

PERSONAL PROFILE

Name: Dr. Muhammed Khairujjaman Mazumder
Position: Assistant Professor
Department: Zoology
Date of joining: 24th December, 2019.
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Correspondence Address: Department of Zoology,
Dhemaji College, Dhemaji, Assam, India - 787057
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EDUCATIONAL QUALIFICATIONS

Name of Exam / Degree / Qualification	Year	Board / University / Council / Commission	Division/ Remarks
CSIR-UGC (NET) JRF	2010	CSIR-UGC	Rank: 0221
SET/ SLET (NER)	2011	SLET Commission, NE Region	Qualified
Pre-PhD Course-work	2012	Assam University, Silchar	First Class
M.Sc. (Life Science)	2011	Assam University, Silchar	First Class Second
P.G. Diploma in Bioinformatics	2011	Assam University, Silchar	First class
B.Sc. (Zoology Hons.)	2009	Assam University, Silchar	First Class First
Senior Secondary (+2)	2006	Aligarh Muslim University, U.P.	Second
AISSE (Class X)	2003	CBSE, New Delhi	First

Details of Doctoral Research (Ph.D.)

Thesis title: Investigating the effect of chronic kidney disease on brain functions: Dissecting the neurochemical, behavioral and molecular events.
Supervisor: Dr. Anupom Borah, *Ph.D.*
Assistant Professor, Cellular and Molecular Neurobiology Laboratory
Institution: Assam University, Silchar, Assam, India - 788011.
Department: Department of Life Science & Bioinformatics.
Date of Award: 19.02.2018
Award Notification No.: AURW-13/02R/04/2013(Vol-1) dated 19.02.2018

AREA OF INTEREST / RESEARCH

Cellular & Molecular Neurobiology, Urology, Bioinformatics, Wildlife Biology.

PREVIOUS POSITION HELD:

Name of Position: Research Associate - I.
Project Title: Biochemical and molecular analysis on the role of nutrient management on Arsenic (As) stress mitigation and tolerance in North East Indian rice (*Oryza sativa* L.) cultivars.
Sponsoring Agency: Council of Scientific and Industrial Research (CSIR), Govt. of India.
Host Institution: Central Instrumentation Laboratory, Assam University, Silchar, Assam, India.
Supervisor: Dr. Shuvasish Choudhury, Assistant Professor.
Duration: 01.10.2018 to 23.12.2019 (14 months and 23 days).

HONORARY POSITION:

Member, American Society of Nephrology.

TEACHING AND RESEARCH EXPERIENCE / PREVIOUS POSITIONS

Name of Position held	Nature of Work	Name of Organization	Date of joining	Date of leaving	Duration of service	Pay
Research Associate	Research	Assam University, Silchar, India	01.10.2018	23.12.2019	14 months, 23 days	Rs. 47,000/- + HRA
Guest Faculty	Teaching	Bioinformatics Centre, Assam University	01.09.2014	31.08.2016	2 years	As per University rules

PUBLICATIONS:

A. Articles in International Peer-reviewed Journals:

2021

1. **Mazumder MK**, Moulick D, Choudhury S. Iron (Fe^{3+})-mediated redox responses and amelioration of oxidative stress in cadmium (Cd^{2+}) stressed mung bean seedlings: a biochemical and computational analysis. *Journal of Plant Biochemistry and Biotechnology* 2021. DOI: 10.1007/s13562-021-00654-4. [ISSN: 0974-1275 (Online); 0971-7811 (Print)]. (**IF: 0.773**).
2. Choudhury S, Moulick D, Borah A, Saikia P, **Mazumder MK***. In search of drugs to alleviate suppression of the host's innate immune responses against SARS-CoV-2 using a molecular modeling approach. *In Silico Pharmacology* 2021; 9: 26. DOI: 10.1007/s40203-021-00085-y. [ISSN: 2193-9616].

