



Vol. V (July, 2019 – June, 2020)

M.C. COLLEGE NEWSLETTER

Editors: Dr. Dip Kr. Bhattacharjya, Dr. Chiranjit Baruah
Co-editor: Arjun Adhikari



Principal Speaks:

I again express my sincere thanks and gratitude to the Publication Cell and specially Dr. Dip kr. Bhattacharjya deserves gratitude for their relentless effort to publish our annual Newsletter even under pandemic situation. Like other parts of India, the pandemic situation has adversely affected all our development activities including regular academic atmosphere too. We couldn't organize our final examinations in time leaving our students in a perplexed situation. However, apart from the serious pandemic situation, the session 2019-20 can be marked as a period of achievements as we have got a new state of art college administrative building which was a long-standing demand from us all. We have also

completed the construction works of four new class rooms under the programme of RUSA. Invitation of forest man Padmashree Jadav Payeng to our college was another success story during this period of time. Similarly, we are forwarding and expediting NAAC activities simultaneously to enable us timely accomplishment of accreditation process. In spite of having our endearing success story, I have to mention here with regret that we have been badly affected by the Barpeta district administration who had used our campus for the purpose of both Panchayat and Parliament election which has jeopardized normal academic and other development activities as well. At the end, I request all the members of our college fraternity to follow strictly the recommended rules to keep themselves safe from the infection of corona virus.

(Dr. Prakash Sarma)
Principal
M.C. College, Barpeta

From the Editor's Desk:

Today's education prepares the students to face the tomorrow and an educational institution extends continuous effort for the welfare of the society. Excellence of students is a pride for the teacher community. Excellence of students depends to a great extent on the excellence of the teacher also. The achievements and steps of success of the fraternity of M. C. College are its greatest accomplishments and the memorable events of the institution are the inspirations to excel. These lay the foundations of missions to be determined for the institution and lead us marching ahead. Coexisting with the Covid-19 pandemic, another year with full of activity has passed and it gives us immense pleasure in documenting the achievements of teachers and students of the college and bringing out the 5th issue of M. C. College Newsletter. We acknowledge the continuous support of the principal, teaching and non-teaching staff of the college and the members of the editorial board towards the publication of this issue.

Dr. Dip Kr. Bhattacharjya,
Dr. Chiranjit Baruah
Editors

Campus activities

The Career Counselling and Competitive Exam Cell of the college organised the "Training Programme for Competitive Exams" under technical support of TIME, Adabari, Guwahati on 28 September, 2019.



The biennial general meeting cum BSA annual lecture and a National Seminar on "Harnessing Biodiversity for Social Empowerment of NE India" was organised by the Botanical Society of Assam in collaboration with MC College and Assam Science Technology and Environment Council in the college on 02-03 November, 2019 with active participation of several scientist, academicians, researchers and students from different parts of the country.



Members of the Publication Cell:
Convener: Dr. Dip Kr. Bhattacharjya

Members: Dr. Indrajyoti Roychoudhury, Dr. Sanjib Deuri,
Dr. Chiranjit Baruah, Dr. Pratyush Purakayastha,
Nabajyoti Baro, Sameeran Kr. Das, Arjun Adhikari, Pummy Sinha

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The Career Counselling and Competitive Exam Cell of the college organised the "Industry Academia Meet" – an awareness programme on Scheme for Apprenticeship Training under the technical support of Gauhati Refinery, Guwahati on 7 November, 2019. (Photo 43)



A popular talk was held on "Environment and Human Kind" as organised by the Department of Chemistry in collaboration with College Environment Cell, MC College, Barpeta on 29 November, 2019 where Padma Shree Awardee Sri Jadav Payeng delivered his valuable talk which was followed by an interesting interactive session between the speaker and participants.



The IQAC of the college organised a Quiz competition under the theme "Ek Bharat Shrestha Bharat" on 14 February, 2020 from 11:00 am in the Seminar Hall of the college. Participants from different parts of the district participated in the programme. Mr. Partha Pratim Choudhury, Asstt. Professor, Dept. of Economics of the college rendered his all initiatives to make the programme successful.



