

BIODATA

E-mail: nitudebnath1234@yahoo.co.in

Phone Number: 03842-261622(R)

94355-13622 (M).



Name: DR NITU DEBNATH
Father's Name: Late Nishikanta Debnath

Educational qualification:

Exam. Passed	College/ Institute	Board/ University	Year of Passing	Division/ Class	Percentage of Marks Obtained.
H.S.L.C.	Govt. H. S. School, Karimganj	S.E.B.A. Guwahati.	1996	I	74.66
H.S.S.L.C.	Karimganj College.	A.H.S.E.C. Guwahati	1998	II	58.4
B.Sc. (Zoology Major)	Karimganj College	Assam University, Silchar	2001	I	69.12
M.Sc. (Zoology, Animal Physiology & Biochemistry)	Department of Zoology	Gauhati University, Guwahati.	2003	I	74.75 (1 st position)
SLET		SLET Comission, Assam(N. E. Region)	2005		
Ph.D. (Zoology)	Department of Zoology	Gauhati University, Guwahati.	2014		
PGDBI (Post Graduate Diploma in Bioinformatics)	Bioinformatics Centre, Dept. of Life Science	Assam University, Silchar	2016	I	79.8 (1 st position)
PGDHE (Post Graduate Diploma in Higher Education)	Indira Gandhi National Open University (IGNOU)	Regional Centre, Guwahati	2020		

Academic Achievement: 1. Secured 1st Class 1st Position in both M.Sc.
2. Secured 1st Class 1st Position in both PGDBI.

Other Achievements:

1. Awarded the **Chicago Centenary Scholarship** for the year 1995-1996.
2. Awarded late Prof. K.N. Sarma memorial **Gold Medal** for securing 1st class 1st position in M.Sc.

Additional qualifications: Diploma in Computer Application (DCA).

Area of Research: Reproductive Endocrinology, Toxicology, Environmental Estrogens and Phytoestrogens.

Teaching Experience:

1. **UG: i)** 02 years 04 months (Temporary, FIP vacancy, Birjhora Mahavidyalaya, Bongaigaon)
ii) 12 years 05 months (05-01-2009 to 30-05-2019) (Permanent, Cachar College, Silchar)
2. **PG:** 01 year (Temporary, PG Deptt. of Zoology, Bajali College, Pathsala, Barpeta, Assam)

Previous Employments:

Sl No.	Designation	Name of the Employer	Period	Reason for leaving
1	Lecturer (Part time) Deptt. of Zoology	Dr. Karuna Kanta Patgiri, Principal, Bajali College, Pathsala, Barpeta, Assam	17/01/2005 to 31/08/2005	Got Opportunity to join post of lecturer against FIP vacancy
2	Lecturer Deptt. of Zoology (Substitute Teacher against Lien/FIP vacancy)	Dr. Mrigen Das, Principal, Birjhora Mahavidyalaya, Bongaigaon	01/09/2005 to 31/12/2006	Original Incumbent Rejoined after enjoying FIP Fellowship
3	Lecturer (Part time) Deptt. of Zoology	Principal, Guwahati College, Guwahati	05-08-08 to 14-11-08	Project Work at Guwahati University
4	Project Fellow (UGC Major Research Project)	Registrar, Gauhati University, Guwahati	02/07/2007 to 04/01/2009	Got opportunity to join as Lecturer against permanent post
5	Assistant Professor, Deptt. of Zoology	Principal, Cachar College, Silchar	05-01-09 till date	

Other Responsibilities and Membership

1. Membership in BUGs, Zoology, Assam University, Silchar
2. Membership in BUGs, Industrial Fish & Fisheries, Assam University, Silchar
3. Member of the Board of Moderation for Zoology, Assam University, Silchar
4. Curriculum Design and Development for Industrial Fish & Fisheries for CBCS, Assam University, Silchar as Member of BUGs, IFF.
5. Zoological Society of Assam (ZSA)

Participation in various academic activities as members of committee at university level, state level, National Level, International Level bodies:

1. Attended meeting of Board of Undergraduate Studies, Assam University, Silchar in connection with structuring & Finalization of UG Syllabus of Zoology & Industrial Fish & Fisheries, August, 2019.
2. Contributed e-content (Voice recorded PPT to you tube) as member of Zoological Society of Assam (ZSA) as a special initiative taken due to COVID-19 Pandemic, May 2020.