2020

3. Paul R, **Mazumder MK**, Nath J, Deb S, Paul S, Bhattacharya P, Borah A. Lycopene - A pleiotropic neuroprotective nutraceutical: Deciphering its therapeutic potentials in broad spectrum neurological disorders. *Neurochemistry International* 2020; 140: 104823. DOI: 10.1016/j.neuint.2020.104823. [ISSN: 0197-0186]. (**IF: 3.8**).
4. Choudhury S, Moulick D, **Mazumder MK***. Secondary metabolites protect against metal and metalloid stress in rice: An in silico investigation using dehydroascorbate reductase. *Acta Physiologiae Plantarum* 2020. DOI: 10.1007/s11738-020-03173-2. [ISSN: 1861-1664] (**IF: 1.760**).
5. Choudhury S, Moulick D, Saikia P, **Mazumder MK***. Evaluating the potential of different inhibitors on RNA-dependent RNA polymerase of severe acute respiratory syndrome coronavirus 2: A molecular modeling approach. *Medical Journal Armed Forces India* 2020. DOI: 10.1016/j.mjafi.2020.05.005. [ISSN: 0377-1237].

6. Chetia P, **Mazumder MK**, Mahanta S, De B, Dutta Choudhury M. A novel phytochemical from *Dipteris wallichii* inhibits human β -secretase 1: Implications for the treatment of Alzheimer's disease. *Medical Hypotheses*, 2020; 143: 109839. DOI: [10.1016/j.mehy.2020.109839](https://doi.org/10.1016/j.mehy.2020.109839). [ISSN: 0306-9877]. (IF: 1.382).
7. Choudhury S, **Mazumder MK***. Suggesting Ritonavir against COVID-19/SARS-CoV-2. *Medical Hypotheses*, 2020; 140: 109764. DOI: [10.1016/j.mehy.2020.109764](https://doi.org/10.1016/j.mehy.2020.109764). [ISSN: 0306-9877]. (IF: 1.382).
8. **Mazumder MK***, Choudhury AS, Barbhuiya RA, Chakravarty H, Barbhuiya B. The ecology, distribution, status, threats, and conservation of the Common Water Monitor (*Varanus salvator*) in the Dhaleswari River of Assam, India. *Amphibian & Reptile Conservation* 2020; 14(1): 1–9 (e218). [ISSN: 1083-446X (Print); 1525-9153 (Online)]. (IF: 1.133).
9. Singha U, Choudhury AS, Chakravarty H, **Mazumder MK***, Barbhuiya SA. Status, threats, and conservation of the mega-reptilian fauna of southern Assam, India. *Journal of the Bombay Natural History Society* 2020; 117: 90-98. doi: [10.17087/jbnhs/2020/v117/145378](https://doi.org/10.17087/jbnhs/2020/v117/145378). [ISSN: 0006-6982 (Print); 2454-1095 (Online)].
10. **Mazumder MK***, Borah A, Choudhury S. Inhibitory potential of plant secondary metabolites on anti-Parkinsonian drug targets: Relevance to pathophysiology, and motor and non-motor behavioural abnormalities. *Medical Hypotheses* 2020; 137: 109544. DOI: [10.1016/j.mehy.2019.109544](https://doi.org/10.1016/j.mehy.2019.109544). [ISSN: 0306-9877]. (IF: 1.382).

2019

11. Saikia R, Choudhury S, Borah A, **Mazumder MK***. Ameliorative effects of *Garcinia pedunculata* fruit extract on adenine-induced chronic kidney disease in mice, and the role of Garcinol: relevance to hyperuricemia and urolithiasis. *Oriental Pharmacy and Experimental Medicine* 2019; 20: 255–261. DOI: [10.1007/s13596-019-00402-z](https://doi.org/10.1007/s13596-019-00402-z). [ISSN: 2662-4060 (Online); 2662-4052 (Print)].
12. **Mazumder MK***, Choudhury S, Borah A. An *in silico* investigation on the inhibitory potential of the constituents of Pomegranate juice on antioxidant defense mechanism: relevance to neurodegenerative diseases. *IBRO Reports* 2019; 6: 153-159. DOI: [10.1016/j.ibror.2019.05.003](https://doi.org/10.1016/j.ibror.2019.05.003). [ISSN: 2451-8301].
13. Deb S, Phukan BC, **Mazumder MK**, Dutta A, Paul R, Bhattacharya P, Sandhir R, Borah A. Garcinol, a multi-faceted sword for the treatment of Parkinson's disease. *Neurochemistry International* 2019; 128: 50-57. DOI: [10.1016/j.neuint.2019.04.004](https://doi.org/10.1016/j.neuint.2019.04.004). [ISSN: 0197-0186]. (IF: 3.8).
14. **Mazumder MK**, Paul R, Bhattacharya P, Borah A. Neurological sequel of chronic kidney disease: From diminished Acetylcholinesterase activity to mitochondrial dysfunctions, oxidative stress and inflammation in mice brain. *Scientific Reports* 2019; 9: 3097. DOI: [10.1038/s41598-018-37935-3](https://doi.org/10.1038/s41598-018-37935-3). [ISSN 2045-2322 (online)]. (IF: 4.6).
15. **Mazumder MK***, Choudhury S. Tea polyphenols as multi-target therapeutics for Alzheimer's disease: An *in silico* study. *Medical Hypotheses* 2019; 125: 94–99. DOI: [10.1016/j.mehy.2019.02.035](https://doi.org/10.1016/j.mehy.2019.02.035). [ISSN: 0306-9877]. (IF: 1.382).
16. Choudhury NB, **Mazumder MK***, Chakravarty H, Choudhury AS, Boro F, Choudhury IB. The endangered Ganges river dolphin heads towards local extinction in the Barak river system of

