



# PANDU COLLEGE

Year of Establishment 1962

## (ANNUAL REPORT FOR THE PERIOD 1<sup>st</sup> APRIL 2023 TO 31<sup>st</sup> July 2024)

1. Address : Pandu College, Pandu, Ghy-12, District – Kamrup Metropolitan, Assam.
2. Website : [www.panducollege.org](http://www.panducollege.org)
3. College E-mail Id: [panducollegepc@gmail.com](mailto:panducollegepc@gmail.com)
4. Name of the Principal: Dr. Sanchay Jyoti Bora, M.Sc., Ph. D
5. Phone (i) Office (with STD Code): 0361-2570450 (ii) Mobile: 9435111435
6. E-mail ID of the Principal: [Sanchay.bora@gmail.com](mailto:Sanchay.bora@gmail.com)
7. Type of Management (Central Govt./State Govt./Public aided/Unaided): Provincialized
8. Year of Provincialisation: 2005
9. Year of recognition of UGC Act, 1956 under Section 2 F: 1968-69 under Section 12B: 1968-69
10. Year of last NAAC accreditation: 2019 Grade / Points obtained: B / CGPA – 2.38
11. Programmes offered:

Programmes	Year of first affiliation	Year of permanent affiliation
B.A.	1966-67	1989-90
B.Sc.	1966-67	1989-90
B.Com.	2008-09	-
B.Ed.		
LLB		
B.Voc.		
BCA	2011-12	-
B.Sc. Biotechnology	2011-12	-
M.A.	2012-13	-
M.Sc.	2013-14	-
M.Com.		
M.Ed.		
LLM		
Diploma		
Certificate		
Any other(please specify)		

## 12. New Academic Programmes introduced during 2023-2024:

Sl. No.	Name of the Certificate/Add-on/Value added Course
1	A Certificate Course on Statistical Data Analysis Using MS Excel and Minitab (Stat)
2	Add on course on Introduction to Artificial Intelligence (CSc)
3	Add on Course on Lesson Planning (Edu)
4	Add on course on Life Skill Education (Edu)
5	Add on Course on Official Hindi and its usage (Hin)
6	Add on Course on Translation Studies (Asm)
7	Add on course Travel and Tourism (Hist)
8	Add-On Course On Analytical tools for Biological Sciences (Bio-Tech)
9	Add-On Course On Budget Preparation (Com)
10	Add-On Course On Computer Hardware & Networking (CSc)
11	Add-On Course On DTP Assamese in Microsoft Suite (Word, Excel, Power Point) Asm
12	Add-On Course On Event Management (Com)
13	Add-On Course On Gender, Poverty, And Inequality in India (Eco)

Sl. No.	Name of the Certificate/Add-on/Value added Course
14	Add-On Course On Green Chemistry Practices (Chem)
15	Add-On Course On Indian Knowledge System On Environment (Hist)
16	Add-On Course On Loka Khadya: Prasanga aruPrayojaniyata (Asm)
17	Add-On Course On Philosophical Heritage of Indian Knowledge System (Phil)
18	Certificate Course in Statistical Techniques (Stat)
19	Certificate course on RS, GIS and GPS Application for Micro Level Land Survey (6 Months) Geo
20	Diploma Course in Basic Computer (3 Months) Geo
21	Diploma Course in Map Reading (3 Months) Geo
22	Diploma Course in GPS and DGPS (3 Months) Geo
23	Diploma Course in Surveying (3 Months) Geo

13. Students Enrolment during 2023-2024:

a) Undergraduate:

Programme	Semester	Intake capacity	Total admitted			SC			ST(P)			ST (H)			OBC/MOBC			PH		
			M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.A.	1 <sup>st</sup> Sem/ 2 <sup>nd</sup> Sem	600	117	247	364	17	21	38	10	21	31	07	04	11	26	57	83	0	0	0
	3 <sup>rd</sup> Sem/ 4 <sup>th</sup> Sem.	400	112	278	390	20	42	62	12	22	34	01	02	03	24	68	92	0	0	0
	5 <sup>th</sup> Sem./ 6 <sup>th</sup> Sem.	400	105	222	327	16	34	50	10	13	23	00	05	05	32	44	76	01	0	01
	Total	1400	334	747	1081	53	97	150	32	56	88	08	11	19	82	169	251	0	0	0
B.Sc.	1 <sup>st</sup> Sem/ 2 <sup>nd</sup> Sem	250	80	83	163	08	12	20	10	04	14	01	00	01	16	20	36	0	0	0
	3 <sup>rd</sup> Sem/ 4 <sup>th</sup> Sem.	220	66	69	135	10	09	19	04	06	10	03	01	04	23	08	31	0	0	0
	5 <sup>th</sup> Sem./ 6 <sup>th</sup> Sem.	220	65	54	119	05	02	07	06	06	12	00	04	04	19	17	36	0	0	0
	Total	690	211	206	417	23	26	46	20	16	36	04	05	09	58	45	103	0	0	0
B.Com	1 <sup>st</sup> Sem/ 2 <sup>nd</sup> Sem	150	33	16	49	03	01	04	02	03	05	02	01	03	05	05	10	0	0	0
	3 <sup>rd</sup> Sem/ 4 <sup>th</sup> Sem.	125	35	14	49	03	02	05	04	00	04	00	00	00	09	04	13	0	0	0
	5 <sup>th</sup> Sem./ 6 <sup>th</sup> Sem.	125	41	15	56	06	00	06	03	01	04	00	0	00	08	05	13	0	0	0
	Total	400	109	45	154	12	03	15	09	04	13	02	01	03	22	14	36	0	0	0
BCA	1 <sup>st</sup> Sem/ 2 <sup>nd</sup> Sem	40	31	06	37	02	01	03	06	00	06	02	00	02	07	02	09	0	0	0
	3 <sup>rd</sup> Sem/ 4 <sup>th</sup> Sem.	40	24	09	33	04	00	04	02	00	02	00	00	00	09	01	10	0	0	0
	5 <sup>th</sup> Sem./ 6 <sup>th</sup> Sem.	40	19	02	21	02	01	03	02	00	02	02	00	02	08	00	08	0	0	0
	Total	120	74	17	91	08	02	10	10	00	10	04	00	04	24	03	27	0	0	0
Bio-Technology	1 <sup>st</sup> Sem/ 2 <sup>nd</sup> Sem	30	08	13	21	02	00	02	00	00	00	00	00	01	04	05	0	0	0	
	3 <sup>rd</sup> Sem/ 4 <sup>th</sup> Sem.	30	13	06	19	01	00	01	01	00	01	01	00	01	03	00	03	0	0	0
	5 <sup>th</sup> Sem./ 6 <sup>th</sup> Sem.	30	11	11	22	00	03	03	02	01	03	00	00	00	03	03	06	0	0	0
	Total	90	32	30	62	03	03	06	03	01	04	01	00	01	07	07	14	0	0	0
Diploma programme		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Certificate programme		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other programmes (Pl. Specify)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Grand Total</b>		2700	760	1045	1805	99	131	227	74	77	151	19	17	36	193	238	431	01	0	01



ii) Passed

Examination	Total Passed			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.A. (General)	13	10	23	01	02	03	03	01	04	02	00	02	00	04	04	0	0	0
B.Sc. (General)	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	0	0	0
B.Com (General)	04	01	05	00	00	00	01	00	01	00	00	00	00	00	00	0	0	0
BCA	08	00	08	02	00	02	01	00	01	00	00	00	00	00	00	0	0	0
B.Sc. Biotechnology	09	08	17	00	00	00	00	00	00	00	00	00	01	01	02	0	0	0
PGDCA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B.Voc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B.Ed.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other courses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