Other Experience:

1. Acted as Coordinator, UGC Sponsored Community College established at Cachar College, Silchar from 01/04/2014 to 31/03/2015.
2. Acting as Nodal Officer, UGC Sponsored Community College established at Cachar College, Silchar from 01/04/2015 to till date.
3. Acting as Assistant Coordinator, Institutional Level Biotech Hub established at Cachar College, Silchar from 2014.
4. Acted as Assistant Officer in charge (AOC) in Odd and Even Semester & HS Final Examinations.
5. Acted as Assistant Zonal Officer (AZO) in the Odd semester Final Evaluation Zone under Assam University, Silchar.
6. Acting as the Joint Coordinator of IQAC, Cachar College, Silchar from 25th Oct., 2019 till date.

Research Experience:

1. Served as Project Fellow under UGC sponsored Major Research Project entitled "Studies on synergistic activity of phytoestrogens in albino mice". Project Supervisor: Dr. Jogen Chandra Kalita, Prof., Deptt. of Zoology, Gauhati University, Guwahati-14. (01/07/2007 to 03/01/2009)
2. Completed UGC sponsored Minor Research Project entitled "Studies on the estrogenic activities of phytoestrogens in albino mice" as Principal Investigator (2012-2014).

3. Project Proposal entitled “Dietary Phytoestrogen profiling and Assessment of synergistic estrogenic activities of green leafy vegetables and legumes of Barak Valley, Assam” under DST SERB-TARE (Project Scheme in April 2019) approved for 3 years 01/22/2019 to 30/10/22 as Principal Investigator.
4. Guiding TDC final year students in their Projects as part of the TDC Zoology Honours Syllabus under Assam University, Silchar from 2017 onwards. (Total 17 student projects till now)

Participation in professional Courses:

Sl No.	Name of the Course	Institution	Duration	No. of Days
1	UGC sponsored Orientation Programme	Academic Staff College (ASC) Gauhati University, Guwahati	24/01/2011 to 20/02/2011	28
2	UGC sponsored Refresher Course	Academic Staff College (ASC) University of North Bengal, Siliguri	14/09/2012 to 04/10/2012	21
3	UGC sponsored Refresher Course	UGC Human Resource Development Centre (HRDC), University of Burdwan, Burdwan, WB	11/01/2017 to 31/01/2017	21
4	UGC-STRIDE Refresher Course	Mizoram University, Aizawl, Mizoram	19/08/2020 to 01/09/2020	14

Research Training/Workshop Programme attended:

1. Hands on training programme on Molecular Biology held on 30th Sept. to 3rd Oct., 2008 at Rajib Gandhi University, Arunachal Pradesh. Developed the skill of SDS-PAGE, Immunohistochemistry and Western Blotting.
2. National Workshop on DNA Barcode of life organized by Department of Biotechnology, Assam University, Silchar on April 07, 2009
3. Workshop on Current trends of Wildlife Researches in N.E. India (To commemorate Bi-centenary of Charles Robert Darwin) organized by Deptt. Of Ecology & Environmental Science, Assam University, Silchar in collaboration with Aaranyak, Guwahati held on 4th Sept., 2009.
4. National Workshop on Recent Advances in Bioinformatics organized by Bioinformatics Centre, Gurucharan College, Silchar on 4th & 5th Oct., 2010.
5. Training on Bioinformatics Tools & Techniques for gene and protein analysis organized by Bioinformatics Centre, Gauhati University, Guwahati sponsored by DBT, Govt. of India held from 22nd-30th Nov., 2010
6. National Workshop & Hands-on Training on Basic Tools in Molecular Biology and Genomics, organized by Department of Biotechnology, Assam University, Silchar sponsored by DBT, Govt. of India held on 7th-16th Dec., 2010.
7. Training Programme on Fisheries management of Floodplain Wetlands organized by CIFRI Barrackpore during Jan 17-23, 2012 at CIFRI Regional Centre, Housefed Complex, Dispur, Guwahati.
8. National Workshop & Hands-on Training Course on Molecular Biology and Bioinformatics Tools on DNA Barcoding & Genomic Diversity of Bioresources organized by Department of Biotechnology, Assam University, Silchar sponsored by DBT, Govt. of India held on 27-31st Jan., 2012.
9. 5 days Hands-on Training on Use of Flow Cytometer, PCR and Real time PCR in Cancer Detection organized by Department of Biotechnology, Assam University, Silchar and Cachar Cancer Hospital & Research Centre, Silchar during 5th-9th Feb., 2012.
10. North East Winter School on Human Genetics: Techniques and Statistical Analysis organized by Indian Statistical Institute (ISI), Kolkata and Assam University, Silchar during 10-14 Nov., 2014.
11. Training Programme on Principle and practices in Fisheries and Aquaculture organized by ICAR-CIFRI Regional Centre, Housefed Complex, Dispur, Guwahati during 15-21 Dec., 2014.
12. Workshop on Computer aided drug designing: Basics to Molecular dynamics Simulation sponsored by DBT, Govt. of India organized by Bioinformatics Centre, Assam University, Silchar during 12-18th Sept., 2015.