Assam, India: A plea for conservation. *Mammalian Biology*, 2019; 95: 102–111. DOI: [10.1016/j.mambio.2019.03.007](https://doi.org/10.1016/j.mambio.2019.03.007). [ISSN: 1616-5047]. (IF: 1.3).

2018

17. Chakravarty H, **Mazumder MK***, Boro F, Choudhury IB. The factors determining the differential Habitat use by sympatric primates: the case of Southern Assam, India. *Journal of Biology and Nature* 2018; 9(1): 9-19. [ISSN: 2395-5376 (Print); 2395-5384 (Online)].
18. **Mazumder MK**, Paul R, Phukan BC, Dutta A, Chakrabarty J, Bhattacharya P, Borah A. Garcinol, an effective monoamine oxidase-B inhibitor for the treatment of Parkinson's disease. *Medical Hypotheses* 2018; 117: 54-58. DOI: [10.1016/j.mehy.2018.06.009](https://doi.org/10.1016/j.mehy.2018.06.009). [ISSN: 0306-9877]. (IF: 1.382).
19. Paul R, Dutta A, Phukan BC, **Mazumder MK**, Justin-Thenmozhi A, Manivasagam T, Bhattacharya P, Borah A. Accumulation of Cholesterol and Homocysteine in the Nigrostriatal Pathway of Brain Contributes to the Dopaminergic Neurodegeneration in Mice. *Neuroscience* 2018; 388:347-356. DOI: [10.1016/j.neuroscience.2018.07.041](https://doi.org/10.1016/j.neuroscience.2018.07.041). [ISSN: 0306-4522]. (IF: 3.382).
20. **Mazumder MK**, Phukan BC, Bhattacharjee A, Borah A. Disturbed purine nucleotide metabolism in chronic kidney disease is a risk factor for cognitive impairment. *Medical Hypotheses* 2018; 111: 36-39. DOI: [10.1016/j.mehy.2017.12.016](https://doi.org/10.1016/j.mehy.2017.12.016). [ISSN: 0306-9877]. (IF: 1.382).

2016

21. **Mazumder MK**, Giri A, Kumar S, Borah A. A highly reproducible mice model of chronic kidney disease: Evidences of behavioural abnormalities and Blood-brain barrier disruption. *Life Sciences*, 2016; 161: 27 - 36. DOI: [10.1016/j.lfs.2016.07.020](https://doi.org/10.1016/j.lfs.2016.07.020). [ISSN: 0024-3205]. (IF: 3.7).
22. Bhattacharjee N, **Mazumder MK**, Paul R, Choudhury A, Choudhury S, Borah A. L-DOPA treatment in MPTP-mouse model of Parkinson's disease potentiates homocysteine accumulation in substantia nigra. *Neuroscience Letters*, 2016; 628:225-229. DOI: [10.1016/j.neulet.2016.06.011](https://doi.org/10.1016/j.neulet.2016.06.011). [ISSN: 0304-3940]. (IF: 2.5).
23. **Mazumder MK**, Bhattacharjee N, Borah A. Garcinol prevents hyperhomocysteinemia and enhances bioavailability of L-DOPA by inhibiting catechol-o-methyltransferase: an *in silico* approach. *Medicinal Chemistry Research*, 2016; 25(1): 116-122. DOI: [10.1007/s00044-015-1472-z](https://doi.org/10.1007/s00044-015-1472-z). [ISSN: 1054-2523 (Print); 1554-8120 (Online)]. (IF: 1.5).
24. Paul R, Choudhury A, Choudhury S, **Mazumder MK**, Borah A. Cholesterol in pancreatic β -cell death and dysfunction: underlying mechanisms and pathological implications. *Pancreas (LWW)* 2016; 45(3): 317-324. DOI: [10.1097/MPA.0000000000000486](https://doi.org/10.1097/MPA.0000000000000486). [ISSN: 0885-3177]. (IF: 3.8).

