

Dr. Amarendranath Choudhury

Research Experience: 6 Years, Content Writing Experience: 4.5 Years,
Professional Experience: 1 Year.

Jaipal Homes, Flat No. 101, Kondapur. Hyd-84, India | +918011560748; +91 7003017920 | anc.au@hotmail.com
goo.gl/hGyFv goo.gl/xSbzqK



Summary

Hi, I am Amarendranath Choudhury from West Bengal, India. I have completed my doctoral research at Assam University, Silchar, India. Dr. Anupom Borah was my Ph.D. supervisor and PI for all the projects I have handled throughout my Ph.D. tenure (2012-2017). My doctoral research was focused on neurodegenerative disorders and Parkinson's disease was the core area of my thesis. My doctoral research was a collaborative project work (Assam University, Silchar and Indian Institute of Chemical Biology) funded by DBT and DST in different time point. I have contributed effectively in ten international publications (5 first authorship), including one book chapter and several communicated articles. I am a prolific reader, passionate researcher and I can't think any other profession except research for my career. I'm learning every day to enrich myself as a complete researcher.

Education

Doctor of Philosophy (Ph.D.) 2013 - 2017

Assam University, Silchar

Thesis title: "Effect of Hypercholesterolemia on Parkinsonism: A behavioural and Neurochemical investigation" **Supervisor:** Dr. Anupom Borah, Assistant Professor, Assam University, Silchar, Assam, India, PIN: 788011. **Institution:**

1. Department of Life Science & Bioinformatics, Assam University, Silchar, Assam, India
2. Cell Biology & Physiology Division, Indian Institute of Chemical Biology, Kolkata, India

Ph.D. Registration number: Ph.D./2424/2013

Ph.D. degree Award date: 08/08/2017

Master of Science (M.Sc.) 2009 - 2011

Visva Bharati, Santiniketan

I have completed my Masters study in Zoology with First Class Marks (63.33)

Bachelor of Science (B.Sc., Hons.) 2006 - 2009

Rahara Ramakrishna Mission (Under University of Calcutta)

I have completed my Graduation in Zoology (Hons.) with First Class Marks (61.12%)

Higher Secondary Examination (12th Grade) 2005 - 2006

Bhatpara Amarkrishna Pathsala (H.S.; Under WBCHSE)

I have completed my 12th grade studies in Science stream (Biology, Chemistry, Physics. Mathematics) with First Class marks (70.80%)

Madhyamik Pariksha (10th Grade) 2003 - 2004

Bhatpara Amarkrishna Pathsala (Under WBBSE)

I have completed my 10th grade study with First class marks (79.12%).

Research Related Work experience

Doctoral Research Experience 2013 - 2017

Assam University, Silchar

Neuroscience was the subject area of my doctoral study. I have worked on Neurodegenerative diseases and my research established a putative association between hypercholesterolemic diet and occurrence of Parkinson's disease, which was the first ever report among similar kind of research.

Start Date: 20th January, 2013; Award Date: 8th August 2017. Total Duration: 5 Years 7 Months

Project Research Assistant 2015 - 2017

Assam University Silchar; Funded by Department of Science and Technology, Govt. of India.

Project Title: Effect of Dietary Restriction on the Medication and Pathophysiology of Parkinson's disease

Principal Investigator: Dr. Anupom Borah, Assistant Professor

Institute: Assam University, Silchar

Senior Research Fellow (SRF) 2014 - 2015

Assam University and Indian Institute of Chemical Biology (IICB-CSIR); Funded by

Honorary Positions

Reviewer:

- **Environmental Toxicology and Pharmacology**, Elsevier Publishing Group, USA. ISSN: 1382-6689.
- **International Journal of Molecular Medicine**. Spandidos Publications. King Street Cloisters, London. United Kingdom
- **Neuroscience Letters**, Elsevier Publishing Group, USA. ISSN: 1432-4396
- **Medical Hypotheses**, Elsevier Publishing Group, USA. ISSN: 1432-4396
- **CNS Neuroscience & therapeutics**, John Wiley & Sons Ltd., Los Angeles, USA
- **Acta Psychopathologica**, iMed Pub LLC, 483, Green Lanes, London, N13 4BS, UK
- **Integrative Neuroscience Research**, Allied Academies, 40 Bloomsbury Way, Lower Ground Floor, London, UK
- **BioMedical Research, Allied Academics**, 40 Bloomsbury Way, Lower Ground Floor London, United Kingdom
- **Journal of Alzheimer's disease and Parkinsonism**, Omics International, USA