15. Final Examination Result (Under graduate Major course/Honours Programme-subject wise).

(i) Appeared

Major / Honours subject	Total Appeared			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Assamese	01	11	12	01	05	06	00	00	00	00	00	00	00	03	03	0	0	0
Bengali	00	10	10	00	02	02	00	00	00	00	00	00	00	00	00	0	0	0
Economics	02	11	13	00	01	01	00	01	01	00	00	00	01	02	03	0	0	0
Education	05	18	23	01	05	06	00	01	01	01	00	01	03	06	09	0	0	0
English	05	23	28	01	01	02	00	02	02	00	00	00	00	02	02	0	0	0
Geography (Arts)	02	16	18	00	02	02	01	02	03	00	00	00	00	03	03	0	0	0
Hindi	00	08	08	00	01	01	00	00	00	00	00	00	00	01	01	0	0	0
History	05	04	09	00	00	00	00	00	00	00	00	00	01	01	02	0	0	0
Philosophy	02	11	13	00	03	03	00	03	03	00	00	00	02	03	05	0	0	0
Political Science	16	23	39	00	01	01	03	04	07	00	00	00	06	07	13	0	0	0
Botany	07	04	11	00	00	00	02	00	02	03	02	05	02	01	03	0	0	0
Chemistry	07	06	13	00	00	00	00	01	01	00	00	00	01	02	03	0	0	0
Geography (Science)	01	00	01	00	00	00	01	00	01	00	00	00	00	00	00	0	0	0
Mathematics	09	04	13	01	00	01	00	00	00	00	00	00	03	02	05	0	0	0
Physics	06	00	06	01	00	01	00	00	00	00	00	00	03	00	03	0	0	0
Statistics	02	07	09	02	02	04	00	00	00	00	00	00	00	02	02	0	0	0
Zoology	04	13	17	00	01	01	00	00	00	00	00	00	01	02	03	0	0	0
Commerce	36	13	49	06	02	08	01	01	02	00	00	00	09	02	11	0	0	0
<b>Grand Total</b>	<b>110</b>	<b>182</b>	<b>292</b>	<b>13</b>	<b>26</b>	<b>39</b>	<b>08</b>	<b>15</b>	<b>23</b>	<b>04</b>	<b>02</b>	<b>06</b>	<b>32</b>	<b>39</b>	<b>71</b>	<b>0</b>	<b>0</b>	<b>0</b>

## (ii) Passed

Major / Honours subject	Total Passed			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Assamese	00	10	10	00	05	05	00	00	00	00	00	00	00	03	03	0	0	0
Bengali	00	07	07	00	02	02	00	00	00	00	00	00	00	00	00	0	0	0
Economics	01	10	11	00	01	01	00	01	01	00	00	00	00	01	01	0	0	0
Education	04	14	18	00	03	03	00	01	01	01	00	01	03	06	09	0	0	0
English	05	23	28	01	01	02	00	02	02	00	00	00	00	02	02	0	0	0
Geography (Arts)	02	16	18	00	02	02	01	02	03	00	00	00	00	03	03	0	0	0
Hindi	00	07	07	00	00	00	00	00	00	00	00	00	00	01	01	0	0	0
History	03	03	06	00	00	00	00	00	00	00	00	00	01	00	01	0	0	0
Philosophy	02	06	08	00	02	02	00	02	02	00	00	00	02	02	04	0	0	0
Political Science	13	22	35	00	01	01	03	03	06	00	00	00	05	07	12	0	0	0
Botany	06	04	10	00	00	00	02	00	02	02	02	04	02	01	03	0	0	0
Chemistry	07	06	13	00	00	00	00	01	01	00	00	00	01	02	03	0	0	0
Geography (Science)	01	00	01	00	00	00	01	00	01	00	00	00	00	00	00	0	0	0
Mathematics	08	04	12	01	00	01	00	00	00	00	00	00	02	02	04	0	0	0
Physics	06	00	06	01	00	01	00	00	00	00	00	00	03	00	03	0	0	0
Statistics	02	07	09	02	02	04	00	00	00	00	00	00	00	02	02	0	0	0
Zoology	04	13	17	00	01	01	00	00	00	00	00	00	01	02	03	0	0	0
Commerce	34	11	45	04	02	06	01	01	02	00	00	00	09	02	11	0	0	0
<b>Grand Total</b>	<b>98</b>	<b>163</b>	<b>261</b>	<b>09</b>	<b>22</b>	<b>31</b>	<b>08</b>	<b>13</b>	<b>21</b>	<b>03</b>	<b>02</b>	<b>05</b>	<b>29</b>	<b>36</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>0</b>

## 16. Final Examination Result (Post Graduate Programmes – Subject wise)

## (i) Appeared

Subject	Total Appeared			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Assamese	06	14	20	01	03	04	00	00	00	00	00	00	02	04	06	0	0	0
Economics (Arts)	02	19	21	00	00	00	00	02	02	00	02	02	01	05	06	0	0	0
Education	01	28	29	00	01	01	00	05	05	00	02	02	00	09	09	0	0	0
Geography (Arts)	02	15	17	00	02	02	00	01	01	00	00	00	00	05	05	0	0	0
History	06	24	30	00	02	02	01	04	05	01	02	03	02	04	06	0	0	0
Political Science	02	10	12	00	01	01	01	01	02	00	00	00	01	03	04	0	0	0
Economics ( Science)	01	00	01	00	00	00	00	00	00	00	00	00	00	00	00	0	0	0
Geography (Science)	02	01	03	00	00	00	01	00	01	00	00	00	01	01	02	0	0	0
Zoology	08	12	20	01	00	01	00	00	00	00	01	01	01	06	07	0	0	0
<b>Grand Total</b>	<b>30</b>	<b>123</b>	<b>153</b>	<b>02</b>	<b>09</b>	<b>11</b>	<b>03</b>	<b>13</b>	<b>16</b>	<b>01</b>	<b>07</b>	<b>08</b>	<b>08</b>	<b>37</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>0</b>

(ii) Passed

Subject	Total Appeared			SC			ST (P)			ST(H)			OBC/ MOBC			PH		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Assamese	06	10	16	01	02	03	00	00	00	00	00	00	02	03	05	0	0	0
Economics (Arts)	01	10	11	00	00	00	00	01	01	00	00	00	00	04	04	0	0	0
Education	01	20	21	00	00	00	00	02	02	00	02	02	00	08	08	0	0	0
Geography (Arts)	01	08	09	00	01	01	00	00	00	00	00	00	00	03	03	0	0	0
History	00	01	01	00	00	00	00	00	00	00	00	00	00	00	00	0	0	0
Political Science	02	05	07	00	00	00	01	01	02	00	00	00	01	02	03	0	0	0
Economics ( Science)	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	0	0	0
Geography (Science)	01	01	02	00	00	00	01	00	01	00	00	00	00	01	01	0	0	0
Zoology	08	12	20	01	00	01	00	00	00	00	01	01	01	06	07	0	0	0
<b>Grand Total</b>	<b>20</b>	<b>67</b>	<b>87</b>	<b>02</b>	<b>03</b>	<b>05</b>	<b>02</b>	<b>04</b>	<b>06</b>	<b>00</b>	<b>03</b>	<b>03</b>	<b>04</b>	<b>27</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>

17. Library facility as on 31-03-2023

No. of Books	No. of Periodicals	No. of Manuscripts	No. of Journals	No. of E-journals	No. of library users during 2023-24
510	22	-	02	6000 + under NLIST	2766

18. Detail of Teaching Staff as on 31-03-2023

Number of		Total	Number of teachers with					
Assistant Professors	Associate Professors		Ph.D.	MPhil	NET	SLET	D.Lit	D.Sc
53	37	90	58	17	35	27	0	0

19. Computer and Internet facilities:

- a) Total number of Computers: 152      b) Number of computers with INFLIBNET- NLIST access: 120
- c) Number of ICT enabled class room(s) / smart class room (s): 32

20. Extra-curricular and Co-curricular activities:

- a) No. of N.C.C. Cadets:54
- b) No. of N.S.S. Volunteers:100
- c) No. of Scouts & Guides /Rovers /Rangers: NIL
- d) Achievements/Awards of students in Regional/National events:

21. Faculty development programmes organized by the college during 2023-24:

1. Short term course on (STC) on ‘Applications of GIS Remote Sensing in Bio-Resource Mapping and Research Methods’ from 19 to 24 February, 2024, in collaboration with Department of Geography, Pandu College and organised by Advance Level Biotech Hub, Department of Biotechnology, Pandu College.
2. Dr. Mridul Das completed a programme on ‘NEP 2020 Orientation & Sensitization programme at NEHU (MMTTP), Shillong from 1 to 10 May, 2024.
3. Anup Kumar Das completed the NEP 2020 Orientation & Sensitization programme under MMTTP of UGC organized by MMTTC, Gauhati University from 22<sup>nd</sup> March to 2<sup>nd</sup> May, 2024.
4. Pallabi Konwar completed the NEP 2020 Orientation & Sensitization programme under MMTTP of UGC organized by MMTTC, Gauhati University from 22<sup>nd</sup> March to 2<sup>nd</sup> May, 2024.
5. Dr. Sanjib Kumar Barman completed the NEP 2020 Orientation & Sensitization programme under MMTTP of UGC organized by MMTTC, NEHU, Shillong from 18 to 28 March, 2024.
6. Rebecca Kramsapi, Short Term Course: Professional Development Programme On "Implementation Of Nep-2020 For University And College Teachers organized by IGNOU-STAFF TRAINING AND RESEARCH INSTITUTE OF DISTANCE EDUCATION, NEW DELHI from 12/06/2023 to 23/06/2023
7. Rebecca Kramsapi, Assistant Organizing Secretary at “A Two day International Seminar on Fifty years of social science research (1974-2024): Assessing the achievements, trends and directions dated 15th-16th March, 2024 organized by NEICSSR and Department of Geography, Pandu College, Maligaon
8. Rebecca Kramsapi, Programme Incharge at One week (Short term) Workshop on Application of GIS in Bio-Resource Mapping and Research Methods dated 19th-24th February, 2024 at Pandu College Organized by Research Council, Dept. of Biotechnology and Dept of Geography, Pandu College in collaboration with DBT, Govt of India sponsored Advance level Biotech Hub.