2015

25. **Mazumder MK**, Borah A. Piroxicam confer neuroprotection in Cerebral Ischemia by inhibiting cyclooxygenases, acid-sensing ion channel-1a and aquaporin-4: an *in silico* elucidation of a novel mechanism. *Bioinformation*, 2015; 11(4): 217-222. DOI: [10.6026/97320630011217](https://doi.org/10.6026/97320630011217). [ISSN: 0973-2063 (Online); 0973-8894 (Print)]. (IF: 1.15).

2014

26. **Mazumder MK**, Borah A. Piroxicam inhibits NMDA receptor-mediated excitotoxicity through allosteric inhibition of the GluN2B subunit: an in silico study elucidating a novel mechanism of action of the drug. *Medical Hypotheses*, 2014; 83: 740–746. DOI: [10.1016/j.mehy.2014.09.031](https://doi.org/10.1016/j.mehy.2014.09.031). [ISSN: 0306-9877]. (IF: 1.382).
27. **Mazumder MK**, Bhattacharya P, Borah A. Inhibition of matrix metalloproteinase-2 and 9 by Piroxicam confer neuroprotection in cerebral ischemia: An in silico evaluation of the hypothesis. *Medical Hypotheses*, 2014; 83: 697–701. DOI: [10.1016/j.mehy.2014.09.021](https://doi.org/10.1016/j.mehy.2014.09.021). [ISSN: 0306-9877]. (IF: 1.382).
28. **Mazumder MK***, Boro F, Barbhuiya B, Singha U. A study of the winter congregation sites of the Gangetic River Dolphin in southern Assam, India, with reference to conservation. *Global Ecology and Conservation*, 2014; 2: 359–366. DOI: [10.1016/j.gecco.2014.09.004](https://doi.org/10.1016/j.gecco.2014.09.004). [ISSN: 2351-9894]. (IF: 2.1).
29. **Mazumder MK***. Diversity, habitat preferences, and conservation of the primates of Southern Assam, India: The story of a primate paradise. *Journal of Asia-Pacific Biodiversity*, 2014; 7: 347-354. DOI: [10.1016/j.japb.2014.10.001](https://doi.org/10.1016/j.japb.2014.10.001). (ISSN: 2287-884X).
30. **Mazumder MK***. Annual Migration of the Gangetic Dolphin and the fish *Tenualosa (Hilsa) ilisha*: correlation or coincidence? A report from the Barak river of Assam, India. *Tigerpaper (FAO)* 2014; 41 (4): 30-32. [ISSN: 1014 – 2789].

2013

31. **Mazumder MK**, Paul R, Borah A. β -phenethylamine - a phenylalanine derivate in brain – Contributes to Oxidative Stress by Inhibiting Mitochondrial Complexes and DT-Diaphorase: An In Silico Study. *CNS Neuroscience and Therapeutics*, 2013; 19(8): 596-602. DOI: [10.1111/cns.12113](https://doi.org/10.1111/cns.12113). [ISSN: 1755-5949 (Online)]. (IF: 4.443).
32. Borah A, Paul R, **Mazumder MK**, Bhattacharjee N. Contribution of β -phenethylamine - a component of chocolates and wine, in dopaminergic neurodegeneration: Implications in the pathogenesis of Parkinson's disease. *Neuroscience Bulletin*, 2013; 29(5): 655–660. DOI: [10.1007/s12264-013-1330-2](https://doi.org/10.1007/s12264-013-1330-2). [ISSN: 1673-7067 (Print); 1995-8218 (Online)]. (IF: 1.832).

2011

33. Chetia P, Nath S, Mitra A, **Mazumder MK**, Laskar MA, Dutta Choudhury M, Sharma GD. Introducing BioAnalytica v.1: a new PERL based software for Biological Sequence Analysis. *Assam University Journal of Science & Technology (Physical Sciences & Technology)* 2011; 8(II):80-84.