Editor:

- **Edelweiss: Psychiatry Open**
- **Access Journal of Neuropathology**

Membership

- **International Parkinson and Movement Disorder Society**, East Wells Street, Milwaukee, USA.
- **Indian Academy of Neuroscience**, CSIR - Indian Institute of Toxicology Research, M.G. Marg, Lucknow, India.
- **Indian National Science Academy**, 2, Bahadur Shah Zafar Marg, ITO Cross, Mata Sundari Railway Colony, Mandi House, Delhi, 110002
- **FORCE11: The Future of Research Communication and e-Scholarship**: San Diego, USA

My Research Work Published in

- PloS One-2017
- Neurochemistry International-2017
- Neurochemistry International-2015
- Neuroscience Letters-2015
- Pancreas-2016
- CNS Neuroscience & Therapeutics-2013
- Wiley-VCH Book Chapter-2017
- Biomedical Research-2017
- Biomedical Research-2017
- Neuropsychiatry-2017
- Wiley-VCH Book Publication House

Department of Biotechnology, Govt of India.

Project title: Effect of hypercholesterolemia on Brain Function.

Principal Investigator: Dr. Anupom Borah, Assistant Professor

Co-Principal Investigator: Prof. KP Mohanakumar, Chief Scientist & Head, Cell Biology & Physiology Division

Junior Research Fellow (JRF)

2012 - 2014

Assam University and Indian Institute of Chemical Biology (IICB-CSIR);

Funded by Department of Biotechnology, Govt of India.

Project title: Effect of Hypercholesterolemia on Brain function

Principal Investigator: Dr. Anupom Borah

Co-Principal Investigator: Prof. KP Mohanakumar

Institute: Assam University and Indian Institute of Chemical Biology (IICB-CSIR)

Research Studentship

2011 - 2012

Visva Bharati, Santiniketan

It was an extended work of my M.Sc. dissertation under the supervision of Prof. Samar Kr. Saha.

Publication Details

1. Anupom Borah, Rajib Paul, Sabanum Choudhury, **Amarendranath Choudhury**, Bornalee Bhuyan, Anupam Das Talukdar, Manabendra Dutta Choudhury & Kochupurackal P Mohanakumar. Neuroprotective Potential of Silymarin against CNS Disorders: Insight into the Pathways and Molecular Mechanisms of Action. **CNS Neuroscience and Therapeutics** 2016 Mar;45(3):317-24. [DOI:10.1111/cns.12175]. **IF: 4.445**

2. Rajib Paul, **Amarendranath Choudhury**, Anupom Borah. Cholesterol- a putative endogenous contributor towards Parkinson's disease. **Neurochemistry International**. 2015 Nov;90:125-33. [DOI: S0197-0186(15)30027-9].

IF: 3.334

3. Rajib Paul, **Amarendranath Choudhury**, Sabanum Choudhury, Khairujaman Mazumder. Anupom Borah. Cholesterol in pancreatic β -cell death and dysfunction: underlying mechanisms and pathological implications. **Pancreas Journal**. 2016 Mar;45(3):317-24. [DOI: 10.1097/MPA.0000000000000486]. **IF: 3.09**

4. Nivedita Bhattacharjee, Muhammed Khairujaman Mazumder, Rajib Paul, **Amarendranath Choudhury**, Sabanum Choudhury, Anupom Borah. L-DOPA treatment in MPTP-mouse model of Parkinson's disease potentiates homocysteine accumulation in substantia nigra. 2016. **Neuroscience Letter**. [DOI: 10.1016/j.neulet.2016.06.011] **IF: 2.224**