22. Seminars/Workshop/Webinars conducted (2023-2024):

1. Mr. Sahil Choudhury acted as a Resource Person in the One Week (STC) workshop on “Application of GIS in Bio-Resource Mapping and Research Method” organized by Research Council, Dept. of Biotechnology and Dept. of Geography, Pandu College in collaboration with DBT, Govt. of India sponsored Advance Level Biotech Hub from 19<sup>th</sup>-24<sup>th</sup> February, 2024.
2. Mr. Sahil Choudhury acted as the Assistant Organizing Secretary in the Two Days International Seminar on 50 Years of Social Science Research: Assessing the Achievements, Trends and Directions jointly organized by NEICSSR, Shillong and Department of Geography, Pandu College on 15<sup>th</sup>-16<sup>th</sup> March, 2024.

3. UGC – NET coaching from 20 to 26 November, 2023 organised by Department of Geography, Pandu College. (Free coaching)
4. International Seminar on “Fifty years of S.S.R. (1974-2024): Assaessing the Achievement, Trends & Direction, from 15 to 16 March, 2024, sponsored by NEICSSR.
5. DBT sponsored workshop on ‘Basis in Bioinformatics; from 11-17 October, 2023.
6. Workshop on IPR and Entrepreneurship development on 16<sup>th</sup> November, 2023.
7. Workshop on Research Methodology on 17<sup>th</sup> November, 2023 organised by Advance Level Biotech Hub, Department of Biotechnology in collaboration with Department of Geography, Pandu College
8. Popular talk on ‘Carbon Dots’, organised on 18<sup>th</sup> November, 2023 by Advance Level Biotech Hub, in collaboration with Department of Chemistry.
9. Workshop on Bioinformatics organised from 1 to 5 December, 2023
10. Workshop on ‘Basics in Statistical Sciences’, organised from 6 to 13 March. 2024 by Advance Level Biotech Hub, Pandu College.
11. Mr. Mantu Mahanta, (Associate Prof.), co-ordinated the workshop on “Vermicomposting and solid waste management” from 17 to 18 May, 2024 organised by ASTEC in collaboration with ECO club, Dept. of Botany, Pandu College and in association with Environment Awareness club, Pandu College, Guwahati-12
12. Five days online NET-SLET Coaching Programme conducted by Department of Philosophy, Pandu College from 14 to 18 May, 2024.

### 23. Research Projects (2023-2024):

#### (a) Completed

- 1) One **Minor Research Project** No.PC(G)/Misc/78/2022 dated-11<sup>th</sup> May,2022 completed (Pandu College Sponsored). Title of the Project: Landslide and Its Impact on socio-environment in Guwahati City Using Remote Sensing and GIS Technology completed on 20/07/2024.

#### (b) Ongoing

- 1) DBT-NER Advanced level Biotech Hub at Pandu College, Guwahati focusing on ‘Strengthening teaching-learning and capacity building for undergraduate life science students and promoting research activities’. CO-PI: **Dr. Kalyan Deka**. Order no. 102/IFD/SAN/1605/2022-23 dated 10.02.2023. Sanctioned amount: Rs. 5784720/-.
- 2) SERB-TARE funded research project on identification of bacterial will resistant cultivars of Tomato plant for a duration of 3 years at a sanctioned amount of Rs. 18.3 lakhs to Dr. Anjan Barman, Department of Biotech, Pandu College, Guwahati-12.
- 3) DST-SERB funded research project on “Synthesis and characterization of vanadium oxo peroxy complexes: Mimicking vanadium haloperoxidases” for a duration of 3 years at a sanctioned amount of 18, 30,000 INR sanctioned to Dr. Sanchay Jyoti Bora, Dept. of Chemistry, Pandu College.
- 4) Report submitted by Dr. Aniruddha Kumar Baro, on ICSSR funded research project with DR. Pranjit Saikia, Dr. Partha Protim Borthakur and Dr. Rajesh Kalarivayli on “Assessment of the Pradhan Mantri Awas Yojana – Gramin”: Addressing Housing Needs and Improving Standards of Living in Assam for 6 months duration at a sanctioned amount of 12,00,000 INR.

- 5) “Studies of structural, electrical transport, dielectric relaxation and magnetic property of conducting polymer – ferrite nanostructure”. UGC-DAE CRS project.
- 6) SERB funded research project on “Assessment of impact of air pollutants on local air quality and human health over Guwahati” for a duration of 3 years at a sanctioned amount of 45,15,764 INR to Dr. Jhuma Biswas, Dept. of Physics.

#### 24. Academic activities:

(a) Publication of research papers in peer reviewed/UGC care list journals during 2023-2024:

- 1) Tinku Das, Jyoti B. Dutta, P.K. Boro. S. Isloor, SA Arif, **A.R Boro**, U saikia (2024) A preliminary study on Bat Lyssavirus in Assam, India, Indian Journal of Animal Research. DOI: 10.18805/IJAR.B-5258.ISSN: 0976-0555
- 2) Mondal, M.R., M.J. Kalita, **A.R. Boro**& S. Buragohain (2023). Loss of two Ganges River Dolphins in Kuls River, Assam, highlights the need for conservation action. Mammal Tales :43, In: Zoo’s Print 38(5): 03–05. ISSN: 0971-6378
- 3) Sewali Pathak, **Parag Deka** and Anish Roy (2023) Morphometric study of seven species of Genus *labeo* Cuvier,1817 (Cypriniformes: Cyprinidae) from the Brahmaputra Drainage of Assam, India along with radiographs. International journal of recent scientific research.14(7):3975-3980.ISSN: 0976-3031
- 4) Fariha Jabeen, **Bandita Talukdar**, Anjam Hussain Barbhuiya (2023) Feeding Biology of *Barilius bendelisis* (Hamilton 1807) from the Hill Streams of Manas River, Assam, India. Environment and Ecology 41 (3B): 1699—1704, July—September 2023 Article DOI: <https://doi.org/10.60151/envec/BIHE5989> ISSN 0970-0420
- 5) Anjana Singha Naorem, Rubina Azmeera Begum, Santana Saikia, **Anandita Buragohain** (2024) Ovicidal and toxicological potential of neem and harad extracts against *Megacoptacribaria* (F.) (Hemiptera: Heteroptera: Plataspidae), Assam, India. International Journal of Entomology Research. Vol 9, issue 3, page no 79-86. ISSN:2455- 4758.
- 6) **Mallika Gogoi**, Jharna Chakravorty (2023) Ethnozoological survey of Non conventional food items and their therapeutic use by the traditional healers of Dhemaji district of Assam, North-East India. International Journal of Ayurvedic Medicine, Vol 14 (3), 2023; 770-773.ISSN No: 0976-5921.
- 7) Mala Dutta and Sahil Choudhury, 2023. Crop Productivity Zones of Assam: A Geospatial Analysis, 42, 78-90. (ISSN 0973-0915). (UGC-CARE)
- 8) Bhattacharjee, N., (2023) “Evaluation of Geo-fluvial Characteristics and its Impact on Land and People using Geo-spatial Tools in Middle Brahmaputra River Basin”Published in Journal “*Journal of Data Acquisition and Processing (A multidisciplinary journal)*”(Scopus Indexed),Vol.38No.2, ISSN:1004-9037, (April.2023)Pp-1897-1913
- 9) Bhattacharjee, N., (2023) “Understanding the dynamics and severity of flood in Morigaon district, Assam”Published in Journal “*Journal of South India Social Sciences (A multidisciplinary journal)*”(UGC Care Listed),Vol.XXI No.3, ISSN:0972-8945, (July.2023) Pp-15-23
- 10) Bhattacharjee, N., (2023) “Analysis of Vegetation coverage using NDVI technique in Noa River basin, India”Published in “*North East India Social Science and Research*”, Journal (Peer Reviewed) Vol. 47.1, April, 2023, ICSSR,ISSN 0970-7913 Shillong ,Pp-103-111