The National Science Day, 2020 was observed in the college as organised by the Department of Chemistry in collaboration with Chemical and Environmental Research and Technology Innovation Society (CERTIS) on 28 February, 2020 where Prof. Krishnagopal Bhattacharyya from Gauhati University delivered his valuable speech.



A two-day workshop on NET/SLET/GATE was held in the college on 4 and 5 March, 2020 as organised by the Career Counselling Cell and Competitive Exam Cell of the college where a number of students especially from the PG departments participated with full of enthusiasm.



The foundation stone of the College entrance gate was laid on 6 March, 2020 in presence of the local MLA Mr. Gunindra Nath Das, ex faculty of the college Dr. Babul Ch. Das and Dr. Naba Kr. Talukdar. The construction work had been initiated

after having assurance of funding from the MLA fund. Dr. Naba Kr. Talukdar contributed a handsome amount of money towards the construction work. The faculty members also donated a part of their monthly salary towards the construction work of the gate.



Activities outside the campus:

Under the scheme "Ek Bharat, Shrestha Bharat" of the Government of Assam, an educational tour was organized to Rajasthan (Udaipur and Mount Abu). The Principal of the college with the help of IQAC had conducted a general knowledge test on Rajasthan. On the basis of the performance of the students in this test, eight students were selected for the tour. The destination of this tour was pre-selected given in the scheme itself and a fund of one lakh rupees was provided by the Assam Government. Based on the availability of the train tickets, the excursion date was finalized from 15th October to 25th October, 2019. After the finalization of the dates and tickets, the tour was finally carried out under the guidance of Arjun Adhikari and Himani Ramchiary, Assistant Professors of Botany and Anthropology respectively.

The College Environment Cell organised a popular talk on "Wetlands and Water Conservation" at Patbaushi ME School, Patbaushi, Barpeta on 3 February, 2020 under the sponsorship of ASTEC, Govt. of Assam. The talk was delivered by Ms. Debahooti Baruah, Head, Dept. of Botany, Barnagar College, Sarbhog, Barpeta.



The Women Cell (ACTA) of the college organised a Health Awareness Programme on the occasion of International Women's Day on 6 March, 2020 at Patbaushi MV School, Patbaushi, Barpeta.



Few of the students under the guidance of Mr. Arjun Adhikari, Asstt. Professor of Botany and Dharatri Teron, Asstt. Professor of Geography visited the Assam Legislative Assembly on 7 March, 2020.



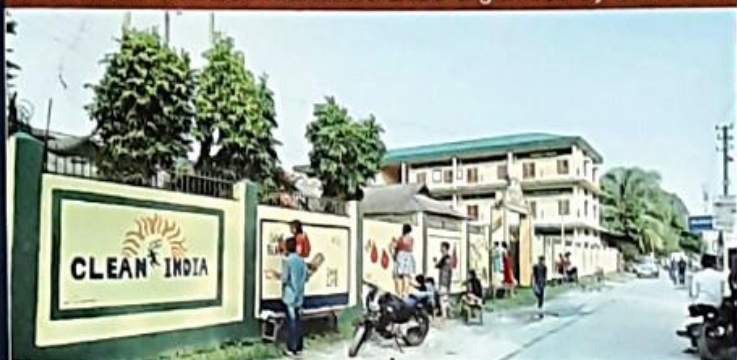
Two members of the Red Ribbon Club of M. C. College, viz. Sarfaraz Ali, 3rd semester Honours (Zoology) and Ashim Das, 3rd Semester Honours (Assamese) won the first runners-up in the state level Quiz Competition organised by the "Assam State Aids Control Society" on 5, 6 and 10 November, 2020.



A rally was organised by the Red Ribbon Club of M. C. College unit on 1 December, 2020 on the occasion of World AIDS Day to aware the students and public about the HIV/AIDS.

The NSS volunteers participated in a number of Integration and Leadership development programme during the year 2019-20 including Pre-RD selection camp in Gauhati University (2019), Nittee-NAMASTE Solidarity Programme (NNSP), Mangalore in Karnataka (2019) etc. Apart from these, the volunteers also

participated in a number of online programmes like - Celebration of NSS Day (Golden Jubilee Year) (2020) organised by Gauhati University, Guwahati; The Necessity, Significance and Impact of Physical Fitness and self-defence amongst the public in Todays world (2020) organised by Gauhati University, Guwahati; International Yoga Day (2020) organised by Gauhati University, Guwahati; Jan Andolan for Covid-19 Appropriate Behaviour Pledge (2020) organised by Govt. of India and Assam Children Manifesto 2020 organised by State Government of Assam in association with UNICEF.



