

## Personal Profile

1. Name : MAHANANDA PATHAK.  
 2. Email & Contact No. : [mahanandapathak@yahoo.co.in](mailto:mahanandapathak@yahoo.co.in) & 9864149250.  
 3. Designation : Asst. Professor of Physics.  
 4. Academic Qualification : M.Sc. in Physics.  
 5. Professional Qualification : **Dean of Science**, Barbhag College.  
 6. Area of Interest : Popular Science.  
 7. Date of Joining : 5<sup>th</sup> September 1991.  
 8. Teaching experience : 31 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>A Brief Study Of Natural Disasters In Assam And Its Mitigation And Preparedness.</i>	<i>Indian Journal Of Social Science And Sciences. (A Half-Yearly Multidisciplinary Research Journal).</i>	2012 Volume 2 Issue -1	ISSN: 2231-2447
2	<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	ISSN 2277-5730 Impact factor/Indexing: 2018- 5.5
3	<i>Management Of Environmental Science Education In Assam.</i>	<i>Research Journal Of Social And Life Science.</i>	2019 Volume-XXVIII	ISSN 0973-3914 UGC journal No. 4942 Impact factor 3.938

**(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

**(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	College Physics (Electricity And Magnetism).	2021	978-93-90942-63-3
8	College Physics (Wave And Optics).	2021	978-93-90942-36-7
9	College Physics (Mechanics).	2022	978-93-90942-90-9
10	Divine Entity Of Nature (Research Book On Environmental Science Education). 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

**(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	1991-2022, 31 years as a Member
3	Students' union election	1991-2020, 29 years Supervisor
4	Cell and Committee members	2022, Grievance Redresal as a Convener
5	Examinations	1991-2022, 31 years as an Invigilator Internal And External Examiner
6	Evaluation	20 years as an Examiner
7	IQAC	2022 (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	

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

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

**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.	

**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 sponsored Seminar.	The Growth Of Population And The Socio Cultural Environmental With Population Problem Cause By Modern Life Style.	Environmental Awareness: Issues, Concern And Challenges.	Nalbari College, Nalbari. (UGC Sponsored NS).	27 <sup>th</sup> and 28 <sup>th</sup> August, 2017.
5	Paper presentation in Seminar.	Global Warming.	Global Warming: It's Impact On Environment.	Suren Das College, Hajo.	30 <sup>th</sup> august 2014.
6	Participation in UGC sponsored Seminar.	Participation Only.	August Kranti Movement And Its Multi Face Dimensions In Assam Reflected In The Freedom In The Struggle Of India.	Barbhag College, Kalag, Nalbari.	11 <sup>th</sup> and 12 <sup>th</sup> February, 2022.
7	Participation as a recourse person in the Workshop.	Participation Only.	Preparation Of Science Model.	Office Of The Principal, DIET, Nalbari.	10 <sup>th</sup> to 12 <sup>th</sup> March 2014.
8	Participation as a recourse person in the Workshop.	Participation Only.	Teachers Training On Science.	Jatiya Bidyalaya Education Council Nalbari.	21 <sup>st</sup> March 2015.

9	<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>
10	<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>
11	<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>
12	<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>
13	<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>

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>	<i>24/07/1998.</i>
2	<i>Science For Class (VII): Pohor (Part 1 &amp; 2).</i>	<i>25/08/1999-01/09/1999.</i>
3	<i>For HSLC Examinees: Bigyanar Prasnottar (I &amp; II).</i>	<i>17/11/2001, 19/11/2001.</i>
4	<i>Enrichment Programme For Class: VIII: Stephen Haking Ek Biral Pratibha.</i>	<i>13/11/2003.</i>
5	<i>Enrichment Programme For Class: VIII: Brahmandar Srishti Kenekoi Hol.</i>	<i>29/09/2004.</i>
6	<i>General Science For Class VI: Goti Aru Bal (Part I &amp; II).</i>	<i>22/11/2005, 29/11/2005.</i>
7	<i>General Science For Class (VIII): (1) Gharsen (Part- 1 &amp; 2).</i>	<i>19/09/2011, 26/09/2011.</i>
8	<i>General Science For Class (X): Shaktir Utsha (Part- 1, 2 &amp; 3).</i>	<i>19/03/2014, 26/03/2014, 02/04/2014.</i>
9	<i>General Science For HSCL Examinees (Part- 1, 2 &amp; 3).</i>	<i>29/07/2015, 30/07/2015, 31/07/2015.</i>
10	<i>General Science For HSCL Examinees (Part- 1, 2, 3 &amp; 4).</i>	<i>21/12/2016, 22/12/2016, 23/12/2016, 24/12/2016.</i>