- 11) Bhattacharjee, N., (2024) "Impact of Geomorphometric Characteristics on land use and Land Cover : A case study on a sub basin of Manipur river" Published in "*Journal of Cultural Studies and Social Sciences*" (**UGC Care Listed**), Vol.20 Issue:1, No.11, ISSN:2347-4777, (January to June.2024) Pp-57-65
- 12) Bhattacharjee, N., (2024) "Estimation of Soil Loss in the Nanoi River Basin using Geospatial Technique" Published in "*Indian Journal of Science and Technology*" Vol:17(Issue:18): <https://doi.org/10.17485/IJST/v17i18.1382> published by Indian Society for Education and Environment (**Web of Science and UGC Care Listed**),, ISSN:0974-6846; e-0974-5645, (April.2024) Pp-1845-1853.
- 13) Bhattacharjee, N., (2024) "Agricultural land suitability analysis in Manipur, India Using GIS and AHP" published in "*AUC Geographica*" Vol:59 (Issue:1): <https://doi.org/10.14712/23361980.2024.6> published by Acta Universitatis Carolinae Geographica UK, **IMPACT FACTOR=0.6(Scopus and Web of Science index)**,, ISSN: 0300-5402 E-ISSN: 2336-1980, (Received 10<sup>th</sup> Nov, 2023, Accepted on 6 May, 22 May.2024) Pp-1-14
- 14) Bhattacharjee, N., (2024) "Bankline migration analysis of Brahmaputra river in Morigaon district, Assam using Automated method" Published in "*Indian Journal of Science and Technology*" Vol:17(Issue:24): <https://doi.org/10.17485/IJST/v17i24.1226> published by Indian Society for Education and Environment (**Web of Science and UGC Care Listed**),, ISSN:0974-6846; e-0974-5645, (June.2024) Pp-2508-2518.
- 15) Bhattacharjee, N., (2024) "Short-term prediction of land use fragmentation in Panchnoi River Basin, Assam, India using artificial neural networks" published in "*Ecocycles*" Vol:10 (Issue:2): <https://doi.org/10.19040/ecocycles.v10i2.444> published by Scientific journal of the European Ecocycles Society, **IMPACT FACTOR=1.0(Scopus index)**,, ISSN: ISSN2416-2140, (Received July 20, 2024, Accepted on October 6, (2024) Pp-70-79
- 16) Aniruddha Sarma, Dulumoni Saharia, Aziz Mahammad, Ashish Kr. Basumatary, 2023. Comparative study on traditional beverage preparation of certain ethnic communities from Assam state of India. *Journal of Food, Agriculture & environment*, 21(2): 51-55 (WFL publisher, Finland, ISSN-1459-0255). UGC care.
- 17) Dr. Tonoy Jyoti Dowerah published a paper entitled 'Queer dharanavittik Asomiyagalpa' in UGC care listed journal 'Satsori', ISSN – 2319-88893.
- 18) Rebecca Kramsapi et al., 2024. "Spatial Estimation of Soil Erosion using RUSLE model: A case study of Kopili River Basin, Assam, India, in *International journal of Cultural studies and social science* ISSN: 2347-4777 (UGC Care Journal)
- 19) Biswajita Baruah, Manoj Sarma & Colleagues. 2024. "Catalyst and chromatography free multi component domino synthesis of S – alkyl bonbitonic acids at room temperature, synthetic communication, ISSN, DOI:10.1080/00397911.2024.2363376 JF: 1.7
- 20) Biswajita Baruah & Colleagues, 2024 (March), Indole as a versatile Building Block in Cycloaddition reactions: Synthesis of Diverse Heterocyclic Frameworks, *Topic in current chemistry*, ISSN, <https://doi.org/10.1007/541061-024-00463-/>, J.F: 7.1
- 21) Rimki Bhattacharjya, Sarojmoni Kalita & Colleagues, 2024. "Selective and comparative study of B/nZVCe-Fe and B/nZVCe-Zn Nanoparticles as Fluorescent probe for Dopamine in presence of its Interference molecules" *Journal of Fluorescence*. Doi.org/10.1007/s10895-024-03873-9, J.F: 2.5
- 22) Rimki Bhattacharjya & Colleagues, 2023 (Aug). Doi: 10.1016/j.rechem.2023.101078, *Results in chemistry*. "Green" synthesis and electrochemical studies of B/nZVCe-m nanoparticles using *Lausonia Inemis*.

- 23) Dr. Banasree Phukan, 2024 a paper titled ‘Iconography of Surya Sculpture of Assam: A comparative study of two sculptures of Assam State Museum’ published in Kala Journal of Indian Art History Congress Volume XXVIII, 2023-2024. ISSN 0975-7945, Peer Reviewed and UGC care listed.
  - 24) Rituparna Das, N. Sapkota and S. Savapondit; Solvability of an infinite system of three point BVP in  $\mathbb{C}^n$  and  $\mathbb{H}^n$  spaces using measure of noncompactness; Asian-European Journal of Mathematics, vol.16, No. 10, 2023; 2350190-1 to 2350190-18.
  - 25) Barnali Thakuria. 2024 (Feb). Development of a New Indicator with its Application to National and State Level Data. (Indian Journal of Applied Research), 14 (2). 35-38 (ISSN: 2249-555x), (DOI: 10.36106)
  - 26) Chikhla Jun Gogoi, 2024 (June). Statistical Analysis on monthly indices of Industrial Production as per use Based classification in India (International Journal of All Research Education and Scientific Methods) Vol.12 issue 6, ISSN: 2455-6211.
  - 27) R. Hoque, B.J.Hazarika, D.K.Choudhury- 2023, Masses and Decay constants of Heavy-Light and Heavy-Heavy mesons using variational method with three – loop effects. Few Body System (2023) 64:26.
  - 28) B.J.Hazarika, R.Hoque, D.K.Choudhury- 2024, Heavy-Light meson spectroscopy with strong coupling at  $N^2$  LO level in V-scheme. International Journal of Modern Physics A, Vol.38, Nos. 33 & 34 (2023) 2350172.
  - 29) A.K.Das, J.J.Kalita, Maina Borah et.al. (2023). Papaya latex mediated synthesis of prism shaped proteolytic gold nanozymes. Scientific reports, 13(5965), 1-14. (ISSN-2045-2322 (online)). (IF-3.8)
  - 30) A.K.Das, Maina Borah et.al. (2024). Cytotoxic potential of Curcuma caesia rhizome extract and derived gold nanoparticles in targeting breast cancer cell lines. Scientific reports, 14 (17223), 1-11. (ISSN-2045-2322 (online)). (IF-3.8)
  - 31) Suchitra Bera, ‘Natyakar Sukumar’, Tripura Theatre, Vol.-18, Issue-1, UGC care List sl. No.1, October, 2023.
  - 32) Dr. Sanjoy Chandra Das, “Rabindranath Chatterjee Nadi-prekshet Charita: Punarbichar”, Shristi, Vol.13, Peer Review, ISSN- 2277-6540, Page: 19-24.
  - 33) Scopus: Dr. Mayuri Barman published a paper on “Deep Ecology – A Deep Green Transition for sustainable Development” at Journal of Digital Economy, ISSN-2773-0670, vol 3(2) 2024.
  - 34) Dr. Prayasi Dutta; 2024. Asom Mech-Kacharixokolor Poromporagoto Geet-maat: Hurai Ranguli Geetor Bixekh Ullikhon. Bwibhani Rastrasewak, 74(1), ISSN 2321-4945. (UGC-care Listed Journal).
- b) Publication of Chapter(s) in Books during 2023-2024 (only those considered for API score).
- 1) Kangkan Sarma, **Bandita Talukdar** & Dandadhar Sarma (2023) Impact of and of open cast coal mines on fishes of Simsang River, garo hills; meghalaya using genotoxicity biomarkers in *Channa punctata* (bloch) in international symposium on aquatic biodiversity of the northeast region. Published by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH. ISBN: 9788119001408.
  - 2) Kalyan Deka (2023): Silk proteins of silkworms: A review. in *Biological Spectrum of Northeast India*, Vol III. ISBN: 9789392038587
  - 3) Sahil Choudhury published a book chapter entitled Geospatial Study to Assess Asian Elephant Habitat Suitability in Rani-Garbhanga Reserve Forest. Edited by Chuity Borah, published by JS Publications Guwahati, ISBN 978-93-93419-67-5, 2023.

