

## Personal Profile

1. Name : MAHANANDA PATHAK.  
 2. Email & Contact No. : [mahanandapathak@yahoo.co.in](mailto:mahanandapathak@yahoo.co.in) & 9864149250.  
 3. Designation : Asst. Professor & **Dean of Science.**  
 4. Academic Qualification : M.Sc. in Physics.  
 5. Professional Qualification :  
 6. Area of Interest : Popular Science.  
 7. Date of Joining : 5<sup>th</sup> September 1991.  
 8. Teaching experience : 32 years.

9. Publications:

**(a) Research Paper in Journal:**

Sl. No.	Title of the Paper	Title of the Journal	Year of Publication/volume, issue etc.	ISSN/ Whether peer Reviewed/Impact factor, if any
1	<i>Conservation Of Management Of Renewable Or Non-Conservation Source Of Energy.</i>	<i>An International Multidisciplinary Quarterly Research Journal AJANTA.</i>	2019 Volume-VIII Issue – 1	UGC listed journal No. 40776 Impact factor/Indexing: 2018- 5.5 ISSN 2277-5730
2	<i>Management Of Environmental Science Education In Assam.</i>	<i>Research Journal Of Social And Life Science.</i>	2019 Volume-XXVIII	UGC listed journal No. 40942 Impact factor 3.938 ISSN 0973-3914
3	<i>A Brief Study Of Natural Disasters In Assam And Its Mitigation And Preparedness.</i>	<i>Research Journal Of Social And Life Science.</i>	2023, June Volume-XXXVIII	UGC listed journal (old) No. 40942 Impact factor 5.125 ISSN 0973-3914

**(b) Research paper in Seminar Proceedings:**

Sl. No.	Title of the Paper	Seminar Topic	Duration	Organised by
1	<i>Modern Poetry And Obscurity Of Modern Poetry.</i>	<i>Flok Elements In Assamese Literature.</i>	2 <sup>nd</sup> and 3 <sup>rd</sup> February, 2011.	Nalbari Commerce College, Nalbari. (UGC Sponsored NS)
2	<i>The Growth Of Population And The Socio Cultural Environmental With Population Problem Cause By Modern Life Style.</i>	<i>Environmental Awareness: Issues, Concern And Challenges.</i>	27 <sup>th</sup> and 28 <sup>th</sup> August, 2017.	Nalbari College, Nalbari. (UGC Sponsored NS).

**(c) Chapters in Edited books:**

Sl. No.	Name of the Book	Title of the Chapter/ Article	Year of Publication	ISBN
1	<i>Viswakos: Bignan (Vol. 1 Encyclopaedia Science In Assamese).</i>	<i>X Rays.</i>	2002	Assam Sahitya Sabha.
2	<i>Protean International Book Of Multidisciplinary Studies.</i>	<i>Mega Dams Of Rivers.</i>	2019	978-93-5361-399-0
3	<i>COVID-19 Indian Economy and Society</i>	<i>History of Corona</i>	2022	978-81-95385-02-7

**(d) Books Published as an Author:**

Sl. No.	Title of the Book	Year of Publication	ISBN
1	<i>Eakoish Satikar Gaveshanagarat Easwar.</i>	2014	978-93-82750-39-0
2	<i>Eakoish Satikar Gaveshanat Bhut.</i>	2015	978-93-820256-09-6
3	<i>A Text Book Of Teaching Of Science.</i>	2019	978-93-84095-79-6
4	<i>Mathematical Physics, Part 1.</i>	2019	978-93-89491-11-1
5	<i>Mathematical Physics, Part 2.</i>	2020	978-93-89491-11-1
6	<i>College Physics (Thermal Physics And Statistical Mechanics).</i>	2021	978-93-89641-27-1
7	<i>College Physics (Electricity And Magnetism).</i>	2021	978-93-90942-63-3
8	<i>College Physics (Wave And Optics).</i>	2021	978-93-90942-36-7
9	<i>College Physics (Mechanics).</i>	2022	978-93-90942-90-9
10	<i>Divine Entity Of Nature (Research Book On Environmental Science Education).</i> Ebook link: <a href="https://www.amazon.in/Divine-Entity-Nature-Sustainable-Development-ebook/dp/B08BZT2GSI">https://www.amazon.in/Divine-Entity-Nature-Sustainable-Development-ebook/dp/B08BZT2GSI</a>	2020	978-93-5407-597-1
11	<i>Elements of Modern Physics</i>	2022	978-93-93610-31-7
12	<i>Classical Dynamics</i>	2023	978-93-91166-83-0

**(e) Others:**

- i) Assam Govt. Approved text book on Environmental Studies for class VIII, prepared by Board of Secondary Education Assam and Published by *the Assam State Textbook Production and Publication Corporation Limited, Guwhati-1*. Publication years: 2007, 2008, 2009, 2010 and 2011.

