

BIODATA

PERSONAL PARTICULARS

Name: Dr. RUPAMONI THAKUR
Gender: Female
Date of Birth: 15.06.1984
Address for Communication: Department of Life Sciences, Dibrugarh University, Dibrugarh, Assam.
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I. EDUCATIONAL QUALIFICATIONS:

Qualification	Year of passing	Board/ School / College / University / Institute	Division	Percentage	Rank
Ph.D. in Molecular Biology and Biotechnology	2015	Department of Molecular Biology and Biotechnology, Tezpur University, Assam, India	-	-	-
M. Sc. (Zoology) (Specialization in Animal Physiol&Biochem)	2008	Gauhati University, Guwahati, Assam, India	First	75.56	1 st
B. Sc. (Zoology)	2006	D. H. S. K. College, Dibrugarh, Dibrugarh University, Assam, India	First	64.8	14 th
H.S.S.L.C	2002	AHSEC/ Salt Brook Academy, Assam, India	First	64.6	-
H.S.L.C	2000	SEBA/ Little Flower Girl's High School, Dibrugarh, Assam, India	First	71.22	-

Other Qualifications:

Qualification	Year of passing	Institute	Percentage	Division
B.Sc. (IT)	2006	Sikkim Manipal University (Distance Education Program), Dibrugarh, Assam	72.16	First

II. SPECIALIZATION:

Animal Physiology and Biochemistry, Molecular Biology, Proteomics and Toxinology. Drug Discovery from Natural Resources.

III. PROFESSIONAL TRAINING AND RESEARCH EXPERIENCE:

A. TEACHING EXPERIENCE:

1. Assistant Professor

Dept/University: Department of Life Sciences, Dibrugarh University, Dibrugarh Assam.

Duration: August, 2024- till date

2.

3. Assistant Professor

Dept/University: Department of Zoology, Dergaon Kamal Dowerah College (affiliated to Dibrugarh University), Dergaon-785614, Dist. Golaghat, Assam.

Duration: January, 2020- July, 2024

4. Assistant Professor

Dept/University: Department of Life Sciences, Dibrugarh University, Dibrugarh Assam.

Duration: October, 2018-June, 2019

B. RESEARCH EXPERIENCE:

(i) Postdoctoral Research

1. UGC-Dr. D.S. Kothari Postdoctoral Fellow

Project title: Elucidating the proteomic profile of the venom of hornets (*Vespa* sp.) prevalent in North-east India with special reference to anticancer potential.

Funding agency: University Grants Commission (UGC), India.

Dept/University: Department of Life Sciences, Dibrugarh University, Dibrugarh, PIN-786001, Assam.

Duration: July, 2019-January, 2020.

2. Scientist-B

Project title: Impact of Measles-Rubella vaccination campaign on population immunity in India.

Funding agency: Indian Council of Medical Research (ICMR), India.

Dept/University: ICMR- Regional Medical Research Center, Dibrugarh, PIN-786001, Assam.

Duration: March, 2018-April, 2018.

3. National-Post Doctoral Fellow

Project title: Microbial characterization and biochemical analysis of a locally-prepared alcoholic beverage consumed by the tea-tribes of Assam and its effect on the gut microbial profile and biochemical biomarkers of the population.

Funding agency: Science and Engineering Research Board (SERB), India.

Dept/University: Division of Life Sciences, Institute of Advanced Study in Science and Technology (IASST), Paschim Boragaon, Garchuk, Guwahati-781035, Assam, India.

Duration: March, 2016-March, 2018.

4. DBT-RA

Project title: Study on the locally prepared alcoholic beverage consumed by the tea-tribes of Assam and its effect on the gut microbial profile.

Funding agency: Department of Biotechnology (DBT), India.

Dept/University: Division of Life Sciences, Institute of Advanced Study in Science and Technology (IASST), Paschim Boragaon, Garchuk, Guwahati-781035, Assam, India.

Duration: January, 2016-March, 2016.

5. Research Associate (Project)

Project title: Discovering novel drug formulation from non-toxic potent anticoagulant components of snake venom for the prevention or treatment of cardiovascular diseases.

Principal Investigator: Dr. A.K. Mukherjee, Professor, Department of Molecular Biology and Biotechnology, Tezpur University.

Funding agency: Department of Biotechnology (DBT), India.