- 4) Sahil Choudhury published a book chapter entitled Flood Hazard Mapping and Monitoring in the Kamrup District of the Lower Brahmaputra Valley, Assam: A Geospatial Appraisal. Edited by Brototi Biswas and Bhagwan Balasaheb Ghute, published by Springer Nature, Singapore ISBN 978-981-97-2687-5, 2024.
- 5) Darsana Changkakoti published a book chapter entitled Education in England in SLM for M.A. 1<sup>st</sup> semester (under CBCS) Education, Paper : EDU1036 comparative Education published by Gauhati University Centre for Distance and online Education, ISBN : 978-81-964942-8-5, March 2024
- 6) Bhattacharjee, N. and Eslamian, S..(2023) "Fluvio-Geomorphic Hazard and Its Impact on Socio-Economy, A Study on Resilience and Sustainability in Assam" Disaster Risk Reduction for Resilience Disaster Socio-Hydrological Resilience and Sustainability edited by Saeid Eslamian, and Faezeh Eslamian published by the **Springer Nature Publisher, Switzerland**, ISBN 978-3-031-43176-0, ISBN 978-3-031-43177-7 (e-Book) <https://doi.org/10.1007/978-3-031-43177-7>
- 7) Lotika Saikia published a book chapter entitled 'Moranhotor Paramparagoto Hazpar' in 'Asom Nigosthiyo Sanskriti' (1<sup>st</sup> part) edited by Niren Das and Dr. Malbika Baglari, published by Chandra Prakash, Guwahati, ISBN 978-81-244-07820, October, 2023.
- 8) Dr. Tonoy Jyoti Dowerah published a book chapter entitled "Monika devirgolpatnarikanthaswar" in Bivartanar Ruprekhat Asomiya Chutigalpa edited by Dr. Anu Rani Devi and Arnab Sarma, purbanchalprakash, ISBN-978-81-922432-8-3.
- 9) Dr. Tonoy Jyoti Dowerah published a book chapter entitled 'Akobingshosatikar Bihu' in 'Akoish' edited by Dhruva Talukdar published by DR College, Dept. of Assamese, ISBN-978-81-965169-4-9.
- 10) Dr. Tonoy Jyoti Dowerah published a book chapter entitled 'Naribadidristirejibonorbatot' in Asamiya Upanyasar Bichar, edited by Biva Rani Pathak, ISBN-978-81-929759-7-9.
- 11) Ankur Jyoti Talukdar published a book chapter in SLM of Centre for Distance and Online Education, Gauhati University, namely "Sapa madhyam anu Asamiya Bhasa" which is integral unit of M.A. course (ASM-1016) ISBN: 978-81-964928-0-9. Published in July, 2023.
- 12) Ankur Jyoti Talukdar published a book chapter in SLM of Centre for Distance and Online Education, Gauhati University, namely "Asamiya Bhasar Manyikaran" which is integral unit of M.A. course (ASM-1016) published by Direction GU CD OE, ISBN: 978-81-964928-0-9, July, 2023.
- 13) Dr. Binita Tamuli Barman published a book chapter entitled "Empowering Women Entrepreneurs": Challenges, Impact and strategies for development in Kamrup Metro district of Assam. Edited by Ira Das, Bidyut Bikash Baishya and Masur Ahmed, published by Chandra Prakash, Guwahati, ISBN-978-81-244-0794-3.
- 14) Dr. Angana Barua published a book chapter on "International Economics", published by Bookland, 2024, ISBN: 978-93-90087-90-7.
- 15) Dr. Dipanjali Haloi published a book chapter entitled Maternal Health Care Utilization among Underprivileged women in Assam during Covid-19: A case study of two districts Health and Demography in Northeast India a regional perspective. Edited by Suresh Sharma, published by BK books International, Delhi, ISBN-978-81-932517-8-2.
- 16) Dr. Dipanjali Haloi published a book chapter entitled Trilateral Highway between India, Myanmar and Thailand: Importance, Possibilities and Challenges of Northeast India. Edited by Ira Das, Bidyut Bikash, Masur Ahmed, published by Chandra Prakash, Guwahati, ISBN-978-81-244-0794-3.
- 17) Rebecca Kramsapi published a book chapter entitled "Flood Zonation Using Geospatial Technology in Springer Natural Hazards: A Case study on Kopili River Basin, Assam: Flood Risk Management: Assessment and strategy. Edited by Brototi Biswas Bhagwan Balasaheb Ghute by Springer Natural Hazards, Singapore. ISSN:2365-0064, ISBN 978-981-97-2688-2
- 18) Rebecca Kramsapi published a book chapter entitled "Analysing Vegetative Cover Using Geospatial Technology of Tinsukia District: Contemporary Issues in Geography: North Eastern Perspective. Edited by Prof. Sailanananda Saikia, Mr. Jyoti Saikia, and Mr. Bikash Jyoti Gautam. Published by Assam Book Hive, Panbazar Guwahati-1. ISBN 978-93-80247-23-6

- 19) Rebecca Kramsapi published a book chapter entitled Application of Geospatial Technologies in Mapping Wildlife Tourism in Kaziranga National park. Land, water and Livelihood Issues in North East India. Edited by Dr. Eahya Al Huda. Published by ABS Books. ISBN 978-81-19708-90-1
- 20) Dr. Aniruddha Kumar Baro published a book chapter entitled “Dynamics of contraceptive use among women of Northeast India” with Prantidutta in Health and Demography in Northeast India: A Regional Perspectives, edited by Dr. Suresh Sharma, B.K. Books International, Delhi, October, 2023. PP-145-152, ISBN 978-81-932517-8-2.
- 21) Swastika Saikia published a book chapter entitled ‘Gender concerns in education’: Gender and society edited by Dr. Lubhawani Tripathi and Dr. Abul Foyes Md Malik published by Sunbeam, Rupnagar, Guwahati ISBN: 978-93-93093-94-2
- 22) Swastika Saikia published a book chapter entitled ‘Panchayati Raj: A Decentralized Governance Mechanism in India’: Aadi Shekhi edited by by Dr. Jitendra Deka, published by Dreambook, publishing, New Delhi ISBN: 978-93-6248-826-7.
- 23) Dr. Sandipan Pathok published a book chapter entitled Hill Warfare and the Colonial North East Frontier of India: An analysis in Jnanam, edited by Dr. Barnali Rabha, published by Manab publications, Guwahati, ISBN: 978-93-93843-20-3.
- 24) Chikhla Jun Gogoi published a book chapter entitled “A statistical analysis on solar power installation in North East India” in (Multidisciplinary Approach Towards Recent Development in Basic Sciences). Edited by Dr. Biraj Das, Dr. Asha Rani Borah, Dr. Niccy Baruah. ISBN 978-93-89904-92-5, 2024. Published by Mahaveer publications.
- 25) Dr. Riju Kakati Sarma jointly published a book chapter entitled – “Pharmacognosy of Gallic Acid and its co-crystals” in the book – ‘The Chemistry of Gallic Acid and its role in health and disease’, edited by Jeff C. Murdoch, published by Nova Science Publishers, Inc. ISBN – 979-8-88697-672-4.
- 26) Suchitra Bera published a book chapter titled ‘Bibhtibhushan Baadyopadhyayer ‘Ichhamati’ Ebong Syed Abdul Maliker ‘Surujmukhir Swapna’: Ekti Tulonamulak Adhyayan, in Stabdha Chinmay Bhablok, edited by Dr. Kasturi Mukhopadhyay & Dr. Mili Samaddar, published by the Bhawanipur Education Society College, ISBN 978-93-92712-44-9, September 2023.
- 27) Dr. Mauri Barman published a book chapter “Strawson’s concept of Person: A significance of Ego in Strawson’s Person and Naess Reflection of Egocentric to Eco centric Attitude” in Futuristic Trends in Social Sciences, ISBN-978-93-5747-664-5, IIP series, vol-3, Book – 25.
- 28) Dr. Prayasi Dutta published a book chapter entitled “Asomor Vaishnav Dharma aru Asomor Mech-Kacharixohol” in: Sankardevor Bhakti-Darshan: Shriti aru Drishti. Edited by Dr. Swapnil Das and Dr. Kanima Pathak, published by Lawyer’s Book stall, panbazar, Guwahati, Assam. ISBN: 978-81-7331-458-2. 2024.