13. Workshop on Molecular dynamics Simulation in Drug Designing sponsored by DBT, Govt. of India organized by Bioinformatics Centre (DBT-BIF), Assam University, Silchar during 18-22nd Oct., 2016.
14. Job Training Programme on Industrial Fish & Fisheries, 2017 (JTPIFF,2017) organised by Department of Zoology and Centre for Industrial Fish and Fisheries, Cachar College, Silchar in Collaboration with ICAR Central Inland Fisheries Research Institute (CIFRI), Guwahati and College of Fisheries, Central Agricultural University, Lembuchera, Tripura during 3rd-8th March, 2017.
15. A seven days Workshop on "Prospecting Traditional Herbal Therapy to Modern Drug Discovery" organized by Institutional Biotech Hub (IBH-GU), Department of Biotechnology, Gauhati University in Association with Guwahati Biotech Park, (IITG) during 22nd-28th May, 2017.
16. Training Programme on "Capacity Building of Teachers, Researchers and Biomedical Practitioners of North-Eastern Region on Advanced Techniques in Molecular Biology and Microbiology" organized by Department of Animal Biotechnology, College of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati, sponsored by Department of Development of North Eastern Region, Govt. of India during 30th May -8th June, 2017.
17. Short Term Training Programme on Analytical Instruments and Their Applications (GCMS & HPLC) held at Central Analytical Instrumentation Facility (CAIF), Guwahati Biotech Park Incubation Centre, IIT Guwahati during 9-10th Nov., 2017.
18. Research Training Workshop on "Understanding Human Diseases and Improving Human Health using Genomic Driven Approaches" co-organized by National Institute of Biomedical Genomics (NIBMG), Kalyani and Mizoram University, Aizawl during 19-24th Nov., 2017.
19. Job Training Programme on Industrial Fish & Fisheries, 2017 (JTPIFF,2017) organised by Department of Zoology and Centre for Industrial Fish and Fisheries, Cachar College, Silchar in Collaboration with ICAR Central Inland Fisheries Research Institute (CIFRI), Guwahati and College of Fisheries, Central Agricultural University, Lembuchera, Tripura District Fishery Development Office and Institutional Level Biotech Hub, Cachar College, Silchar during 25th-28th March, 2018.
20. 5 Days Workshop on "Molecular Dynamics Simulation in Drug Designing" organized by Bioinformatics Centre (DBT-BIF), Assam University, Silchar during 28th March to 1st April, 2018.
21. Extended Contact Programme of Post Graduate Diploma in Higher Education (PGDHE) for 2018 session organized by IGNOU Regional Centre, Guwahati from 11-20th May, 2018.
22. 20th Indo-US Workshop on Flow Cytometry and Symposium on Advanced Molecular Techniques held at Dr. S. Krishnamurthi Centre for Research & Education in Cancer, Cachar Cancer Hospital & Research Centre, Silchar during 24th-27th March, 2019. (Awarded 6 MCI Credit hours).
23. One week Faculty Development Programme on "Use of ICT Tools for Classroom Teaching" organized by Electronics & ICT Academy, IIT, Guwahati in Association with Radhamadhab College, Silchar and supports from Mantra Associates, Guwahati from 5-10th Aug, 2019.
24. 5 day Webinar on "COVID-19 and Fisheries: Potential Impact. Mitigation and Management" organized by College of Fisheries, Lembucherra, Tripura, during 15-19 June, 2020.
25. 3 days International Virtual Workshop on "COVID-19:RTPCR Diagnosis and Therapeutics" organized by University of Kalyani, & JNM Hospital, Kalyani, West Bengal during 5-7 Aug., 2020.
26. One-Week Online Faculty Development Programme on "Imparting Online Teaching Learning Methodology during COVID-19 Pandemic" organized by E&ICT Academy IIT Guwahati in association with S. S. College, Hailakandi, Assam and support from SkillGym held from 07 to 14 September, 2020.