Campus News

The newly constructed Administrative block and Science Building of the college and the Basket Ball Court were inaugurated on 12 March, 2020 which gave a new dimension to overall developmental activities of the college. The occasion was graced by Sjt. Basishta Deba Sarma – the respected Satradhikar of Barpeta Satra and Mr. Gunindra Nath Das, Respected MLA, Barpeta in presence of Dr. Prakash Sarma, Principal of the college, Mrs. Puspajyoti Ojah, Associate Professor of the college cum former veteran volleyball player along with other staff and well-wishers. On the same day, two books, viz. "Bhasha-sahitya-sanskriti aaru darshan" and Barpeta-eti abalokan", published under the IQAC of the college, were inaugurated by Sjt. Akshay Mishra, the Siksha Ratna and Kalaguru awardee and Dr. Haladhar Debagoswami, respected President, Governing Body of the college.



College received a grant of Rs. 1,00,000.00 (Rupees One Lakh only) for the development of Girls' Common Room.

A new toilet was constructed to facilitate the science students in the Science Block of the college.

The college authority had applied for the Star College Scheme to the Department of Biotechnology (DBT), Govt. of India during the month of February, 2020.

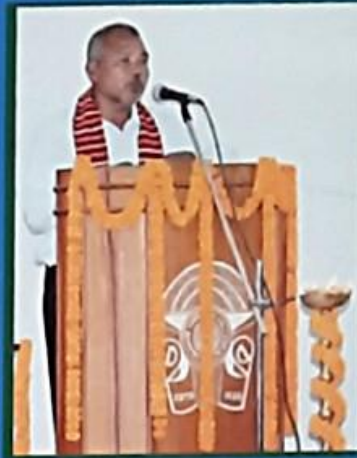
The construction work of the PG building adjacent to the existing building of the Department of Botany is in progress.

College authority adopts 100% cashless transection in all the financial matters.

The college fraternity acknowledges the help and technical support of the ex-student Er. Bikramaditya Das, Er. Nimaljit Das, Er. Ajay Kr. Das and Er. Alarka Das in harvesting solar energy and installing the in-campus solar street lights under the State government's Solar Power Scheme as executed by the ASEB, Govt. of Assam.

Eminent personalities visiting the college

Hon'ble Vice Chancellor of Gauhati University, Guwahati Prof. Pratap Jyoti Handique graced the occasion of the BSA Biennial Meeting cum National Seminar on 2 November, 2019.



Padma Shree Awardee Sri Jadav Payeng visited the college on 29 November, 2019 to deliver an invited talk.

Our Pride

Nirjuraj Das, a student from the college set the state and national record by drawing the picture of Sachin Tendulkar (in 105 seconds) and Dr. Bhupen Hazarika (85 seconds) by using fire and charcoal in the Assam Book of Records and Bengal Book of Records respectively.



Departmental activities:



The department of Assamese conducted an educational tour to North Guwahati's Dihing Satra, Rangoli Pahar and Tiling gaon to study the cultural aspects of those areas.

A popular talk was organized in connection with the World Environment Day by the PG Dept. of Botany in collaboration with the College Environment Cell which was sponsored by ASTEC, Govt. of Assam. The theme of the talk was "Air pollution: a curse to human kind" as delivered by Prof. P. P. Baruah, Prof. & Former Head, Department of Botany, Gauhati University, Guwahati, Assam.



Department of Economics organised a talk on Investment in Capital Market on 4 February, 2020 which was funded by SEBI, NSDL and NSE. The program was coordinated by Pummy Sinha and Convened by Krishna Das.



An educational trip was conducted by the department of Geography to Samdrup Jhongkhar of Bhutan on 24/10/2019 for the third Semester major students.

Department of Political Science conducted an educational tour to Umiam, Meghalaya on 23 February, 2020 for the Honours students of the department.