c) Publication of Books during 2023-2024 (only those considered for API score)

- 1) Dr. Parag Deka, Dr. Mallika Gogoi and Dr. Bandita Talukda redited a book on ‘Current trends & Advances in life science research’ (2024). Published by: Pandu College publication cell, Pandu College. ISBN:9788192243290
- 2) Dr. Tonoy Jyoti Dowerah published a edited book entitled ‘Pandujyotit Chinta – Taranga’ published by Pandu College, Guwahati-12, ISBN-978-81-922432-8-3.
- 3) Dr. Gitali Baruah, Dr. Rimki Bhattacharjya, Dr. Biswajita Baruah and Dr. Manoj Sarma published a book entitled “Natural and Physical Sciences in everyday life” published by Pandu College, Publication cell. ISBN:978-93-6128-026-9.
- 4) Swastika Saikia published a book entitled “Perspective on Public Administration”, published by Namrata Prakashan, Panbazar, Guwahati. ISBN- 978-81-956170-6-7.
- 5) Barnali Kalita published a text book on Political Science for B.A. 1<sup>st</sup> semester (Major & Minor) paper. Introduction to Political Theory (Assamese medium), published by Assam Book Depot, Guwahati. ISBN: 978-93-91158-01-09.
- 6) “Higher Secondary Physics Practical” Text book , published year – 2024. Author – Jayanta Hazarika

- 7) “Practical Physics for UG NEP course” Text book, ISBN: 979-8-85-820738-2, 2024. Author – Bhaskar Jyoti Hazarika.
- 8) Dr. Snehashish Dutta published a book entitled “Laboratory and Field Techniques in Plant Science (Theory & Practice). Published by Kalyani Publ. New Delhi. ISBN: 978-93-6440-230-9.
- 9) Dr. Timir Dey published a book entitled: Kavi Nilmani Phookan by Hritam publications, Guwahati – 781012.
- 10) Dr. Mayuri Barman published four books in 2023. (a) Greek Philosophy ISBN: 978-81-19620-74-6, (b) Logic and Reasoning ISBN: 978-93-5747-458-0, (c) Research Methodology ISBN: 978-93-5515-832-1, (d) Human Values and Ethics ISBN: 978-93-5757-793-9.

d) Details of Books and Journals published by the College during 2023-2024:

e) Details of papers presented by the teachers during 2023-2024:

- 1) **Bandita Talukdar** presented paper on ‘The implication of Acid Mine Drainage induced toxicity on fish fauna of Simsang River, Garohills, Meghalaya using Genotoxic biomarkers’ in International Hybrid Conference on Bioeconomy 2023 organized by the Indian Institute of Technology Guwahati from 11<sup>th</sup> -12<sup>th</sup> October, 2023.
- 2) **Bandita Talukdar** presented paper on ‘Fish scales as indicators of water toxicity from an urban stream- the Bharalu tributary of the Brahmaputra River, Assam, India’ in National Seminar on Recent trends in Biological Sciences organized by Department of Zoology in collaboration with IQAC ADP College, Nagaon, Assam, India from 29<sup>th</sup> to 30<sup>th</sup> April, 2024.
- 3) **Bandita Talukdar** presented paper on ‘Morphological and Histological changes in gills, kidney and liver of fish *Chana punctata* (bloch) exposed to acid mine drainage of coal mining’ in international conference on emerging frontiers in biological sciences: focus on climate change, agrotechnology and entrepreneurship (ICEFBS- 2024) organized by department of botany USTM in collaboration with Bodoland university and botanical society of assam from 15<sup>th</sup> to 17<sup>th</sup> May 2024.
- 4) **Mallika Gogoi** presented a paper on ‘Cultural aspects of muga culture at Dhemaji District of Upper Assam, North East India’ in National Seminar on Recent trends in Biological Sciences organized by Department of Zoology in collaboration with IQAC ADP College, Nagaon, Assam, India from 29<sup>th</sup> to 30<sup>th</sup> April, 2024.
- 5) **Mallika Gogoi** presented paper on ‘Edible silkworm species, nutrients and anti-nutrients’ in international conference on emerging frontiers in biological sciences: focus on climate change, agrotechnology and entrepreneurship (ICEFBS- 2024) organized by department of botany USTM in collaboration with Bodoland university and botanical society of assam from 15<sup>th</sup> to 17<sup>th</sup> May 2024.
- 6) Sahil Choudhury presented a paper on “The Pattern and Status of Livelihood of the People of Khatuwal Village, Jorhat and Sarukachari Village, Golaghat, Assam: A Comparative study” in the International Seminar on 50 Years of Social Science Research: Assessing the Achievements, Trends and Directions jointly organized by NEICSSR, Shillong and Department of Geography, Pandu College on 15<sup>th</sup>-16<sup>th</sup> March, 2024.
- 7) Sampa Talukdar presented a paper on ‘A study on the impact of social-media on academic performance of undergraduate students with special reference to Kamrup (M) district of Assam’ in the International seminar on 50 years of Social Science Research: Assessing the achievement, trends and directions organised by NEISSR, Shillong and Dept. of Geography, Pandu College from 15-16 March, 2024.

- 8) Darsana Changkakoti presented a paper on Sensitivity and Awareness of UG students towards social issues – An analytical study organised by NEISSR and Dept. of Geography, Pandu College from 15-16 March, 2024.
- 9) Darsana Changkakoti presented a paper on Assessing the inter personal skills of the nursing school students of Guwahati - a study in the National conference organised by Department of Education, Gauhati University from 4 – 5 April, 2024.
- 10) Aniruddha Sarma presented a paper on “Nutraceutical potentialities of certain underutilized edible plants from North-east India” in International conference on natural products and human ailment-2024, organised by Himalayan pharmacy institute, Sikkim from 14 to 17 March, 2024.
- 11) Lotika Saikia presented a paper on “Sankardevor Adarsha Aru SrampatikSamoyotEYarPrashangikota” (Dhanya Naro Tanu Dal UpanashorAdharot Aluchona) in the International Seminar on Bhakti Movement: Love Devotion and Socio-Political Implications organized by DigboiMahilaMahavidyalaya from 25 to 28 May, 2024.
- 12) Rebecca Kramsapi presented a paper Entitle “ A Geographical Analysis of KajirRonghangpi myths:, at International Conference on “oral Tradition of the Karbis: Memorizing KajirRonghangpi-“the Rhonoceros Lady” during 27-29 July, 2023 organized by The Art & Culture Department, KAAC in association with the Assam University Diphu Campus (AUDC)
- 13) Rebecca Kramsapi presented a paper entitled “ Changes in Land use and its impact on air quality: A study in Guwahati City” at National Seminar on “Environment protection, Conservation and sustainability on 16<sup>th</sup>organized by ECO CLUB, JB College in collaboration with ASTEC, Govt. of Assam
- 14) Rebecca Kramsapi presented a paper entitled “ Assessment of Bank Erosion and Channel shifting of Brahmaputra river in Morigaon Districts at Two day International seminar on 50 years of social science research: assessing the achievement, trends and directions during 15th-16th March, 2024
- 15) Dr. Biswajita Baruah presented a paper on “Green Synthesis of Oxazolidinones in Water: Regioselective and Stereoselective C-H Functionalization in a Catalyst and Additive – Free One – Pot Approach” in the International Conference on Emerging Trends in Biochemistry, organized by Nalbari College from 11 to 13 March, 2024.
- 16) Dr. Aniruddha Kumar Baro presented a paper on “Dynamics of contraceptive use among women of Northeast India” an IASP sponsored North – eastern regional conference on 3<sup>rd</sup> Regional conference of IASP in collaboration with Bodoland University, Kokrajhar during 18 -19 May, 2023.
- 17) Dr. Aniruddha Kumar Baro presented a paper on “ Politics of Ethnicity and Identity Formation in Western Assam” in Numaligarh Refinery Limited sponsored National conference multidisciplinary Research Trends in Humanities and Social Sciences -2024 organised by Govt. Model College, Kaziranga during 24-25 June, 2024.
- 18) Dr. Nizwm Sona Baro presented a paper on “Indian Knowledge system and Holistic Approach in Preserving Environment with special reference to Rig Veda Religion” in the International conference organized by Department of Geography, Pandu College in collaboration with NEICSSR, Shillong from 15-16 March, 2024.
- 19) Dr. Banasree Phukan presented a paper titled Silk in ancient and medieval Assam: an economic perspective in the International conference organized by Department of Geography, Pandu College in collaboration with NEICSSR, Shillong from 15-16 March, 2024.
- 20) Barnali Thakuria presented a paper on ‘A study on estimate of under-5 Mortality Rate at the Micro Level ‘ in the International conference on contemporary Researches in Engineering Science, Management of Arts (ICCREMSA) organized by Centre for Research and

Training(CRT), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India.