Seminar/Symposium participated:

1. National Seminar on "Zoology for Human Welfare" organized by Zoological Society of Assam on 2nd February, 2006 at Guwahati University.
2. UGC sponsored Seminar on "Quantum revolution and Afterwards" organized by Deptt. of Physics and Chemistry, Birjhora Mahavidyalaya, Bongaigaon on 21st January, 2006
3. Seminar on "Molecular Biology of Genetic Diseases" organized by Deptt. of Zoology, Gauhati University on 20th February, 2006.
4. National Seminar cum Awareness Programme on "Atomic Energy-Improving the Quality of Life in India" organized by Deptt. of Veterinary Physiology, Faculty of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati during February 21-22, 2006.
5. National Seminar on "Challenging Frontiers in Applied Zoology" organized by Zoological Society of Assam and Deptt. of Zoology on 25-26th August, 2006 at Rangia College.

6. First Indian National Seminar on “Plants in Diabetes: Prospects and Challenges” organized jointly by Asian Network of Research on Antidiabetic Plants(ANRAP), Dhaka, Bangladesh and North-East Institute of Science and Technology(NEIST), Jorhat, Assam on 13-14 Nov. 2007.
7. National Symposium on “Comparative Endocrinology and Reproductive Physiology: Insights and Challenges” organized by Deptt. of Zoology(Centre of Advanced Study), Visva-Bharati, Santiniketan on 26-28 Nov. 2007.
8. National Advocacy Seminar on “Elimination of Lymphatic Filariasis with Mass Drug Administration” organized by Deptt. of Zoology, Gauhati University under the aegis of National Vector Borne Disease Control Programme(Director of Health Services) Assam, Guwahati on 10th Nov, 2008.
9. Seminar on Contemporary areas of Physical & Life Sciences organized by IQAC, Karimganj College in association with Centre for Advanced Research and Education, Saha Institute of Nuclear Physics, Kolkata held on Nov. 26-27, 2009.
10. International Conference on Recent trends in Medicinal and Aromatic Plant Researches (RTMAPR) organized by Deptt. Of Life Sciences and Bioinformatics and Bioinformatics Centre, Assam University, Silchar held on 1-5, Dec., 2010.
11. International Seminar on Bioresources and Human Sustenance organized by Department of Zoology, Cotton College, Guwahati and Zoological Society of Assam held on 20-22nd Oct., 2011
12. 57th Annual Technical Session of Assam Science Society, organized by Gauhati University, Guwahati on 16th March, 2012.
13. Sensitization workshop for Development of location specific R & D demonstrative Projects for SC/ST dominated locations organized by CDC, Gauhati University, Guwahati & Assam Science Technology and Environmental Council (ASTECC) on 17th Aug., 2012.
14. Indian National Science Academy, Kolkata Chapter (INSA-AUS) lecture series (Year of Science) on Science for shaping the future of India in collaboration with Department of Biotechnology, Assam University, Silchar on 10th Dec., 2012
15. UGC sponsored National Seminar on Advances in Research in Physical Sciences organized by Cachar College, Silchar in collaboration with ACTA on 25& 26th March, 2013
16. UGC sponsored National Seminar on Accountability of College Teachers: Their role responsibilities and Professional ethics towards the society organized by Department of Education, Paschim Guwahati Mahavidyalaya, Dharapur in collaboration with Aom Shikshak Prashikshan Mahavidyalaya during 16-17 Oct., 2014
17. National Mission for manuscripts sponsored Tattvabodha Lecture on Relevance of Manuscript studies in the 21st century perspective with special reference to North East India organized by Radhamadhab college, Silchar held on 12th Feb., 2015
18. Joint Launching Programme of the Portal of “SHREYAS” scheme for Higher Education Youth for Apprenticeship and Skills” at The Stein Auditorium, India Habitat Centre, Lodhi Road, New Delhi on 27th Feb., 2019
19. Midterm CME of ISAR jointly organized by NE ISAR and FOGSI, Silchar at Silchar Medical College and Hospital on 27-28th April, 2019.