B. Book Chapters:

1. Moulick D, Samanta S, Saha B, **Mazumder MK**, Dogra S, Panigrahi KCS, Banerjee S, Ghosh D, Santra SC. Salinity Stress Responses in Three Popular Field Crops Belonging to Fabaceae Family: Current Status and Future Prospect. In: Hasanuzzaman M., Araújo S., Gill S. (eds) *The*

Plant Family Fabaceae. Springer, Singapore. pp 519-541. [Print ISBN: 978-981-15-4751-5. Online ISBN: 978-981-15-4752-2]. DOI: 10.1007/978-981-15-4752-2_20.

2. Deb S, **Mazumder MK**, Dutta A, Phukan BC, Bhattacharya P, Paul R, Borah A. 2019. Therapeutic implications of anti-inflammatory natural products in Alzheimer's disease. Ch. 5; Pp. 91-105. In: *Goutam Brahmachari (Editor), Discovery and Development of Anti-inflammatory Agents from Natural Products*. 1st Edition. Elsevier B.V. ISBN (P): 9780128169926. DOI: [10.1016/B978-0-12-816992-6.00008-5](https://doi.org/10.1016/B978-0-12-816992-6.00008-5).
3. Borah A, Choudhury A, Paul R, **Mazumder MK**, Chetia S. 2017. Neuroprotective effect of Ayurvedic preparations and natural products on Parkinson's disease. Ch. 8; Pp. 241-258. In: *Goutam Brahmachari (Editor), Neuroprotective Natural Products: Clinical Aspects and Mode of Action*. Wiley-VCH Verlag GmbH & Co. KGaA. ISBN (P): 9783527341863. DOI: [10.1002/9783527803781](https://doi.org/10.1002/9783527803781).
4. **Mazumder MK**. 2019. Investigating the effects of chronic kidney disease on brain functions: Dissecting the neurochemical, behavioral and molecular events. Pp. 115-119. In: *Gopesh Kumar Sarma (Editor), Summary of Doctoral Theses, Vol. IX*. Assam College Teachers' Association & Panchajanya Books, Bamunimaidam, Guwahati-21, Assam, India. ISBN: 978-93-88645-29-4.
5. **Mazumder MK**. 2019. Ecology, distribution and conservation status of the Gangetic river dolphin in the Barak river system of Assam. Ch. 18, Pp. 192-198. In: Dr. Rajeev Basumatary and Dr. Samarajit Ojah (Editors), *Biodiversity and its conservation: Issues and cases from Assam*. Assam College Teachers' Association. Saraswati Books, Guwahati-37, Assam, India. [ISBN: 978-81-940053-8-4].
6. **Mazumder MK**. 2018. Large Indian Civet, Pp. 133-136. In: *Anwaruddin Choudhury (Editor), Natural History of North East India Series, Vol. 1: Mammals*. Rashmi Prakashan, Guwahati, India. ISBN: 978-81-927066-5-8.
7. **Mazumder MK**. 2018. Small Indian Civet, Pp. 137-139. In: *Anwaruddin Choudhury (Editor), Natural History of North East India Series, Vol. 1: Mammals*. Rashmi Prakashan, Guwahati, India. ISBN: 978-81-927066-5-8.
8. **Mazumder MK**. 2018. Ganges River Dolphin, Pp. 174-177. In: *Anwaruddin Choudhury (Editor), Natural History of North East India Series, Vol. 1: Mammals*. Rashmi Prakashan, Guwahati, India. ISBN: 978-81-927066-5-8.
9. **Mazumder MK**. 2018. Crestless Himalayan Porcupine, Chinese Porcupine, Malayan Porcupine, Pp. 323-325. In: *Anwaruddin Choudhury (Editor), Natural History of North East India Series, Vol. 1: Mammals*. Rashmi Prakashan, Guwahati, India. ISBN: 978-81-927066-5-8.