5. **Amarendranath Choudhury***, Rajib Paul*, Anupom Borah. Hypercholesterolemia causes psychomotor abnormalities in mice at the expense of altered cortico-striatal biogenic amine neurotransmitters: relevance to Parkinson's disease. **Neurochemistry International**. 2016. pii: S0197-0186(16)30231-5. [DOI: 10.1016/j.neuint.2017.01.021] **IF: 3.334**

6. **Amarendranath Choudhury***, Rajib Paul*, Anupom Borah (2016). Cholesterol contributes to dopamine-neuronal loss in MPTP mouse model of Parkinson's disease: Involvement of mitochondrial dysfunction and oxidative stress. **PLoS One**. 12(2):e0171285. [DOI: 10.1371/journal.pone.0171285.] **IF: 3.43**

7. Indrajeet Chakraborty, **Amarendranath Choudhury***, Tuhin Subhra Banerjee (2017) Artificial Intelligence in Biological Data Management. **J Inform Tech Softw Eng** 7: 207. doi: 10.4172/2165-7866.1000207. **IF: 0.41**

8. **Amarendranath Choudhury**, Dhilleswara Rao, Jagadeesh Varma, Tuhin Subhra Banerjee (2017). Cognitive and Psychological Anomalies in Parkinson's disease: An Insight into Non-Motor Characteristic Features **CNS Neuroscience and Therapeutics**. (Neuropsychiatry) 2017 (Minor revision). **IF: 4.77**

9. **Amarendranath Choudhury**, Anupom Borah. Retromer dysfunction causes synucleinopathy in Parkinson's disease: Pharmacological chaperons as a therapeutic intervention. **BioMed Res**. 2017 (Minor revision). **IF: 0.223**

10. **Amarendranath Choudhury***, Anupom Borah* Rajib Paul, Md. Khairujaman Mazumder, Swapnali Chetia (2016). Neuroprotective effect of Ayurvedic preparations and natural products on Parkinson's disease. In: Brahmachari (Ed.): **Neuroprotective Natural Products, Clinical Aspects and Mode of Action**. Wiley-VCH Publication. Berlin. Germany. (1st Edition April 2017; 384 Pages, ISBN: 978-3-527-34186-3; Wiley-VCH, Weinheim) [Book Chapter]

11. **Amarendranath Choudhury**, Anupom Borah. A transient mice model of Parkinsonism: An experimental evidence of psycho-motor behavioral recovery. **BioMed Res**. 2017 (Under review). **IF: 0.223**. **IF: 0.223**

12. **Amarendranath Choudhury**, Anirban Mukherjee, Tuhin Subhra Banerjee. Nootropics in health and disease: An insight into the mechanisms of action. Lambert Publication House. United Kingdom. [Book, in press]

13. **Amarendranath Choudhury***, Indrajeet Chakraborty, Tuhin Subhra Banerjee, Dhilleswara Rao Vana, Dattatreya Adapa. Efficacy of Morin as a Potential Therapeutic Phytochemical: Insights into the Mechanism of Action. **Int J Med Res Health Sci**. 2017. 6(11): 175-194. **IF: 0.71**

14. Rudrarup Bhattacharjee, Karishma Das Purkayastha, Dattatreya Adapa, **Amarendranath Choudhury***, CRISPR/Cas9 genome editing system in the diagnosis and treatment of cancer. **Journal of RNAi and Gene Silencing**, 2017,13(1)545-551. **IF: 3.25**

15. **Amarendranath Choudhury***, Effect and Disease Indicative Role of Inflammation in Neurodegenerative pathology: A Mechanistic Cross-talk of Promise and Dilemma. **Neuropsychiatry(Minor Revision)**. **IF: 4.77**

Lambert Publishing House

- Journal of Information Technology & Software Engineering

Teaching/R&D experience

1. **Assistant Teacher** in Laha Academy [Taught Zoology to B.Sc. and M.sc. Students for VB RET; 2010-2012]

2. **Biology Subject Expert** at Chegg Education USA. [2016-Present]

3. **Senior Quality Control Analyst** in Pulsus Group Inc. [01 Jan 2017-Present]

Area of Research

- Cellular & Molecular Neurobiology,
- Neurochemistry,
- Behavioural Neuroscience,
- Parkinson's Disease,
- Neurodegenerative disorders,
- Fish and Fisheries

Specializations

Neurobiology (Ph.D.)