## 10. Participation in Corporate life:

## (a) College Level:

Sl. No	Types of activities	Period
1	Field study (Environmental)	2005-2016, 11 years as Nodal Teacher
2	Admission related works	1991-2023, 32 years as a Member
3	Students' union election	1991-2023, 32 years Supervisor
4	Cell and Committee members	2022-2023, Grievance Redresal as a Convener
5	Examinations	1991-2023, 32 years as an Invigilator Internal And External Examiner
6	Evaluation	21 years as an Examiner
7	IQAC	2022-2023 (Ref. Governance Leadership and Management)
8	Student union In-charge	2015-2016 (Debating), 2016-2017 (Social Service). 2017-2018 (Boys Common Room)
9	Cultural & sports	
10	Any other	Enhancement programme (Public meeting)

**(b) Extension activities in Community:**

Sl. No.	Name of the Activity (Lecture, Resource person etc.)	Date
1	<i>Resource Person Of High School Teachers Training Camp On Innovative Science Society organised by Assam Science Society.</i>	19/08/2002.
2	<i>Resource Person In The Seminar Of Environmental Impact On Society organised by Office Of The Principal BKHS.</i>	12/11/2014.
3	<i>Resource Person In A Popular Talk Programme On Science And Society.</i>	29/08/2015.
4	<i>Resource Person In A Popular Talk Programme On International Year Of Light sponsored by Assam Science Technology Of Environmental Council (ASTECC), Assam.</i>	07/11/2015.
5	<i>Resource Person In Physics On Science And Mathematics organised by Assam Science Society, Assam.</i>	19/11/2015.
6	<i>Resource Person In Inaugural Meeting On National Science Day organised by Assam Science Society, Gyan Vigyan Samity Assam.</i>	07/11/2016.
7	<i>Resource Person In A Popular Talk Programme On World Environmental Day organised by Green Glob and sponsored by ASTECC.</i>	05/06/2017.
8	<i>Resource Person In A Popular Talk Programme On World Environmental Day organised by Nalbari Sahitya Sabha And MNC Girls College, Nalbari.</i>	05/06/2018.
9	<i>Resource Person In A Popular Talk Programme On Science Model And Project In 26<sup>th</sup> NCSC,2018 organised by ASC and sponsored by ASTECC.</i>	30/09/2018.
10	<i>Resource Person In A Popular Talk In Outreach Programme By College In Rural School Project organised by Assam Science Technology Of Environmental Council(ASTECC), Assam.</i>	05/11/2019.

11	Resource Person In The 28 <sup>th</sup> National Children's Science Congress, 2020 (State Level Children Science Congress) organised by Assam Science Technology Of Environmental Council (ASTECC), District Administration, Nalbari And District Organising Committee, NCSC, Nalbari.	18/01/2021 – 19/01/2021.
12	Resource Person In The 30 <sup>th</sup> National Children's Science Congress, 2022 (District Level Children's Science Congress) organised by (State organiser) Assam Science Technology Of Environmental Council (ASTECC).	11/12/2022

### 11. Membership of Professional/ Bodies/ Others:

- i) Life Member of *Assam Science Society*: 25<sup>th</sup> March 2005.
- ii) Life Member of *Assam Sahitya Sabha*: 31<sup>st</sup> July 2011.
- iii) Life Member of *Assam Physical Society*: 2<sup>nd</sup> May 2017.