Webinar participated:

1. Webinar on “Time for Nature-Appreciate and protect Biodiversity” organized by Department of Zoology, Biswanath College on 5th June, 2020.
2. Webinar on “Biodiversity conservation in NE with special reference to Endangered species conservation” organized by Department of Zoology, Pragjyotish College, Guwahati on 5th June, 2020.
3. Two day National Webinar on “Reshaping Academic Calender during COVID-19: Challenges and Opportunities for the students of class-X to XII” organized by Bharatiya Shikshan Mandal-Dakshin Assam Prant, Anushandhan Prakosth during 6-7 June, 2020.
4. National Webinar on “Environment concerns: Problems and Prospective solutions” organized by IQAC, Barnagar College in association with Assam Science Society, Barnagar College Branch during 29-30 June, 2020.
5. National Webinar on “Importance of Yoga in Present day” organized by Department of Philosophy, Cachar College, Silchar in collaboration with Indian Council of Philosophical Research (ICPR), New Delhi during 1-2 July, 2020.

6. National Webinar on Role of Medicinal Plants in Daily Life organized by Udbhab Social Welfare Society, Bareilly (U.P.) and National Medicinal Plant Board, Ministry of Ayush, Govt. of India on 19th July, 2020.
7. International Webinar on “COVID-19 in Perspective” organized by Department of Zoology, DKD College, Dergaon, Assam in association with Zoological Society of Assam (ZSA) on 1st August, 2020.
8. National Webinar on “Pedagogy for 21st Century Teaching and Research (PCTR 2020) organized by IQAC, Assam Don Bosco University, on 10th August, 2020.
9. National Webinar on SARS-COV-2: Complexities in the Viral Genome and Prospects of its Control” organized by Institutional Biotech Hub and IQAC, DKD College, Dergaon, Assam on 14th August, 2020.
10. International Webinar on “Insight from Transdisciplinary approaches for responding to COVID-19 impact in aquatic-social-ecological systems” organized by Department of Zoology (ZSA Unit), J.N. College, Boko in association with ZSA on 15th August, 2020.
11. International Webinar on “Introduction to Omics and Human Genome Project” organized by Department of Zoology in collaboration with Alumni Association of Dept of Zoology and IQAC, Digboi College, Digboi, Assam on 16th August, 2020.
12. National Webinar On “ Areca Nut induces genomic changes that lead to carcinogenesis: Cytogenetic to Molecular Genetic Studies”organized by Department of Zoology and IQAC, Nowgong College, Nagaon, Assam, on 18th August, 2020.
13. International Webinar on “ Turtle species conservation with special reference to Indian Softshell (*Nilssonina gangetica*) and the Peacock Softshell (*Nilssonina hurum*) as indicator species organized by Alumni Association of Department of Zoology, Guwahati College, and Zoological Society of Assam in collaboration with Aaranyak and Assam Don Bosco University on 29th August, 2020.
14. National Webinar on “Zoonosis and Human Health” organized by ZSA unit of ADP College, Nagaon and Zoological Society of Assam on 30th August, 2020.
15. Webinar on “Demystifying Lizard Taxonomy” organized by Department of Zoology and Eco Club, Assam Don Bosco University, Guwahati on 5th September, 2020.
16. National Webinar on “Transforming Indian Higher Education: A journey from NPE, 1986 to NPE, 2020” organised by ZSA unit of Bahona College and Majuli College and Zoological Society of Assam (ZSA) on 6th September, 2020.
17. National Webinar on Relevance and Scope of Animal Taxonomy in the Indian context” organized by Department of Zoology, Sipajhar College and Zoological Society of Assam on 19th September, 2020.
18. National Webinar on “The weed Macaques of India: Uniquely adaptable, but ultimately threatened” organized by Department of Zoology, DCB Girls College, Jorhat and Zoological Society of Assam (ZSA) on 24th September, 2020.

Paper Presentations in Seminar/Conference/Symposium:

1. National Zoology Congress & Seminar on “Biodiversity & Human Welfare” organized by Deptt. Of Zoology, Gauhati University, Guwahati & Zoological Society of India from 29th to 31st Dec., 2008
Presented Paper: Combinatory effects of Genistein and Estradiol in albino mice
2. 55th Annual Technical Session of Assam Science Society, organized by Gauhati University, Guwahati held on Feb 15, 2010.
Presented Paper: Determination of estrogenic activity of genistein and coumestrol using yeast estrogen assay
3. International Conference on Climate change, Forest Resource and Environment (ICCFRE-2011) organized by Department of Environmental Science, University of Kerala, Tiruvananthapuram in collaboration with national Environmentalists Association, Rachi during 9-11 Dec., 2011
Presented Paper: Assessment of synergistic activity of Genistein and Coumestrol
4. UGC sponsored National Seminar on Post liberalization Scenario of Industrial Development in North East India: Issues and challenges organized by Deptt. of Commerce, Paschim Guwahati Mahavidyalaya, Dharapur in collaboration with Girijananda Choudhury Institute of Management & Technology, Azara on 21-22nd Oct., 2014
Presented Paper: Occupational Health among refinery workers: A case study in Digboi Refinery, Assam, India.