Intellectual effort of the faculties:

Dr. Chiranjit Baruah, Department of Zoology delivered a talk under "Educational Talk" programme on "Effects of plastics on environment and management" in association with the Department of Zoology, M.C. College and Eco-Club, M.C. College on 5 December, 2019 at St. Teresa's English Medium School, Barpeta. He was also a judge in the state level Science Exhibition cum competition organised by the DIET, Howly, Barpeta on 6 March, 2020.



Mr. Harihar Deka, Department of Political Science participated in a workshop on "Research Methodology and Recent Research Trend" from 2 - 8 July, 2019 organized by Cotton University, Guwahati.

Dr. Hitesh Das, Department of Chemistry delivered a talk under "Educational Talk" programme on "Effects of plastics on environment and management" in association with the Department of Zoology, M.C. College and Eco-Club, M.C. College on 5 December, 2019 at St. Teresa's English Medium School, Barpeta. Dr. Das participated in a one day National workshop on

"Current advances in Chemistry" organised by the department of Chemistry, Bhattadev University, Bajali on 26 October, 2019. The programme was sponsored by ASTEC, Govt. of Assam and Society of Chemical Education, Assam. Dr. Das also delivered a talk on "Single-use plastic" on an awareness programme organised by Damodardewa LP School, Barpeta on the occasion of Gandhi Jayanti on 2 October, 2019. Also he was a judge in the state level Science Exhibition cum competition organised by the DIET, Howly, Barpeta on 6 March, 2020.



Dr. Dip Kr. Bhattacharjya, Department of Botany published a research paper entitled "Phytomedicines for female infertility in Barpeta District of Assam, India" in the peer reviewed Journal "Pleione" published from North Bengal University, West Bengal. He also participated in a Short Term Course on "MOOCs, e-Content Development and Open Educational Resources" conducted by the UGC-HRDC, North Bengal University, West Bengal from 4 February to 10 February, 2020. He was also the Secretary of the Publication Cell in the Gauhati University Inter College Volleyball tournament, organized by MC College, Barpeta on 1, 2 & 3 February, 2019.

Dr. Eushah Ali, Department of Botany participated in two FDPs including FDP on "Pandemic, Life and Development: Present Challenges and Futuristic Resilience of Human kind" organized by IQAC, Morigaon College in collaboration with Indian Economic Association and FDP on "Research Methodology" organized by Kumar Bhaskar Verma Sanskrit and Ancient Studies University & Barbhag College, Nalbari, Assam during 17-24 June and 24-30 June, 2020 respectively. Also, Dr. Ali was a judge in the state level Science Exhibition cum competition organised by the DIET, Howly, Barpeta on 6 March, 2020.



Mr. Ajit Kr. Ojah, Department of Anthropology presented a research paper titled "Some Aspects of Assamese Culture and its Present Global Scenario" organized by Madhya Kamrup College, Subha, Barpeta on 22-24 June, 2020.

Dr. Bhatima Barman, Department of English presented a paper titled "The 'new woman' in Colonial India: A Study of Tilottoma Misra's Swarnalata" in a national seminar held at Cotton University on 28th and 29th September 2019. She participated in a 7 day FDP on "Gender Concerns in Education" organized by the Centre for Women's Studies, Dibrugarh University, from 26-05-2020 till 01-06-2020. She also presented a paper "Marginalisation within the Family: A Study of a few selected short stories of Shashi Deshpande" in a 3 day international webinar held in M.K.College, Subha from 22nd till 24th June 2020. She also participated in the webinar held by Royal Global University on the topic: Masculinity and Imperial Performance in George Orwell's "Shooting an Elephant" on 03-06-2020.



Dr. Tapashi Das, Department of Physics published a research paper entitled "Charge radii and leptonic decay constants of heavy-light mesons in potential model" in the Journal "Indian Journal of Physics". She also participated and presented her research paper entitled "Charge radii and constants of heavy flavoured mesons using perturbative approach" in a national level Seminar organized by ASTU, Guwahati from 15 May to 17 May, 2019. (Photo 35)ment of Political Science conducted an educational tour to Umiam, Meghalaya on 23 February, 2020 for the Honours students of the department.