### 12. RC/OP/FIP/FDP/STC/Any other course:

Sl. No.	Name of the Programme	Duration	Name of the Institution	Remarks
1	Third Refresher Course In Physics (RC).	From 7 <sup>th</sup> to 27 <sup>th</sup> March, 1998.	Visva Bharati, Santiniketan.	
2	Refresher Course In Physics (RC)	From 6 <sup>th</sup> to 26 <sup>th</sup> July, 2001.	Dibrugarh University.	
3	Refresher Course In Environmental Education (RC)	From 7 <sup>th</sup> March to 27 <sup>th</sup> March, 2005	Gauhati University	
4	Refresher Course In Environmental Science (RC).	From 8 <sup>th</sup> to 28 <sup>th</sup> December 2016.	Gauhati University.	
5	Intensive Orientation Programme In Environmental Studies (OP).	From 13 <sup>th</sup> to 18 <sup>th</sup> September 2004.	Gauhati University.	
6	Orientation Programme On Audio Science Programmes (OP).	From 4 <sup>th</sup> to 5 <sup>th</sup> October 2007	Tamilnadu Science And Technology Center, Chennai.	
7	Orientation Programme (OP-103).	From 28 <sup>th</sup> January to 24 <sup>th</sup> February 2015.	Gauhati University.	
8	Faculty Development Programme On Instructional Objectives- Teaching Science As Science (FDP).	4 <sup>th</sup> December 2014.	ICFAI University Tripura.	
9	Faculty Development Programme On Entrepreneurship Development (FDP).	From 18 <sup>th</sup> February to 2 <sup>nd</sup> March 2019.	Entrepreneurship Development Institute Of India.	
10	Orientation Programme on "E-governance cum E-office"	19 <sup>th</sup> April 2022	IQAC Barbhag College, in collaboration with S.S. Technologies, Guwahati, Assam	
11	Refresher Course In Environmental Studies (RC)	From 27 <sup>th</sup> September to 11 <sup>th</sup> October 2022.	Aligarh Muslim University, Aligarh.	

### 13. Workshop/ Seminars/ Conferences/ Symposia:

Sl. No.	Paper presentation/ Participation	Title of the Paper	Seminar Topic	Organised by	Duration
1	Participation in UGC sponsored Seminar.	Participation only.	The Problems And Prospects Of Rural Energy In Assam.	Rangia College, Rangia.	21 <sup>st</sup> And 22 <sup>nd</sup> August, 1999.
2	Participation in UGC sponsored Seminar cum Workshop.	Participation only.	Renewable Energy In North East India With Special Reference To Bioenergy Technology.	Society For Chemical Education And Handique Girls College.	4 <sup>th</sup> and 5 <sup>th</sup> September 1999.
3	Paper presentation in UGC sponsored Seminar.	Modern Poetry And Obscurity Of Modern Poetry.	Flok Elements In Assamese Literature.	Nalbari Commerce College, Nalbari. (UGC Sponsored NS).	2 <sup>nd</sup> and 3 <sup>rd</sup> February, 2011.
4	Paper presentation in UGC	The Growth Of Population And The Socio Cultural	Environmental Awareness: Issues, Concern And Challenges.	Nalbari College, Nalbari. (UGC	27 <sup>th</sup> and 28 <sup>th</sup> August, 2017.