5. National Conference on Harmony with nature in context of Environmental Issues and challenges of 21st century (HARMONY-2014) organized by Department of Environmental Science, Faculty of Earth Sciences, Mohan Lal Sukhadia University, Udaipur, Rajasthan during 28-30 Nov., 2014.
Presented Paper: Uterotrophic responses and modulation of uterine gene expression induced by combinations of Genistein and Coumestrol in ovariectomized mice
6. National Seminar on Integrated Approach in Zoological Research & Biennial Conference of Zoological Society of Assam organized by Department of Zoology, Gauhati University, Assam in Association with Zoological Society of Assam during 30-31st March, 2017:
Presented Paper: “*In silico* screening of some dietary phytoestrogens for estrogenicity and prediction of their potential as lead molecules for human estrogen receptors”.
7. UGC sponsored National Seminar on Bio-resource utilization: Special emphasis on ethnic population of North East India organized by Department of Botany, Gurucharan College, Silchar in collaboration with ‘The Greens’ during 30th Oct. -1st Nov., 2017
Presented Paper: “Evaluation of *in silico* and *in vivo* estrogenicity of Genistein and Coumestrol and predicting their potential as lead molecules against estrogen receptors”
8. National Conference on Contemporary Research in Computer Aided Drug Designing (CRCADD) Celebrating 10 Glorious Years of Bioinformatics Centre, Assam University, Silchar held during 10 & 11th March, 2018.
Paper presented: “*In silico* screening of some dietary phytoestrogens for estrogenicity and prediction of their potential as lead molecules against human estrogen receptors.”

Acted as Resource Person/Invited Speaker/Rapporteur

1. Acted as Rapporteur in a Technical Session in National Zoology Congress & Seminar on “Biodiversity & Human Welfare” organized by Deptt. Of Zoology, Gauhati University, Guwahati & Zoological Society of India held during 29th to 31st Dec., 2008.
2. Acted as Resource Person (Jury Member of Science Project Presentation) in Regional Children Science Congress Kendriya Vidyalaya, ONGC, Srikona, Assam during 4th & 5th Nov., 2011
3. Acted as Rapporteur in a Technical Session National Conference on Contemporary Research in Computer Aided Drug Designing (CRCADD) Celebrating 10 Glorious Years of Bioinformatics Centre, Assam University, Silchar held during 10 & 11th March, 2018.
4. Acted as Resource Person (Jury Member of Science Project Presentation) in 26th Regional Level National Children Science Congress Kendriya Vidyalaya, Silchar, Assam on the focal theme of ‘Science Technology and Innovation for Clean, Green and Healthy Nation’ on 26th Oct., 2018.
5. Delivered lectures on
 - i) Introduction of Molecular Biology (DNA, RNA and Protein)
 - ii) Introduction to Biotechnology
 - iii) Introduction to Basic instrumentation related to Biotechnology
 - iv) Fundamental principles of Isolation of DNA
 - v) Fundamentals of PCR
 - during during 3 day Workshop on “Basic tools and Techniques in Molecular Biology and Biotechnology” at Institutional Level Biotech Hub, Cachar College Silchar, 20-22 Jan., 2019.
6. Delivered lecture demonstration on “Basic instruments used in Molecular Biology and Microbiology” during during 5 days Workshop on “Hands on Training on Techniques used for Isolation and Identification of bacteria” at Institutional Level Biotech Hub, Cachar College Silchar, 4-8 Feb., 2019.
7. Delivered lecture demonstration on “Basics of Biotechnology and Molecular Biology” during during 5 days Workshop on “Hands on Training on Techniques used for Bacterial DNA Isolation and Gel electrophoresis of the isolated DNA for analysis” at Institutional Level Biotech Hub, Cachar College Silchar, 11-15 Mar., 2019.