Mrs. Himani Ramchiary, Department of Anthropology published a research paper titled "Special issue on state, development and marginalization : Adivasis (Tribal) and identity politics in India". She also published a chapter in the Book "Handbook of Tribal Politics in India", Sage Publication. Ms. Ramchiary guided eight students to Rajasthan under the Govt. scheme "Swachh Bharat Shrestha Bharat". Mrs. Ramchiary also presented a research paper entitled "Plants in Various Tribal Medicines: A Case Study among the Bodos of Assam" in the National Seminar organized by Botanical Society of Assam in collaboration with M.C. College, Barpeta on 3 November, 2019.



Dr. Nibedita Gogoi, Department of Chemistry presented a research paper titled "Catalytic activity of Cu(II) complex of phenylthiosemicarbazone towards Chan-Lam cross coupling reaction" in an International Seminar organised by Gauhati University, Guwahati on 13-15 February, 2020.

Mr. Sameeran Kumar Das, Department of Chemistry published a research paper entitled "Repurposing fallen leaves to bio-based reaction medium for hydration, hydroxylation, carbon-carbon and carbon-nitrogen bond" in the Journal "Sustainable Chemistry and Pharmacy (2020)". Mr. Das participated in a one day National workshop on "Current advances in Chemistry" organized by the Dept. of Chemistry, Bhattadev University, Bajali on 26 October, 2019. He also participated in a workshop on "Role of colleges in mitigation of Arsenic and Fluoride problem in Assam: an UNICEF-Assam initiative" organized by the Dept. of Chemical Sciences, Tezpur University on 24 February, 2020. He also participated in an FDP on "Managing Online classes & co-creating MOOCs" organised by the MHRD PMMNMTT, Ramanujan College, University of Delhi.



Mr. Arjun Adhikari, Department of Botany published a research paper titled "Orchid flora of Manas National Park, India" in the Asian Journal of Conservation Biology (December, 2019). Mr. Adhikari also participated in the Online Faculty Development Programme on LaTeX, Conducted by Mizoram University, Mizoram 29 June to 3 July, 2020. He also participated in the 10th Asia-Pacific Conference on Algal Biotechnology (10th APCAB), Nanchang University, Jiangxi, China (27-30 September, 2019) presenting his research work titled "Effect of pH on the growth and biochemical constituents of *Nostoc punctiforme* Hariot and *Oscillatoria princeps* Vaucher ex Gomont isolated from the coal mine soils" and in the International symposium on Biodiversity, Biology and Biotechnology of Algae (ISBBBA-2020), CAS in Botany, University of Madras, Chennai, Tamil Nadu, India (08th to 10th January, 2020) presenting his research work titled "Diversity and distribution pattern of soil algae in different coal mines of Assam". Apart from these, he became engaged in organising a two day national seminar on 'Harnessing Biodiversity for social empowerment of NE India' on 2nd and 3rd of November, 2019 in collaboration with Botanical society of Assam, at the M.C. College premises. The seminar was also incorporated by the Biennial General Meeting of Botanical Society of Assam, along with the Annual Lecture of the BSA.



Ms. Pummy Sinha, Department of Economics wrote a chapter in the book "Contemporary issues in Assam Economy" under the title "Does education sector need reformation in Assam for its economy to develop". She also participated in an FDP on "Managing Online classes & co-creating MOOCs" organised by the MHRD PMMMNMTT, Ramanujan College, University of Delhi. Ms. Sinha was also a Resource Person in an "Online Interactive Online lecture" organised by the department of Commerce, Arya Vidyapeeth College, Guwahati on the topic "Employability and digitization during Covid-19".

Mrs. Sneha Hasnu, Department of Botany published a research paper entitled "Antimicrobial activity and antioxidant properties of *Brucea mollis* Wall. ex Kurz: a medicinal plant of Northeast India" in a Peer-reviewed, UGC listed journal titled "Advances in Traditional Medicine" in the year 2020.