PRESENTATIONS (Papers / Abstracts in Seminar / Conferences / etc):

1. Saikia R, Dutta A, **Mazumder MK**, Borah A. Presented a paper entitled “**Evidence of Nephroprotective as well as neuroprotective effect of *Garcinia pedunculata* Roxb. Ex Buch.-ham extracts in chronic kidney disease mouse model**” at the International Conference on ‘Recent Advances in Science, Engineering and Technology (ICRASET)’, Organized by International Institution for Science Technology Engineering and Management, Hosur, Tamil Nadu, India, held on 25th August, 2020.
2. **Mazumder MK**, Borah A. Presented a paper entitled “*Anti-Parkinsonian potential of Garcinol, a chalcone of Garcinia sp., through inhibition of Dopamine Catabolism: An in silico study*” at

the UGC-sponsored National Seminar on “**Natural Resources for Drug Discovery and Development**”, Organized by Department of Pharmaceutical Sciences, Dibrugarh University, Assam, India. 24th & 25th February, 2018.

3. **Mazumder MK**, Borah A. Presented a paper entitled “*Ameliorative effect of Garcinia pedunculata fruit extract on adenine-induced chronic kidney disease in mice*” at the UGC-Sponsored national Seminar on “**Bio-resource Utilization: Special Emphasis on Ethnic Populations of North East India**”, organized by Gurucharan College, Silchar, Assam, India. 30th October, & 1st November, 2018.
4. **Mazumder MK**. Presented a paper entitled “*Primates of Southern Assam: Diversity & Conservation Concerns*” at the UGC-Sponsored national Seminar on “**Bio-resource Utilization: Special Emphasis on Ethnic Populations of North East India**”, organized by Gurucharan College, Silchar, Assam, India. 30th October, & 1st November, 2018.
5. **Mazumder MK**, Choudhury IB, Chakravarty H. Presented a paper entitled “*The endangered Ganges river dolphin in the Barak river system of Assam, India*” at the UGC-sponsored National Seminar on “**Biodiversity and Wildlife Conservation Biology**”, organized by Department of Zoology, Digboi College, Assam, India. 24th & 25th February, 2018.
6. **Mazumder MK**, Borah A. Presented a paper entitled “*Diminished brain acetylcholinesterase activity leads to cognitive impairment in chronic kidney disease: a study in mice model*” at the **34th Annual meeting of Indian Academy of Neurosciences**, held at National Brain Research Centre (NBRC), Manesar, Gurgaon, from 19th – 21st October, 2016.
7. Choudhury S, Choudhury A, **Mazumder MK**, Paul R, Borah A. Co-authored a paper entitled “*L-DOPA potentiates psycho-motor behavioural abnormalities in mice model of hepatic encephalopathy*” presented at the **34th Annual meeting of Indian Academy of Neurosciences**, held at National Brain Research Centre (NBRC), Manesar, Gurgaon, from 19th – 21st October, 2016.
8. Paul R, Choudhury A, Choudhury S, **Mazumder MK**, Bhattacharjee N, Borah A. Co-authored a paper entitled “*High cholesterol diet causes altered brain biogenic amine neurotransmitters and display psycho-motor behavioural abnormalities in mice*” presented at the **IBRO-APRC School of Neuroscience – Molecular Advancements in Neurobiology**; September 5-20; 2015.

FACULTY DEVELOPMENT PROGRAMS ATTENDED

- 1) Attended the UGC-sponsored 31st Orientation Programme (Online) conducted by the UGC’s Human Resource Development Centre, Mizoram University, Aizwal from 16th February to 8th March, 2021.
- 2) Attended Two Weeks Online Faculty Development Programme on ‘**QUANTATIVE METHODS FOR DATA ANALYSIS**’ from August 12 to August 25, 2020, organized by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), Teaching Learning Centre, Ramanujan College, (University of Delhi).
- 3) Attended One Week Online Faculty Development Programme on ‘**ASPECTS OF PEDAGOGICAL RE-DESIGN AND ONLINE TEACHING – LEARNING PROCESS**’ from July 15 to July 21, 2020, organized by IQAC, Dhemaji College, Dhemaji, Assam in association with IQAC, Dibrugarh University, Dibrugarh, Assam.

WEBINAR ORGANIZED

Organized a One-day National webinar on ‘**Defying Evolution: Causes and Consequences**’ as Assistant Coordinator on August 6, 2020, on behalf of the Department of Zoology, Dhemaji College, Dhemaji, in association with IQAC, Dhemaji College, Dhemaji, Assam.