Publications: Journals:

1. **Nitu.Debnath**, K. Mishra, A. Haque & J.C. Kalita (2010). Determination of estrogenic activity of Genistein and Coumestrol based on Yeast Estrogen Assay. *Journal of Assam Science Society*, 51(1): 98-103. (ISSN: 0587-1921)

2. A. Haque, J.C. Kalita, **Nitu Debnath** & S.I. Borah (2010). Prevalance of spermatorrhoea in human population: A case study in the area of Nagaon Paper Mill, Assam, India. *Journal of Assam Science Society*, 51(1): 78-88. (ISSN: 0587-1921)
3. **Nitu Debnath**, Jogen Chandra Kalita (2011). Assessment of Synergistic activity of Genistein and Coumestrol. *The Ecoscan* (An International Quarterly journal of Life Sciences Published by National Environmentalists Association, NEA). 1(Special Issue): 201-208 (ISSN: 0974-0376)
4. **Nitu Debnath**, Jogen Chandra Kalita, Sankar Kumar Ghosh & Bishal Dhar (2015). Uterotrophic responses and modulation of uterine gene expression induced by combinations of Genistein and Coumestrol in ovariectomized mice. *The Bioscan* (An International Quarterly journal of Life Sciences Published by National Environmentalists Association, NEA). 10(2): 553-561 (ISSN: 0973-7049)
5. **Nitu Debnath**, Monjur Ahmed Laskar and Anupam Das Talukdar (2016). Studies on *in silico* estrogenicity and prediction of drug ability of Genistein and Coumestrol with respect to human estrogen receptors. *International Research Journal of Pharmaceutical and Biosciences (IRJPB)*. 3(5): 28-50 (Pri –ISSN: 2394 – 5826; e-ISSN: 2394 – 5834)
6. Joyobrato Nath, Rajib Paul, Sankar, Kumar Ghosh, Jaishree Paul, Baby Singha, **Nitu Debnath** (2020). Drug repurposing and relabeling for cancer therapy: Emerging benzimidazole antihelminthics with potent anticancer effects. *Life Sciences –Molecular Cellular & Functional Basis of Therapy* (Elsevier). Vol: 258 (ISSN: 0024-3205; IF:3.647; Cite Score: 5.0; Article No.: 118189)

Publications: Book/Book Chapters:

1. A. Haque, J.C.Kalita, **Nitu Debnath** & S.I. Borah (2010). Epidemiological Studies on the status of reproductive health of women in and around Jagiroad Paper Mill (HPCL), Jagiroad, Assam. *Biodiversity & Human Welfare*. Narendra Publishing House, Delhi-6, India. Vol 1: 425-434. (ISBN: 978-81-908517-0-1).
2. **Nitu Debnath** & Joyobrato Nath (2017). Fish Morphology and Physiology. *A Textbook of Fish and Fisheries (From Basic Ichthyology to Aquaculture Biotechnology)*. Pp. 19-76 Ed: 1st. Invincible Publishers. (ISBN: 978-93-86148-61-2 Editors: Dr. Baby Singha & Dr. Anup Dey)
3. **Nitu Debnath** (2018). Dietary Phytoestrogens & Human Health: A Recent Scientific Perspective. *Social Ruminations on Health A critical Spectrum*. Pages:101-120 Edition-1st . Renu Publishers, New Delhi (ISBN: 978-93-85502-47-7).
4. Joyobrato Nath & **Nitu Debnath** (2018). Fish Biomarker: An Appealing Tool for Assessment of Heavy Metal Contamination in the Aquatic Ecosystem. *Metallic Contamination and its Toxicity* (Authors: Ashutosh Gautam & Chakresh Pathak). Pages: 99-112. Daya Publishing House (Astral), Edition: First (ISBN: 9789351248880)
5. **Nitu Debnath** (2021). Toxicological Research and its Relevance to Fisheries and Aquaculture in Northeast India. *Fisheries and aquaculture in North east India: R & D Trends and Opprtunities*. P. 343-367. Narendra Publishing House, New Delhi. (ISBN: 978-9390309-13-9)

Academic Contribution towards e-content development:

1. Contributed an audio lecture PPT on “Generation & Propagation of Nerve Action Potential” in You Tube Channel of Zoological Society of Assam (ZSA) on 9th June, 2020.
2. Contributed study materials in TCS ion Digital Learning Platform of Cachar College, Silchar during March-July, 2020.