Dept/University: Department of Molecular Biology and Biotechnology, Tezpur University, Assam, India.

Duration: November, 2015 – December, 2015.

(ii) Doctoral Research

1. Ph.D. in Molecular Biology and Biotechnology

Title of Thesis: Characterization of some procoagulant and anticoagulant protein(s) and peptide(s) purified from Indian Russell's Viper (*Daboia russelii russelii*) venom.

Supervisor: Dr. A.K. Mukherjee, Professor, Department of Molecular Biology and Biotechnology, Tezpur University.

Dept/University: Department of Molecular Biology and Biotechnology, Tezpur University, Assam, India.

Duration: January, 2009- June, 2015.

2. INSPIRE JRF/SRF

Project title: Characterization of some procoagulant and anticoagulant protein(s) and peptide(s) purified from Indian Russell's Viper (*Daboia russelii russelii*) venom.

Funding agency: Department of Science and Technology (DST), India

Supervisor: Dr. A.K. Mukherjee, Professor, Department of Molecular Biology and Biotechnology, Tezpur University.

Dept/University: Department of Molecular Biology and Biotechnology, Tezpur University, Assam, India.

Duration: Oct,2010- Sept, 2012 (JRF), Oct, 2012-June, 2015 (SRF)

3. Junior Research Fellow (Project)

Project title: Strengthening of teaching, training and research in colleges and Universities of North-east India.

Funding Agency: Department of Biotechnology (DBT), Govt. of India.

Host Institute: Department of Molecular Biology and Biotechnology, Tezpur University, Assam, India.

Duration: February, 2010-September, 2010.

IV. RESEARCH PROJECTS

Sl no.	Project Title	Project Duration	Role as PI/CoPI	Agency	Status	Sanctioned Amount (Rs.)
1.	Metabolite profile and evaluation of biological activities of selected ethno-medicinal plants of North-East India with special reference to antithrombotic and anticancer potency.	2 years (SRG)	PI	DST-SERB, GoI.	Tenure Completed (2022-2024)	3056120/-
2.	Institutional Biotech-Hub	3 Years	Co- PI	DBT, GoI	Ongoing (2023-2026)	3155200/-
3.	Microbial characterization and biochemical analysis of a locally-prepared alcoholic beverage consumed by the tea- tribes of Assam and its effect on the gut microbial profile and biochemical biomarkers of the population	2 Years (NPDF)	PI	DST-SERB, GoI	Completed (2016-2018)	1920000/-

V. FELLOWSHIPS, AWARDS AND ACADEMIC DISTINCTIONS:

(i) Fellowships

1. **Dr. D.S. Kothari Postdoctoral Fellowship-** Awarded by UGC, India, July 2019.

2. **National Postdoctoral Fellowship**- Awarded by SERB, India, March 2016-March 2018.
3. **DBT-Research Associateship**- Awarded by DBT, India, January 2016-March, 2016.
4. **INSPIRE Fellowship**- Awarded by DST, India for pursuing full-time PhD, October, 2010-May, 2015.

(ii) Awards

1. **Third position in poster presentation**- ‘R&D funding opportunities by SERB-DST: Awareness workshop for researchers from North-east institutions’, 14th-15th July, 2022 Institute of Advanced Study in Science and Technology, Assam, India.
2. **Best Poster award**- ‘57th Annual Conference of The Association of Microbiologists of India’, 24th -27th November, 2016, Gauhati University, Assam, India.
3. **Third Best Paper Award for Oral Presentation**- ‘National Seminar on Recent Advances in Snake venom Research and Snakebite therapy’, 22nd-24th November, 2016, Tezpur University, Assam, India
4. **First Prize of ONGC-CPBT Young Scientist Award** - ‘National Seminar on Recent Advances in Biotechnological Research in North East India: Challenges and Prospects’, 27th-29th November, 2014, Tezpur University, Assam, India.
5. **Second Best Paper Award for Oral Presentation** - ‘National Conference on Snakebite Management’, 10th-12th December, 2012, University of Mysore and Karnataka State Open University, Karnataka, India.
6. **Young Scientist Award**- ‘Two-Day National Symposium on Recent Advances in Snake Venom Research and Snakebite Therapy: National and International Perspectives’, 18th-19th December, 2009, Tezpur University, Assam, India.