NATIONAL AWARDS

- 1) Awarded **Research Associateship – I** of Council of Scientific and Industrial Research (CSIR), Govt. of India, in the sponsored research project entitled “*Biochemical and molecular analysis on the role of nutrient management on Arsenic (As) stress mitigation and tolerance in North East Indian rice (Oryza sativa L.) cultivars*”, under supervision of Dr. Shuvasish Choudhury, Assistant Professor, Central Instrumentation Laboratory, Assam University, Silchar, India.
- 2) Awarded **Maulana Azad National Senior Research Fellowship** by the University Grants Commission, Govt. of India, New Delhi.
- 3) Awarded **Maulana Azad National Junior Research Fellowship** by the University Grants Commission, Govt. of India, New Delhi, for the session 2012-13. Notification No. F1-17.1/2012-13/MANF-2012-13-MUS-ASS-11201 / (SA-III/website) dated 28.02.2013.
- 4) Qualified **CSIR-UGC NET - Junior Research Fellowship** in December, 2010 with All India Rank of 0221. Awarded UGC-JRF by University Grants Commission, Govt. of India, New Delhi. Notification No. F.17-3/08(SA-I) dated 21.11.2012.
- 5) Awarded “**POST-GRADUATE MERIT SCHOLARSHIP FOR UNIVERSITY RANK HOLDERS (2009-2011)**” by University Grants Commission, Govt. of India, New Delhi. Notification No. F.5-2/2010(SR-III) dated 31.03.2010.
- 6) Awarded ‘**Studentship**’ by the Bioinformatics Centre, Assam University, Silchar under **Department of Biotechnology (Govt. of India)** – Bioinformatics Infrastructure Facility scheme for the period of September, 2009 to February, 2010.

KEY ACADEMIC ACHIEVEMENTS

1. Placed as the **First Class First** in Graduation (B.Sc. Honours) in Zoology from Assam University, Silchar in the session 2008-2009.
2. Placed **First Class Second** in M.Sc. Life Science (Zoology) from the Department of Life Science & Bioinformatics, Assam University, Silchar in the 2010-2011 session.

TRAINING / SEMINAR / WORKSHOP ATTENDED

1. Attended National Webinar on ‘**Current Scenario of Locusts and their Management**’ organized by Department of Zoology, Jai Narain Vyas University, Jodhpur, Rajasthan, India, on July 19, 2020.
2. Attended One-hour webinar on ‘**COVID-19 Cataclysm: From infection to Drug development**’ organized by Sipajhar College, Assam, India, on May 27, 2020.
3. Training program on “**Management of Floodplain Wetlands**” organized by Central Inland Fisheries Research Institute (Under ICAR), NE Regional Centre, Guwahati, 3-9 January, 2008.

4. Training program on **“Bioinformatics and its applications in Drug Designing”** organized by Bioinformatics Centre (DBT-BIF), Assam University, Silchar from 14th to 20th September, 2009; sponsored by Department of Biotechnology, Govt. of India.
5. Training program on **“Statistics in Drug Discovery Researches”** organized by Bioinformatics Centre, Assam University, Silchar from 8th to 9th October, 2010.
6. Participated in the **“International Conference on Recent Trends in Medicinal and Aromatic Plant Researches”**, organized by Department of Life Science & Bioinformatics, Assam University, Silchar; in collaboration with Bioinformatics Center, Assam University, Silchar, from 1-5th December, 2010.
7. Training Program on **“Bioinformatics and Biological Sequence Analysis”** organized by Bioinformatics Centre, Assam University, Silchar from 22nd to 23rd July, 2011.
8. Participated in the Seminar-cum-Workshop on **“Techniques in Bioinformatics”**, organized by Tripura State Council for Science and Technology in Collaboration with Bioinformatics Centre, Tripura University, Tripura, from 3rd to 4th November, 2011.
9. Participated in the 5-Day Workshop on **“Data Analysis in SPSS”** organized by Department of Statistics, Assam University, Silchar, from 25th February to 1st March, 2019.

PERSONAL DETAILS

Name	:	Dr MUHAMMED KHAIRUJJAMAN MAZUMDER.
Father's Name	:	Abdur Rahim Mazumder.
Mother's Name	:	Badrun Nehar Laskar.
Spouse's name	:	Imrana Begam Choudhury.
Birth Date	:	03-05-1987.
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OTHER ACHIEVEMENTS

- Designed Bioinformatics software **“BioAnalytica”** related to Biological Sequence Analysis during the project work in the course P.G. Diploma in Bioinformatics during 2009-2010 session.