Fish and Fisheries (M.Sc.)

Most Recently Reviewed Article IDs

- Jan 2018 ✓ Reviewed for Biomedical Research
- Jan 2018 ✓ Reviewed for Brain Disorders & Therapy
- Jan 2018 ✓ Reviewed for Biomedical Research
- Jan 2018 ✓ Reviewed for Journal of Cytology & Histology
- Jan 2018 ✓ Reviewed for Biomedical Research
- Jan 2018 ✓ Reviewed for Journal of Clinical Case Reports
- Jan 2018 ✓ Reviewed for Journal of Multiple Sclerosis
- 2018 ✓ Reviewed for Oncology Letters
- 2017 ✓ Reviewed for Allied Academies
- 2017 ✓ Reviewed for Allied Academies
- 2017 ✓ Reviewed for Allied Academies
- 2017 ✓ Reviewed for Allied Academies
- 2017 ✓ Reviewed for Biomedical Research
- 2017 ✓ Reviewed for Biomedical Research

Other Details

Personal Information

Name: Dr. Amarendranath Choudhury.
Father's Name: Raghunath Choudhury.
Mother's Name: Ratna Choudhury.
Birth Date: 11-07-1988
Place of Birth: Durganagar, Kankinara, West Bengal (INDIA).
Religion: Hinduism
Category: General.
Sex: Male.
Marital Status: Engaged.

16. **Amarendranath Choudhury***, Tripti Sahu, Praveena Ramanujam, Indrajeet Chakraborty, Amit Banerjee, Neurochemicals, Behaviours and Psychiatric Perspectives of Neurological Diseases. Neuropsychiatry (Minor Revision). IF: 4.77

Seminar, Conferences, and Workshop

1. Participated in a workshop titled '**Advances in Computational Neuroscience 2014**'. Venue: Department of Biomedical Engineering, North-Eastern Hill University, 793022, Shillong, Meghalaya, With association of Department of Biotechnology, National Brain Research Centre (NBRC), Gurgaon, Manesar, Haryana and Department of Biomedical Engineering, North-Eastern Hill University, Shillong, Meghalaya, India.
2. Actively participated in "**Science since Linnaeus, 2008**" seminar, Venue: Bidhannagar Govt. College, Bidhannagar Road, Bidhannagar (India)
3. Actively participated in '**National Conference on CME in Immunology**', Venue: West Bengal State University, Nilganj Road., Barasat (India)
4. Presented a talk entitled "Efficacy of *Acacia auriculiformis* FPD as a Fish toxicant: A case study based on hematology and gill architectural changes of fresh water weed fish *Channa punctatus* (Bloch.)" for the partial fulfillment of M.Sc course.
5. Oral presentation in 'Recent advances and scope in Herbal Technology: Challenges and Prospects, 2016'. Venue: Department of Pharmaceutical Sciences, Assam University, Silchar. Poster title: Effect of Pomegranate juice on Parkinson's disease: A behavioural and neurochemical investigation. **Authors:** Swapnali Chetia*, **Amarendranath Choudhury***, Rajib Paul, Anupom Borah.

Paper, Oral and Poster Presentation:

6. Paper and Poster presented in 'Recent advances and scope in Herbal Technology: Challenges and Prospects, 2016'. Venue: Department of Pharmaceutical Sciences, Assam University, Silchar. Poster title: Fruit pulp of *Garcinia* sp. protects against behavioural symptoms of Parkinson's disease. **Authors:** Rajat Nath*, **Amarendranath Choudhury***, Rajib Paul, Sanjib Puniya, Anupom Borah.
7. Paper and Poster presented in 'Recent advances and scope in Herbal Technology: Challenges and Prospects, 2016'. Venue: Department of Pharmaceutical Sciences, Assam University, Silchar. Poster title: *Garcinol* a plant component of *Garcinia* sp. ameliorates brain dysfunctions: Relevance to Parkinson's disease. **Authors:** **Amarendranath Choudhury***, Rajib Paul, Anupom Borah.
8. Paper and Poster presented in 'IBRO-APRC School of Neuroscience, titled-'Molecular advancement in Neurobiology' September, 2015'. Venue: Benaras Hindu University, Varanasi, UP, India. Poster title: High cholesterol diet causes alteration in brain biogenic amine neurotransmitters and display pasy-motor behavioural abnormalities in mice. **Authors:** Rajib Paul*, **Amarendranath Choudhury***, Sabanum Choudhury, Md. Khairujaman Mazumder, Nivedita Bhattacharjee, Anupom Borah.
9. Paper and Poster presented in 'Indian Academy of Neuroscience, titled-'Elevated cholesterol levels in Parkinson's disease potentiate dopaminergic neurodegeneration by diminishing mitochondrial functions'. Venue: National Brain Research Center, Manesar, Delhi. **Authors:** **Amarendranath Choudhury***, Rajib Paul, Anupom Borah.
10. Paper and Poster presented in 'Indian Academy of Neuroscience, titled-'L-DOPA treatment potentiates psycho-motor behavioral abnormalities in mice model of hepatic encephalopathy. Venue: National Brain Research Center, Manesar, Delhi. **Authors:** Sabanum Choudhury*, **Amarendranath Choudhury***, Muhammed Khairujaman Mazumder, Rajib Paul, Anupom Borah.

Research and Digital Skills

Research Skills

- **Light Microscopy:** Fluorescent, Phase-Contrast (NIKON).
- **Electron Microscopy:** SEM & TEM (Performed in Burdwan University & NEHU)
- **Microtomy:** Familiar with -200C Cryotome (Thermo-Fisher. USA).
- **Determination of Concentration:** Spectrophotometer, Spectrofluorometer (Thermo-Fisher, USA)
- **Chromatography:** HPLC, ECD system (WATER'S System).
- **Staining:** Immunohistochemical staining (HRP and ALP substrate solution system). H-E staining, Congo Red staining, Picro-Syrious staining.
- **Digital Competence:**
- **OS. Platforms :** Windows, Linux
- **Web Related:** Internet, E-mail, and Data mining

Research Responsibilities

Present work responsibilities:

- Preparation and reviewing scientific statement intended for publication.
- Research Manuscript review and assist editorial team for quality monitoring.
- Participating in the training program to teach new members about the work-flow and work responsibilities.
- Pre-Quality Control Editorial review of scientific articles for their relevance and fact checkup.

Scientific Keywords and Linguistics Skills

These keywords matches best to my profile.

Molecular Biology, Biochemistry, Neuroscience, Parkinson's disease, Alzheimer's disease, Amyloid beta, Lewy Body, Neurochemistry, Immunohistochemistry, Neurotransmitter, Brain histology, Neurodegeneration, neuronal diseases, Zoology,

Language Known

Bengali, Assamese, English, Hindi

Online Portfolio

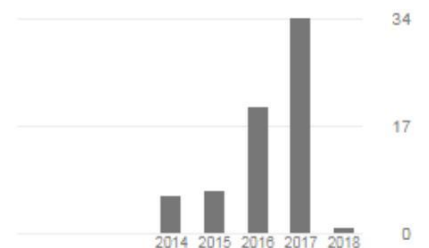
Google Scholar Details

Published Article: 11

Cite per Doc: 6.36

Cited by

	All	Since 2013
Citations	70	70
h-index	4	4
i10-index	2	2



Dr. Amarendranath Choudhury's Google

Scholar Citation details since 2014



Google Scholar

<https://scholar.google.com/citations?user=ul1UFGkAAAAJ&hl=en>



ORCID Researcher Account

orcid.org/0000-0002-7042-8139



Frontiers Loop Account

<http://loop.frontiersin.org/people/367560/overview>

- Preparation of comments on submitted articles for their further processing.
- Rational and logical fact checkup for submitted reviewer's comments.
- Authenticity of data and Ethical concerns of publication

