



Volume: 9
Year: 2019

Chemistry News

An Academic Publication of the Chemical Society and
Department of Chemistry

Department of Chemistry
N. N. Saikia College
Titabar-785630

Chemistry News, Volume: 9, 2019 is an academic publication of the Chemical Society and the Department of Chemistry, N. N. Saikia College.

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Published by: The Chemical Society & Department of Chemistry, N. N. Saikia College

Titabar-785630, Jorhat, Assam

December, 2019

The Department at a Glance

Department of Chemistry is one of the oldest Science departments of Nanda Nath Saikia College started in 1971. The Department has been offering three years degree course in Chemistry (B.Sc.) with honours provision along with two certificate courses. From this year, CBCS has been implemented in the Department. Decorated by well-trained and extremely motivated faculties as well as bright students, the Department constantly strives to maintain a culture of excellence and uphold the highest standards in chemical education. The Department is housed with a research laboratory and two general laboratories. Along with teaching, the faculty members are actively engaged in research in the area of chemical sciences as well as interdisciplinary topics. Our alumni are well placed across the globe and have contributed significantly in their respective domains.

Academic Programmes

Undergraduate degree course (B.Sc.)

Nature: Semester system (CBCS)

Intake capacity: 30

List of Faculties



Dr. Partha Pratim Saikia

M.Sc., NET, PhD

Teaching expertise: Organic Chemistry



Mr. Dhrubajit Borah

M.Sc., NET

Teaching expertise: Inorganic Chemistry



Dr. Jayanta Madhab Borah

M.Sc., SLET, B.Ed., PhD

Teaching expertise: Physical Chemistry



Dr. Bhaskar Jyoti Saikia,

M.Sc., SLET, GATE, PhD

Teaching expertise: Physical Chemistry

Library

The department has a well-maintained library with reading room facility which has a collection of around 250 text and reference books.

Research Highlights

The Department of chemistry has been actively pursuing research activities in a number of research fields like coal chemistry, synthetic organic chemistry, material science, catalysis, polymer chemistry, surface chemistry etc. In spite of limited facilities and infrastructure, the Department has been dedicatedly engaged in different research-based works. So far, the Department has succeeded in securing research grants from UGC, DST, SERB and ministry of environmental science. The present areas of ongoing research are catalysis, material science and polymer chemistry.

Recently completed research project in the Department

Sl. No.	Name of the PI	Funding agency	Title of the Project	Duration	Total Grant
1.	Dr. Partha Pratim Saikia	DST	<i>In situ</i> generation of cyanide from novel non-toxic source: application in a few important C-C bond forming reaction and possible extension to the synthesis of bioactive natural products	2013-16	23,00,000/-

- **Research Publications of the Faculties**

1. Designing Microencapsulation Based Self-Healing Methylmethacrylate-Glycidyl Methacrylate Copolymer, Junali Handique, **Bhaskar Jyoti Saikia**, Swapan Kumar Dolui, 2019, Polymer Science Series A 61(5), 577-588.
2. Reconstruction of soil components into multifunctional freestanding membranes J Deka, K Saha, T J Konch, R K Gogoi, S Saikia, **Partha P Saikia**, G K Dutta, K Raidongia ACS Omega, 2019, 4(1), 1292-99.

- **Seminars/Conferences Participated by the Faculties**

1. **Dr. Jayanta Madhab Borah** presented a paper on ‘Co-precipitation Mediated Synthesis of Mg-Al Layered Double Hydroxide for Removal of Eriochrome Black-T from Aqueous Solution’ in the national conference ‘Recent advances in Applied Sciences’ (RAAS-19) organized by the Department of Applied Science, Gauhati University during 17-18th May, 2019.
2. **Dr. Bhaskar Jyoti Saikia** presented a paper on ‘Preparation and Sustained-release Behavior of Cellulose Embedded Urea-formaldehyde Resin Microcapsules containing citronella oil’ in the National Conference ‘Recent advances in Applied Sciences’ (RAAS-19) organized by the Department of Applied Science, Gauhati University during 17-18th May, 2019.
3. **Dr. Partha Pratim Saikia** presented a paper on ‘Grafting of nano vermiculites with aminopropyltriethoxysilane by using green technology’ in the national seminar and workshop on applications of nanotechnology and biotechnology in daily life, organized by Sibsagar College, Joysagar during 26-28th September, 2019.