Organizer of Workshop & Training Programme/Teacher in charge in Academic Field Work/Excursion

1. Training Programme on Fisheries management of Floodplain Wetlands organized by CIFRI Barrackpore during Jan 17-23, 2012 at CIFRI Regional Centre, Housefed Complex, Dispur, Guwahati organized by Department of Zoology and Centre for Industrial Fish & Fisheries, Cachar College, Silchar
2. Academic Field work at Wards Lake, Shillong (Meghalaya), Assam State Zoo-cum-Botanical Garden & Regional Science Centre Complex, Guwahati, Assam on 22nd-24th Jan, 2012 organized by Department of Zoology, Cachar College, Silchar.

3. Academic Field work organized by Department of Zoology and Centre for Industrial Fish & Fisheries, Cachar College, Silchar at Chatla Haor-a wetland in Cachar District of Assam on 25th March, 2014
4. Training Programme on Principle and practices in Fisheries and Aquaculture at ICAR-CIFRI Regional Centre, Housefed Complex, Dispur, Guwahati organized by Department of Zoology and Centre for Industrial Fish & Fisheries, Cachar College, Silchar during 15-21 Dec., 2014.
5. Academic Field work organized by Department of Zoology Cachar College, Silchar at Nath Integrated Fish Farm, Palonghat, Cachar, Assam on 1st Feb., 2015.
6. Excursion-cum Education tour at Central Institute of Freshwater Aquaculture (CIFA), Bhubaneswar, Nandankanan & Puri Sea Beach, Odisha organized by Department of Zoology Cachar College, Silchar during 19-28th Dec., 2015.
7. Job Training Programme on Industrial Fish & Fisheries, 2017 (JTPIFF,2017) organised by Department of Zoology and Centre for Industrial Fish and Fisheries, Cachar College, Silchar in Collaboration with ICAR Central Inland Fisheries Research Institute (CIFRI), Guwahati and College of Fisheries, Central Agricultural University, Lembuchera, Tripura during 3rd-8th March, 2017.
8. Academic Field work organized by Department of Zoology Cachar College, Silchar at Pailapool Govt. Sericulture Farm and Bashkandi Anua, Cachar, Assam on 15th January, 2017.
9. Excursion-cum Education tour to Siliguri, Gangtok & Darjeeling organized by Department of Zoology Cachar College, Silchar during 1st -12th January, 2018.
10. Academic Field work organized by Department of Zoology & Centre for Industrial Fish & Fisheries, Cachar College, Silchar at Badarpur Integrated Fish Farm, Karimganj, Assam on 24th Feb., 2018.
11. Acted as Programme Coordinator in Job Training Programme on Industrial Fish & Fisheries, 2018 (JTPIFF,2018) organized by Department of Zoology and Centre for Industrial Fish and Fisheries, Cachar College, Silchar in Collaboration with ICAR Central Inland Fisheries Research Institute (CIFRI), Guwahati, College of Fisheries, Central Agricultural University, Lembuchera, Tripura, District Fishery Development Office, Cachar and Institutional Level Biotech Hub, Cachar College, Silchar during 25th-28th March, 2018.
12. Academic Field work organized by Department of Zoology Cachar College, Silchar at Sone Beel, Karimganj, Assam on 5th October, 2018 for the students of TDC 1st Sem (CBCS) and TDC 3rd Sem IFF.
13. Excursion-cum Education tour to Siliguri, Gangtok & Darjeeling organized by Department of Zoology Cachar College, Silchar during 16th -24th January, 2019.
14. Academic Field work organized by Department of Zoology Cachar College, Silchar at Sone Beel, Karimganj, Assam in January, 2019 for the students of TDC 4th & 6th IFF.
15. Organized the 'Late Shyamal Kanti Paul Memorial Lecture' on "Current Perspectives on the genetic susceptibility to carcinogenesis, its diagnosis and therapy" delivered by Dr. Yashmin Choudhury, Dept. of Biotechnology, Assam University, Silchar on 30th Sept., 2019.
16. Acted as Teacher-in charge of the Excursion of TDC 1st Semester Honours at Kaziranga NP, Guwahati during 26-29 Nov., 2019.
17. Excursion-cum Education tour to Kolkata, Puri and Bhubaneswar organized by Department of Zoology Cachar College, Silchar during 14th -23th January, 2020.

It is hereby declared that the information furnished above information are true to the best of my knowledge and belief.

Date: 24/05/2021

Your's faithfully,



(Dr. Nitu Debnath)

Assistant Professor
Department of Zoology
Cachar College, Silchar.