Previous work responsibilities:

- Designing research work and handling the total experimental tasks in laboratory premises.
- Animal care and maintenance for experiment according to the institutional animal ethical regulations.
- Hypercholesterolemic and Parkinsonian rodent model preparation and validation.
- Dissection and tissue processing for immunohistochemistry, histology, HPLC and cytological staining purposes.
- Collection of experimental data and analysis of the same for potential research outcome.
- Discussion with supervisor and data interpretation with proper scientific integrity.
- Collaboration with national and international research personnel to exchange intellectual database for the potential assistance to ongoing research.
- Drafting and editing of manuscript with adequate linguistic and intellectual support.
- Statistical and software based support to the extracted data from experiments.
- Light Microscopic and Electron Microscopic data analysis.
- Addressing the comments from reviewers and assisting best to publish the research outcome.
- Developing, reviewing and editing presentable visual data for self-presentation or for supervisor.
- Leading experimental works of two Govt. of India funded project.

Awards, Fellowships and Scholarships

1. Elsevier has awarded with 'Certificate of Recognized Reviewer' for Environmental Toxicology and Pharmacology; awarded September, 2017
2. Elsevier has awarded with 'Certificate of Outstanding Contribution in Reviewing' for Environmental Toxicology and Pharmacology; awarded November, 2017
3. Qualified SLET/SET (NE Region) in 2014 with Rank of 09
4. Awarded Project Assistant Fellowship by DST (Govt. of India)
5. Awarded Junior Research Fellowship by the DBT (Govt. of India) for the session 2012-2014
6. Awarded Senior Research Fellowship by the DBT (Govt. of India) for the session 2014-2015
7. Awarded Special Merit Prize for Zoology by Swami Sukhdevananda Ji (Rahara Ramakrishna Mission) for securing second highest marks in Zoology
8. Awarded Post-Graduate Merit Scholarship from Govt. of West Bengal (2009-2011)".
9. Awarded ACSTC 'Medha Sandhan' Fellowship by the Govt. of West Bengal
10. Received Second Position in Science and cultural meet 2006, Organized by All Bengal Cultural Association.
11. Received 'Primary Final Examination' Scholarship from Govt. of West Bengal, India

References

1. **Dr. Pallab Bhattacharya**, Assistant Professor, NIPER-A. India; Email: pallab.bhu@gmail.com, pallab.nipera@gmail.com
2. **Prof. Samar Kumar Saha**, Professor, Department of Zoology, Siksha Bhavana Visva Bharati Santiniketan. Bolpur-731235, West Bengal, India. e-mail: sksaha.vb@gmail.com; sksaha.vb@rediffmail.com
3. **Prof. Anirudha Giri**, Professor, Department of Life Science & Bioinformatics, Assam University, Silchar – 788011, India. e-mail: agiri123@yahoo.com
4. **Dr. Surjya Kumar Saikia**, Assistant Professor, Department of Zoology, Siksha Bhavana Visva Bharati Santiniketan. Bolpur-731235, West Bengal, India. e-mail: surjyasurjya@gmail.com

Declaration

I hereby declare that all the particulars mentioned above are true to the best of my knowledge and belief. I must abide to provide all documentary proof to the appropriate authority whenever that will be necessary.

Dr. Amarendranath Choudhury



Researchgate researcher Profile

https://www.researchgate.net/profile/Amarendranath_Choudhury2



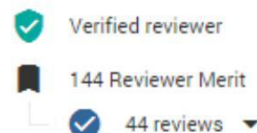
Scopus Researcher Profile

<https://www.scopus.com/authid/detail.uri?authorId=55877956900>

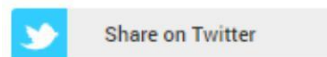


ResearcherID

<http://www.researcherid.com/rid/A-1581-2018>



IDENTIFIERS



NAVIGATE

Serves on 2 editorial boards

Has reviewed for 9 journals

44 Pre-publication Reviews

Clarivate Analytics Powered Publons Profile

<https://publons.com/author/1354293/dr-amarendranath-choudhury#profile>



Publons Reviewer Contribution