(iii) Academic distinctions

1. Qualified **State Eligibility Test (SET) for Lectureship** in colleges and universities of North-east India in 2014 (Roll no: 1402321006, Subject: Life Sciences).
2. Secured **first class first position** in M. Sc. Examination from Gauhati University, in 2008.
3. Secured **first class fourteenth position** in B. Sc. Examination from Dibrugarh University, in 2006.

VI. LIST OF PUBLICATIONS:

A. Publications in peer-reviewed journals:

1. **Thakur, R.**, Chattopadhyay, P., Mukherjee, A.K. The wound healing potential of a pro-angiogenic peptide purified from Indian Russell’s viper (*Daboia russelii*) venom, *Toxicon*, **165**, 78-82, 2019. DOI: <https://doi.org/10.1016/j.toxicon.2019.04.009> (IF: 3.035).
2. **Thakur, R.**, & Mukherjee, A.K. Pathophysiological significance and therapeutic applications of snake venom protease inhibitors, *Toxicon*, **131**, 37-47, 2017. DOI:

- <https://doi.org/10.1016/j.toxicon.2017.03.011> (IF: 3.035).
3. **Thakur, R.**, Kini, S., Kurkalang, S., Banerjee, A., Chatterjee, P., Chanda, A., Mukherjee, A.K. Mechanism of apoptosis induction in human breast cancer MCF-7 cell by Ruviprase, a small peptide from *Daboia russelii russelii* venom, *Chemico-Biological Interactions* **258**, 297-304, 2016. DOI: <https://doi.org/10.1016/j.cbi.2016.09.004> (IF: 5.168).
 4. **Thakur, R.**, Chattopadhyay, P., Ghosh, S.S., Mukherjee, A.K. Elucidation of procoagulant mechanism and pathophysiological significance of a new prothrombin activating metalloprotease purified from *Daboia russelii russelii* venom, *Toxicon* **100**, 1-12, 2015. DOI: <https://doi.org/10.1016/j.toxicon.2015.03.019> (IF: 3.035).
 5. **Thakur, R.**, Chattopadhyay, P., Mukherjee, A.K. Biochemical and Pharmacological Characterization of a Toxic Fraction and its Cytotoxin-like Component Isolated from Russell's Viper (*Daboia russelii russelii*) Venom, *Comp Biochem Physiol-Part C*, **168**, 55-65, 2015. DOI: <https://doi.org/10.1016/j.cbpc.2014.12.001> (IF: 4.52).
 6. **Thakur, R.**, Kumar, A., Bose, B., Panda, D., Saikia, D., Chattopadhyay, P., Mukherjee, A.K. A new peptide (Ruviprase) purified from the venom of *Daboia russelii russelii* shows potent anticoagulant activity via non-enzymatic inhibition of thrombin and factor Xa, *Biochimie*, **105**, 149-158, 2014. DOI: <https://doi.org/10.1016/j.cbpc.2014.12.001> (IF: 4.372).
 7. Mukherjee, A.K., Kalita, B., **Thakur, R.** Two acidic, anticoagulant PLA₂ isoenzymes purified from the venom of monocled cobra *Naja kaouthia* exhibit different potency to inhibit thrombin and factor Xa via phospholipids independent, non-enzymatic mechanism, *PLOS One*, **9**(8), e101334, 2014. DOI: [10.1371/journal.pone.0101334](https://doi.org/10.1371/journal.pone.0101334) (IF: 3.752).
 8. Mukherjee A.K., Chatterjee, S., Majumdar, S., Saikia, D., **Thakur, R.**, Chatterjee, A. Characterization of a pro-angiogenic, novel peptide from Russell's viper (*Daboia russelii russelii*) venom, *Toxicon*, **77**, 26-31, 2014. DOI: <https://doi.org/10.1016/j.toxicon.2013.10.024> (IF: 3.035).
 9. Mukherjee, A.K., Rai, S.K., **Thakur, R.**, Chattopadhyay, P, Kar, S. Bafibrinase: A non-toxic, non-hemorrhagic, direct-acting fibrinolytic serine protease from *Bacillus* sp. strain AS- S20-I exhibits *in vivo* anticoagulant activity and thrombolytic potency, *Biochimie*, **94**(6), 1300-1308, 2012. DOI: <https://doi.org/10.1016/j.biochi.2012.02.027> (IF: 4.372).
 10. Saikia D., **Thakur, R.**, Mukherjee, A. K. An acidic phospholipase A₂ (RVVA-PLA₂-I) purified from *Daboia russelii* venom exerts its anticoagulant activity by enzymatic hydrolysis of plasma phospholipids and by non-enzymatic inhibition of factor Xa in a phospholipids/Ca²⁺ independent manner, *Toxicon*, **57**(6), 841-850, 2011. DOI: <https://doi.org/10.1016/j.toxicon.2011.02.018> (IF: 3.035).
 11. Mukherjee, A. K., Saikia, D., **Thakur, R.** Medical and diagnostic application of snake venom proteomes, *J Proteins Proteomics*, **2**, 31-40, 2011.

