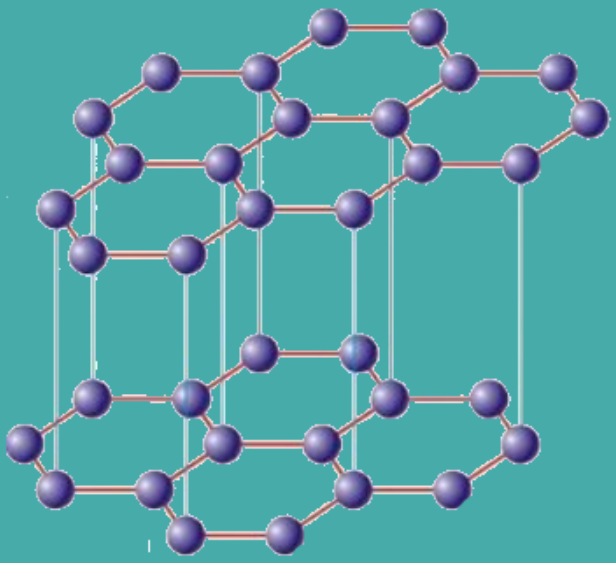

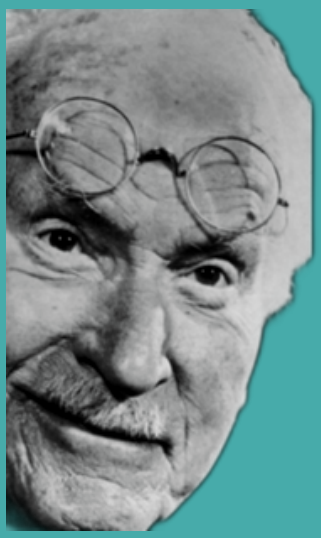

The meeting of two personalities is like the contact of two chemical substances: if there is any reaction, both are transformed

- Carl Gustav Jung.