- 21) Maina Borah presented a paper on “Conservation of submerged plants with special reference to Deepor Beel, the only Ramsar site of Assam” in the International Seminar on 50 years of Social Science Research 2024 organised by NEISSR, Shillong and Department of Geography, Pandu College from 15 to 16 March, 2024.
  - 22) Maina Borah presented a paper on “From field to fabric, agriculture waste as an effective absorbent for removal of textile dyes.” In the National Seminar on Science, Technology & Innovation II organized by Department of Chemistry from 22 to 23 March, 2024.
  - 23) Dr. Snehashish Dutta presented a paper on “Arevienartisk on the rasiants of Ipomour aquatica L. occurring in Assam” in the International seminar on the theme “50 years of Social Science Research: Assessing the achievements, trends and directions” organised by NEISSR, Shillong and Department of Geography, Pandu College from 15 to 16 March, 2024.
  - 24) Dr. Mayuri Barman presented a paper on “Right to Life in Reference to the Moral status of the Fetus in performing Amniocentesis Test in Mid Trimester” in International Conference on Health and Medicine (ICHM-23) held on 16<sup>th</sup> September, 2023.
  - 25) Dr. Mayuri Barman presented a paper on “Deep Ecological Perspectives and Transmutation from G to C through Ecological Consciousness” in International Conference from 15 to 16 March, 2023
  - 26) Debashree Kaushik presented a paper on “Significance of Freedom in the concept of Education – A study into Krishna murti’s Philosophy from 15 to 16 March, 2023.
  - 27) Rumi Medhi presented a paper on Sensitivity and awareness of UG students towards social issues-An analytical study of organized by NEISSR and Dept. of Geography, Pandu College from 15-16 March, 2024.
- f) Refresher Course/Orientation Course/Short Term Course/Faculty Development Programme/Faculty Induction Programme attended by the teachers during the 2023-2024:
- 1) Dr. Kalyan Deka participated in one week Faculty Improvement program on “Biobased technology for green application” organized by DBT-IBT Hub, N.N Saikia College, Jorhat, Assam from 4<sup>th</sup> to 10<sup>th</sup> March.
  - 2) Dr. Ananda Ram Boroparticipated in one week Faculty Improvement program on “Biobased technology for green application” organized by DBT-IBT Hub, N.N Saikia College, Jorhat, Assam from 4<sup>th</sup> to 10<sup>th</sup> March.
  - 3) Dr. Anjali Boroparticipated in one week Faculty Improvement program on “Biobased technology for green application” organized by DBT-IBT Hub, N.N Saikia College, Jorhat, Assam From 4<sup>th</sup> to 10<sup>th</sup> March.
  - 4) Dr. Mallika Gogoi participated in one week Faculty Improvement program on “Biobased technology for green application” organized by DBT-IBT Hub, N.N Saikia College, Jorhat, Assam from 4<sup>th</sup> to 10<sup>th</sup> March.
  - 5) Dr. Bandita Talukdar participated in one week Faculty Improvement program on “Biobased technology for green application” organized by DBT-IBT Hub, N.N Saikia College, Jorhat, Assam from 4<sup>th</sup> to 10<sup>th</sup> March.
  - 6) Dr. Kalyan Deka participated in UGC Approved Short Term Professional Development Programme, Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Professional Development Programme on ‘Implementation of NEP2020 for University and College Teachers’ held from 12- 20 June, 2023
  - 7) Dr. Ananda Ram Boro participated in UGC Approved Short Term Professional Development Programme, Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Professional Development Programme on ‘Implementation of NEP2020 for University and College Teachers’ held from 12 - 20 June, 2023
  - 8) Dr. Mallika Gogoi participated in UGC Approved Short Term Professional Development Programme, Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Professional Development Programme on ‘Implementation of NEP2020 for University and College Teachers’ held from 12 - 20 June, 2023

- 9) Anandita Buragohain participated in UGC Approved Short Term Professional Development Programme, Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Professional Development Programme on 'Implementation of NEP2020 for University and College Teachers' held from 12 - 20 June, 2023.
- 10) Dr. Bandita Talukdar participated in UGC Approved Short Term Professional Development Programme, Under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Professional Development Programme on 'Implementation of NEP2020 for University and College Teachers' held from 12 - 20 June, 2023.
- 11) Sahil Choudhury attended a Short Term Professional Development Programme on "Implementation of NEP-2020 for University and College Teachers" organized by IGNOU from 12 to 20 June, 2023.
- 12) Sahil Choudhury attended a One Day Workshop on "Research Methodology" organized by Advance Level Biotech Hub in collaboration with Research Council, Pandu College on 17<sup>th</sup> November, 2023.
- 13) Sampa Talukdar attended a Refresher course on Pedagogy in higher education organised by MMTTC, Tezpur University from 14 to 28 November, 2023
- 14) Sampa Talukdar attended a FDP on Assessment and Evaluation organised by TLC, Tezpur University in association with Sonari College and K.R.B. Girls' College, Guwahati from 20 to 26 September, 2023.
- 15) Sampa Talukdar attended a Short term course on Nep orientation & sensitization organised by MMTTC, Tezpur University from 20 to 30 May, 2024.
- 16) Sampa Talukdar attended a FDP on Implementation of NEP – 2020 for university and college teachers organised by IGNOU from 12 to 20 June, 2023.
- 17) Darsana Changkakaoti attended a FDP on Implementation of NEP – 2020 for university and college teachers organised by IGNOU from 12 to 20 June, 2023.
- 18) Darsana Changkakaoti participated in one week FDP on Blended Learning: Concepts and tools organised by Teaching Learning Centre, Ramanujam College, University of Delhi and Rangia College from 29<sup>th</sup> March to 4<sup>th</sup> April, 2023.
- 19) Niranjana Bhattacharjee attended and Completed 2 days International seminar "Fifty Years Of Social Science Research (1974-2024): Assessing The Achievements, Trends And Directions" paper presented entitled "Flood Hazard Zone and its Impact on Economic Development in Noa river Basin, using Maximum Entropy Model in GIS" held on 15<sup>th</sup> and 16<sup>th</sup> March, 2024 at Pandu College", organized by ICSSR in collaboration with Dept. of Geography Pandu College Assam.
- 20) Niranjana Bhattacharjee attended and Completed 2 days International seminar "Fifty Years Of Social Science Research (1974-2024): Assessing The Achievements, Trends And Directions" paper presented entitled "Erosion trends in flood vulnerability along the Brahmaputra River in Nagaon District" held on 15<sup>th</sup> and 16<sup>th</sup> March, 2024 at Pandu College", organized by ICSSR in collaboration with Dept. of Geography Pandu College Assam.
- 21) Niranjana Bhattacharjee acted as Co-chairperson in an International conference on "44<sup>th</sup> IIG annual meet on "Shaping Tomorrow : Society, Culture, and Environment in An Interconnected World" organized by Department of Geography, Cotton University Guwahati, Assam, Held on 22<sup>nd</sup> to 24<sup>th</sup> January, 2024, Guwahati.
- 22) Niranjana Bhattacharjee acted as Convener in a one week workshop on "UGC-NET Coaching" by Department of Geography, Pandu College Guwahati, Assam, held on 20-11-23 to 26-11-2023, Guwahati.
- 23) Niranjana Bhattacharjee acted as Convener in a one-week workshop on "Application of GIS in Bio-Resource Mapping and Research Methods" by Department of Geography, Pandu College Research Council, Pandu College, Guwahati, Assam, held on 19-02-24 to 24-02-2024, Guwahati.