	<i>sponsored Seminar.</i>	<i>Environmental With Population Problem Cause By Modern Life Style.</i>		<i>Sponsored NS).</i>	
5	<i>Paper presentation in Seminar.</i>	<i>Global Warming.</i>	<i>Global Warming: It's Impact On Environment.</i>	<i>Suren Das College, Hajo.</i>	<i>30<sup>th</sup> august 2014.</i>
6	<i>Participation in UGC sponsored Seminar.</i>	<i>Participation Only.</i>	<i>August Kranti Movement And Its Multi Face Dimensions In Assam Reflected In The Freedom In The Struggle Of India.</i>	<i>Barbhag College, Kalag, Nalbari.</i>	<i>11<sup>th</sup> and 12<sup>th</sup> February, 2022.</i>
7	<i>Participation in ICSSR sponsored National level seminar.</i>	<i>Participation Only.</i>	<i>Prospect And Possibilities Of Handcraft Industry For Rural Reconstruction In India With Special Reference To Assam.</i>	<i>Barbhag College, Kalag, Nalbari.</i>	<i>12<sup>th</sup> and 13<sup>th</sup> August, 2022.</i>
8	<i>Participation as a recourse person in the Workshop.</i>	<i>Participation Only.</i>	<i>Preparation Of Science Model.</i>	<i>Office Of The Principal, DIET, Nalbari.</i>	<i>10<sup>th</sup> to 12<sup>th</sup> March 2014.</i>
9	<i>Participation as a recourse person in the Workshop.</i>	<i>Participation Only.</i>	<i>Teachers Training On Science.</i>	<i>Jatiya Bidyalaya Education Council Nalbari.</i>	<i>21<sup>st</sup> March 2015.</i>
10	<i>Paper presentation in the Workshop.</i>	<i>Pollution And Social Issues.</i>	<i>Protect Wetland And To Protect Biodiversity.</i>	<i>Green Club in collaboration with IQAC, MNC Balika Mahabidyalaya , Nalbari.</i>	<i>7<sup>th</sup> to 13<sup>th</sup> April 2015.</i>
11	<i>Participation in the Workshop.</i>	<i>Participation Only.</i>	<i>Implementation of CBCS at under graduate level: opportunities and challenges.</i>	<i>ACTA, Nalbari Zonal committee.</i>	<i>26<sup>th</sup> November 2016.</i>
12	<i>Participation in Webinar.</i>	<i>Participation Only.</i>	<i>Awareness Programme On Use Of Online Resources.</i>	<i>IQAC, Barbhag College, Kalag, Nalbari.</i>	<i>29<sup>th</sup> May, 2020.</i>
13	<i>Participation in Webinar.</i>	<i>Participation Only.</i>	<i>Dark Matter, Dark Energy And Our Universe.</i>	<i>IQAC, Birjhora Mahavidyalaya , Bongaigaon.</i>	<i>18<sup>th</sup> July, 2020.</i>
14	<i>Participation in the Workshop.</i>	<i>Participation Only.</i>	<i>Intellectual Property Rights (IPR).</i>	<i>IQAC, Barbhag College, Kalag, Nalbari.</i>	<i>10<sup>th</sup> January 2022.</i>
15	<i>Participation in the UGC sponsored online Workshop.</i>	<i>Participation Only.</i>	<i>NEP 2020 Implementation</i>	<i>Aligarh Muslim University, Aligarh</i>	<i>7<sup>th</sup> October to 8<sup>th</sup> October, 2022.</i>
16	<i>Resource person in the workshop</i>	<i>A brief study for the making concept of Light Emitting Diode (LED) bulb</i>	<i>LED Bulb Making Procedure</i>	<i>IQAC, Barbhag College, Kalag, Nalbari.</i>	<i>4<sup>th</sup> May, 2023.</i>

#### 14. M.R.P./ Research Projects

#### 15. Award & Recognition ( International/National/State/Regional):

- i) **Bignan Sadhana Award**, 2021(Regional).

**16. Any other Achievements:****i) Radio script writer.**

<b>Sl. No.</b>	<b>Name of Scripts</b>	<b>Broadcast Date</b>
1	<i>Laser Rasmir Dharana- Script In Assamese.</i>	24/07/1998.
2	<i>Science For Class (VII): Pohor (Part 1 &amp; 2).</i>	25/08/1999- 01/09/1999.
3	<i>For HSLC Examinees: Bigyanar Prasnottar (I &amp; II).</i>	17/11/2001, 19/11/2001.
4	<i>Enrichment Programme For Class: VIII: Stephen Haking Ek Biral Pratibha.</i>	13/11/2003.
5	<i>Enrichment Programme For Class: VIII: Brahmandar Srishti Kenekoi Hol.</i>	29/09/2004.
6	<i>General Science For Class VI: Goti Aru Bal (Part I &amp; II).</i>	22/11/2005, 29/11/2005.
7	<i>General Science For Class (VIII): (1) Gharsen (Part- 1 &amp; 2).</i>	19/09/2011, 26/09/2011.
8	<i>General Science For Class (X): Shaktir Utsha (Part- 1, 2 &amp; 3).</i>	19/03/2014, 26/03/2014, 02/04/2014.
9	<i>General Science For HSCL Examinees (Part- 1, 2 &amp; 3).</i>	29/07/2015, 30/07/2015, 31/07/2015.
10	<i>General Science For HSCL Examinees (Part- 1, 2, 3 &amp; 4).</i>	21/12/2016, 22/12/2016, 23/12/2016, 24/12/2016.
11	<i>General Science For HSCL Examinees (Part- 1 &amp; 2).</i>	11/05/2022 17/06/2022
12	<i>General Science For Class IX Examinees (Part- 1 &amp; 2).</i>	16/01/2023