- **Workshop/Course Participated by the Faculties**

1. **Dr. Jayanta Madhab Borah** participated in the workshop ‘Use of ICT Tools for Classroom Teaching’ organized by the EICT Academy, IIT-Guwahati during 22-27th April, 2019.
2. **Dr. Bhaskar Jyoti Saikia** participated in the workshop ‘Use of ICT Tools for Classroom Teaching’ organized by the EICT Academy, IIT-Guwahati during 22-27th April, 2019.

Faculty Development/Orientation Programme attended by the Faculties

1. **Dr. Partha Pratim Saikia** attended a *one week Faculty Development Programme on use of ICT tools for classroom teaching* during 22nd to 27th April, 2019.
2. **Dr. Jayanta Madhab Borah** attended a *one week Faculty Development Programme on use of ICT tools for classroom teaching* during 22nd to 27th April, 2019.
3. **Dr. Bhaskar Jyoti Saikia** attended a *one month Orientation Programme* in Tezpur University sponsored by MHRD 11th June to 10th July, 2019.
4. **Dr. Partha Pratim Saikia** attended a *one week Faculty Development Programme on Scilab and its applications* during 4th to 8th November, 2019.

Talk/Lecture organized in the year

- Dr. Prasanta Jyoti Gautam, HoD, Department of Chemistry, Kaziranga University delivered a talk on 'Future prospects of chemistry as a career' on 26th November, 2019.

B. Sc. Result (2019) - Appeared: 12

Passed: 11 (91.6%)

First class holders

Sl. No.	Name of the student	Percentage
1	Nasib Kayastha	85.71
2	Ibrahim Ali	81.07
4	Krishna Surya Chetia	72.57
5	Basit Ali	70.36
6	Apurba Gohain	68.57
7	Rodali Burhagohain	62.50
8	Mridupowan Kotoky	62.14
9	Dibru Saikia	61.64
10	Nikita Dutta	61.50

Students' Progression

1. Ibrahim Ali got selected in Assam University, Silchar, Assam for pursuing *M.Sc.*
2. Apurba Gohain got selected in Assam University, Silchar, Assam for pursuing *M.Sc.*
3. Nasib Kayastha got selected in Dibrugarh University, Dibrugarh Assam for pursuing *M.Sc.*
4. Arnika Gogoi got selected in Jorhat Medical College, Jorhat, Assam for pursuing *B.Sc. Nursing.*
5. Krishasuryya Chetia got selected in DIET, Titabar for pursuing *B.Ed.*
6. Rodali Buragohain got selected in DIET, Titabar for pursuing *D.El.Ed.*

Placement of Students

1. Himdri Kishore Borah got a placement in the *IOCL*.

Notable Alumni of the Department

Sl. No.	Name	Address with Designation
1	Dr. Dipu Borah	UCC, Ireland
2	Dr. Kula Kamal Senapati	IIT, Guwahati
3	Dr. Pranjal Saikia	Gauhati University
4	Mr. Ananta Saikia	Scientist, DRDO
5	Mr. Tarun Saikia	Asst. Professor, DCB Girls' College
6	Dr. Subhansu Dutta	Asst. Professor, DR College
7	Mrs. Nandita Dutta	Branch Manager, State Bank of India
8	Mr. Niranjan Dutta	Numaligarh Refinery Limited
9	Mr. Utpal Goswami	Numaligarh Refinery Limited
10	Mr. Biraj Das	APS, Govt. of Assam
11	Dr. Anjan Bora	Post Doctoral Fellow
12	Mrs. Bornali Hazarika	Development Officer, LIC
13	Monuj Bihani	Businessman
14	Dr. Manisha Bihani	Post Doctoral Fellow
15	Dr. Bishwapran Kashyap	Tocklai Tea Research Institute, Silliguri campus
16	Mr. Anupam Konwar	Dept. of Chemistry, POWIET
17	Mr. Bishwajyoti Sarmah	Faculty, Pragjyotika Academy, Eminent writer