Mr. Tridip Boruah, Department of Botany published three research papers in UGC listed, peer reviewed journals during the year 2019-20 including "Vermicomposting of citronella bagasse and paper mill sludge mixture employing *Eisenia fetida*" (Journal: Bioresource Technology); Current understanding on industrial organic waste management by employing *Eisenia fetida* (Journal: International Journal of Environment and Pollution) and Phytosociology and antioxidant profile study for selecting potent herbs for phytoremediation of crude oil-contaminated soils (Journal: Environmental Monitoring and Assessment). Mr. Boruah also published three chapters in three different books. His chapter titles are "Need and importance of environmental education" (Book: Environmental Education and Social issues; Publisher: House of Journals); Nanobioremediation – Potential and future prospects (Book: Advances in Biotechnology and Bioscience (Vol 3), Publisher: AkiNik Publications) and Tamarind (*Tamarindus indica*) (Book: Antioxidants in Fruits: Properties and Health Benefits, Publisher: Springer, Singapore). Apart from these, he also presented a research paper titled "Phytosociological study in and around the oil drilling sites of Lakowa oil field, Sibsagar, Assam, India" in a National Seminar organized by J.N. College, Boko on 4 May, 2019.

Mr. Roman Borgohain, Department of Political Science published an article titled "The Communists and the Telengana Peasant Insurrection (1946-1951)" in the International Scientific Research Journal (e-ISSN No: 2455-295X; Vol. 5; Issue. 8) in the month of August, 2019. Mr. Borgohain authored a book chapter titled "An analysis of the Principle of Non-Refoulement and Refugee Rights under International Law" in a book entitled "Human Rights and Gender Justice (Vol-2)" (ISBN: 978-93-86964-03-1) published by Swagata Prakashan, Guwahati and edited by Dr. Abul Foyes Md Malik in the month of November, 2019. Mr. Borgohain also presented a paper titled "An analysis of the Principle of Non-Refoulement and Refugee Rights under International Law" in a two day ICSSR national seminar on "Human Rights and Gender Justice: Issues, Perspectives and Challenges" held from 31st August to 1st Sept. 2019 as organized by Dept. of Bengali, Digboi Mahila Mahavidyalaya, Digboi. He also presented his paper on "Humanism, Patriotism and Concern for Native in the Songs of Dr. Bhupen Hazarika" in the two day ICHR national seminar on "Socio-Polity and Cultural Nuances in Music of Dr. Bhupen Hazarika as Path Finder of Unity in North-East India: Trend and Prospect" held from 27th -28th Sept. 2019 as organized by Dept. of Assamese, TTN College, Khaga, Lakhimpur. Furthermore, Mr. Borgohain presented another paper titled "Issues and Challenges of Good Governance in North-East India with Special Reference to Assam" in the two day ICSSR national seminar organized by Dept. of Political Science, Kakojan College, Kakojan, Jorhat on "Opportunities and Challenges of Governance and Development in North-East India with Special Reference to Assam" held from 21st -22nd Oct. 2019. He also took part in the educational tour to Umiyam Lake, Maghalaya conducted by the Dept. of Political Science for its BA major students on 23 February, 2020.



Dr. Rashmi Jyoti Das, Department of Chemistry presented a research paper titled "A mutually beneficial pair of peri-naphthoindigo and a 4-amino-1,8-naphthalimide derivative – Designing co-aggregate systems with emission enhancement for all" in the national seminar organised by RAC-2019, NIT Meghalaya on 14-15 October, 2019.



Persons who joined the institution to be the teacher during the year 2019-20:



Mr. Tridip Boruah,
M.Sc. (GU), M.Phil. (GU)



Dr. Koncheng Buragohain,
M.A. (GU), Ph.D. (GU)



Dr. Gakul Gogoi,
MA (DU), Ph.D. (DU)



Mr. Roman Borgohain,
MA (DU)



Ms. Dharitri Teron,
M.A. (GU)



Dr. Rashmi Jyoti Das,
M.Sc. (TU), Ph.D. (IITG)



Dr. Jaydev Mandal,
M.Sc. (GU), Ph.D. (GU)

Honourable teachers who retired after completion of their successful service period



Dr. Naba Kumar Talukdar
Ex Head,
Department of Physics.
Date of retirement:
31 May, 2018.



Mr. Amarendra Kumar Das
Ex Head,
Department of English
Date of retirement:
28 February, 2019



Mrs. Deepali Deka
Ex Head,
Department of Assamese
Date of retirement:
30 September, 2019



Dr. Geeta Deved
Ex Head,
Department of Geography
Date of retirement:
29th February, 2020.



Obituary

Late Jutila Das
Laboratory Bearer, PG Department of Botany
Birth: 1st January, 1966
Death: 27 July, 2019