- 24) Niranjana Bhattacharjee acted as Organizing Secretary in a two-day International Seminar on Fifty Years of Social Science Research (1974-2024): Assessing the Achievements, Trends and Directions date: March 15-16, 2024 *jointly organized by* North East India Council for Social Science Research, Shillong, Meghalaya, India in collaboration with Department of Geography, Pandu College, Maligaon, Guwahati, Assam, India.
- 25) Dharamani Das attended a DBT sponsored FDP on 'Electro phoretic analysis of proteins and DNA' organised by Handique Girls' College, Guwahati from 4-8 December, 2023.
- 26) Lotika Saikia participated in a Refresher course on Northeast Languages, Literature and cultural studies organized by UGC-MMTTC, Gauhati University from 8 to 21 December, 2023.
- 27) Lotika Saikia participated in a Bharat-Term Professional Development Programme on 'Implementation of NEP-2020 for University and College Teachers' organized by PMMMNMTT from 12 to 20 June, 2023.
- 28) Ankur Jyoti Talukdar participated in 4 week faculty induction/orientation programme from 22<sup>nd</sup> November to 21<sup>st</sup> December, 2023, organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education.
- 29) Dr. Binita Tamuli Barman attended a short term course on the NEP 2020 Orientation & Sensitization programme under MMTTP of UGC organized by MMTTC, NEHU, Shillong from 12 to 21 February, 2024.
- 30) Dr. Binita Tamuli Barman attended a Faculty Development Programme on Transformational Teaching with ICT Tools to Enhance Learning organized by AIU-Academic & Administrative Development Centre, Atal Behari Vajpayee University, Bilaspur & Association of India Universities, new Delhi from 3 to 8 August, 2023.
- 31) Dr. Angana Barua attended a short term professional development programme on Implementation of NEP-2020 for University and College Teachers' organized by IGNOU from 12 to 16 June 2023.
- 32) Dr. Manoj Sarma attended a STC on Implementation of NEP-2020 for University and College Teachers' organized by IGNOU from 12 to 20 June 2023.
- 33) Dr. Biswajita Baruah attended a FDP on "National Education Policy-2020" organized by Teaching Learning Centre, Ramanujan College, University of Delhi from 29<sup>th</sup> May to 4<sup>th</sup> June, 2023.
- 34) Aniruddha Kumar Baro attended the UGC approved short term professional development programme under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching on Implementation of NEP-2020 for University and College Teachers' organized by IGNOU, Staff Training and Research Institute of Distance Education, New Delhi held from 12 to 20 June 2023.
- 35) Aniruddha Kumar Baro attended the UGC – Malviya mission Teachers Training Centre sponsored "10<sup>th</sup> Refresher course in Global studies (IDC): International Relations and World Politics" organized by JNU, New Delhi held from 3-16 January, 2024.
- 36) Dr. Nizwm Sona Baro attended a short term course (online) on Enhancing Administrative skills" organized by Tezpur University from 24 to 30 May, 2023.
- 37) Dr. Nizwm Sona Baro attended a short term course (online) on "NEP Orientation and Sensitization Program" organized by MMTTC, Tezpur University from 18-30 April, 2024.
- 38) Dr. Karishma Shravan attended a Refresher Course organized by HRDC, Patiala University from 4 to 16 December, 2023
- 39) Riju Kumar attended a Professional Development Programme on Implementation of NEP-2020 for University and College Teachers' organized by IGNOU from 12 to 20 June 2023.
- 40) Rituparna Das Kumar attended a Professional Development Programme on Implementation of NEP-2020 for University and College Teachers' organized by IGNOU from 12 to 20 June 2023.
- 41) Dr. Chikhla Jun Gogoi attended a Refresher course on Research Methodology and Data Analytics by HRDC, University of Hyderabad from 1 to 13 July, 2024.

- 42) Dr. Barnali Thakuria attended a Refresher course in Mathematics & Statistics organised by UGC-Malaviya Mission Teacher Training Centre (MMTTC), Punjabi University, Patiala held from 4 to 16 December, 2023
- 43) Dr. Pranita Das attended one week FDP on “National Education Policy – 2020” organized by Teaching Learning Centre, , Ramanujan College, University of Delhi in collaboration with Dhing College, Dhing, Nagaon, Assam from 29<sup>th</sup> May to 4<sup>th</sup> June, 2023
- 44) Dr. Pranita Das attended Professional Development Programme on Implementation of NEP-2020 for University and College Teachers’ organized by IGNOU from 12 to 20 June 2023.
- 45) Dr. Bandana Das attended Professional Development Programme on Implementation of NEP-2020 for University and College Teachers’ organized by IGNOU from 12 to 20 June 2023.
- 46) Maina Borah attended a short term Professional Development Programme on Implementation of NEP-2020 for University and College Teachers’ organized by IGNOU from 12 to 20 June 2023.
- 47) Maina Borah attended a Refresher Course organized by the HRDC, NEHU from 27<sup>th</sup> October to 11<sup>th</sup> November, 2023.
- 48) Maina Borah attended a short term course organized by Research Council, Dept. of Biotechnology and Dept. of Geography, Pandu College in collaboration with DBT, Govt. of India from 19 to 24 February, 2024.
- 49) Dr. Snehashish Dutta attended a short term Professional Development Programme on Implementation of NEP-2020 for University and College Teachers’ organized by IGNOU from 12 to 20 June 2023.
- 50) Dr. Snehashish Dutta attended a short term course on “Application of GIS in Bio-Resource Mapping and Research Methods” by Department of Geography, Pandu College Research Council, Pandu College, Guwahati, Assam, held on 19-02-24 to 24-02-2024, Guwahati.
- 51) Dr. Riju Kakati Sarma attended a FIP (online) on – “Bio-based Technology for Green Application:”, organized by DBT-IBT Hub, Nanda Nath Saikia College, Titabor from 4 – 10 March, 2024.
- 52) Dr. Riju Kakati Sarma completed the NEP 2020 Orientation and Sensitization Programme under MMTTP of UGC, organized by MMTTC, NEHU, Shillong from 5-14 June, 2024.
- 53) Dr. Riju Kakati Sarma completed a 5 – day vocational Training on “Processing and Preservation of locally available fruits and vegetables”, organized by KVK, Kamrup from 10 – 14 November, 2023 at by KVK, Kamrup.
- 54) Suchitra Bera attended a 4 week faculty induction/orientation programme organized by Teaching Learning Centre, Ramanujan College, University of Delhi, from 21<sup>st</sup> February to 19<sup>th</sup> March, 2024
- 55) Rumi Medhi attended a PDP STC on Implementation of NEP-2020 for University and College Teachers’ organized by IGNOU from 12 to 20 June 2023.
- 56) Chandana Sinha Roy attended a PDP STC on Implementation of NEP-2020 for University and College Teachers’ organized by IGNOU from 12 to 20 June 2023.

25. Awards/Fellowship received by the teachers (2023-2024): Nil

26. Patents (2023-2024): Nil

27. Teachers Visited abroad during 2023-2024: Nil

28. Hostel facilities:

No. of Boys Hostel: 01	Total seats: 60
No. of Girls Hostel: 02	Total seats: 106

## 29. Others:

Sports facilities :	1) Cricket stumps – 12 pcs 2) Cricket bat – 3 pcs 3)Weight through ball – 2 pcs 4)Discuss Throw – 3pcs 5) Carrom board – 3pcs 6) Chess – 8nos. 7) Badminton – 2nos. 8) Volley ball with net – 1 no.
Auditorium/Seminar/Conference room :	Conference Hall, Administrative Building, Arts Block
Specialized laboratory/studio/facility :	
Augmentation of infrastructural during the period 2023-2024 :	Construction of the Campuscourt and Ghaighar ( Treasure Trove of Culture)
Technology up graduation during the period 2023-2024:	Smart Board, CCTV, Lease line connection
Financial aid to students during the period 2023-2024:	Rs. 28,05,770/- (Rupees Twenty eight lakh five thousand seven hundred and seventy only)
Activities of the student counseling and Guidance Cell during the period (in brief) :	1) Awareness Programme on the Effects of sexual Abuse and Menstrual Hygiene 2) Gender Sensitization Awareness Program for students organized by women Cell, Pandu College.
Placement of students (in brief) :	1) Gourav Laha got placement in Indusland Bank, Chennai 2) Chandrana Tamili got placement in Sriram Finance Ltd. Guwahati 3) Raj Dutta got placement in Finedge Service, Pub sarania, Guwahati 4) Sumit Ghosh got placement in Indusland Bank, Chennai
Activities of Alumni Association during the period 2023-2024:	Nil
Community Outreach programme during the period 2023-2024:	Dr. Binita Tamuli Barman gives a gender sensitization talk at Ankur Bidyapith, Narengi, Guwahati on 26 <sup>th</sup> July, 2023.
Any other relevant information :	



**Principal**  
**Pandu College**  
*Principal*  
**PANDU COLLEGE, PANDU**  
**Guwahati-12, Assam**