B. Book chapters:

1. **Thakur, R.** Characterization of some procoagulant and anticoagulant protein(s) and peptide(s) purified from Indian Russell's Viper (*Daboia russelii russelii*) venom, in *Summary of Doctoral Theses Vol-X*, Das, D. & Saikia, K., eds. Assam College Teachers' Association, pp. 193-204, 2022. ISBN-978-93-93864-13-0.
2. **Thakur, R.**, Gogoi, A., Kardong, D., Analyzing the proteolytic and anticoagulant properties of *Mesua ferrea* leaf extract, in *Research in Life Sciences*, Begum, M., ed., Aitihya Eshonna (Amulya Kumar Borah), pp. 195-207, 2021. ISBN- 978-81-947823-0-8.
3. **Thakur, R.**, & Mukherjee, A.K. A Brief Appraisal on Russell's Viper Venom (*Daboia russelii*) Proteinases, in *Handbook of Toxinology, Volume: Snake venom*, Iganaki, H., Mukherjee, A.K., Rahmy, T.R., Vogel, C-W., eds., Springer, Netherlands, pp. 123-144, 2017.
4. **Thakur, R.**, & Mukherjee, A.K. Pathophysiological significance and therapeutic implications of Russell's viper venom proteins and peptides affecting blood coagulation, in *Snake Venoms and Envenomation: Modern Trends and Future Prospects*, Utkin, Y., ed., Nova Science Publishers Inc., New York, pp. 93-114, 2015.

C. List of general articles:

1. **Thakur, R.**, An overview of the impact of lockdown due to COVID-19 on domestic violence against women. Prajna, 2021.
2. **Thakur, R.**, & Mukherjee, A. K. Snake venom prothrombin activators: their importance and pathophysiological significance, *TSI Newsletter*, **2**(2), 35-38, 2012.
3. **Thakur, R.**, & Mukherjee, A. K. Focusing on an emergent class of venom component- Thrombin inhibitors: a potential lead compound for cardiovascular drug development, *TSI Newsletter*, **2**(1), 22-24, 2012.
4. **Thakur, R.**, & Mukherjee, A. K. Venom Therapeutics: A breakthrough in the field of medicine, *TSI Newsletter*, **2**, 8-10, 2011.

D. List of articles under consideration for publication

1. Nath, P., & **Thakur, R.**, Comprehensive GC-MS based metabolite profile and assessment of in vitro antioxidant and anticoagulant properties of *Melastoma malabathricum* L. *Journal of Biosciences (Under review)*.
2. Kaur, K., Nasreen, S., Kardong, D., **Thakur, R.** Comparative assessment of the proteolytic and anticoagulant property of *Ageratum houstonianum* Mill leaf and root extract. (*Book Chapter, under review*).
3. **Thakur, R.**, Kaur, K., Kardong, D. Preliminary investigation of the in vitro fibrinogenolytic and anticoagulant property of *Ageratum houstonianum* root extract. (*Conference Proceedings, under review*).
4. Nath, P., **Thakur, R.** GC MS based metabolite profiling and antioxidant activity of methanolic extracts of *Mimosa pudica* L. leaves. (*Conference Proceedings, under review*).

VII. PAPERS PRESENTED IN CONFERENCES/SYMPIOSIUMS/SEMINARS:

(A) International

1. **Thakur, R.** Evaluating the metabolite profile and ethnopharmacological relevance of *Melastoma malabathricum* L. leaf and flower extracts with reference to antioxidant and antithrombotic capacity: A comparative study. 22nd International Conference on the Science of Botanicals and the 7th World Congress on Medicinal and Aromatic Plants, Oxford, MS, USA on 15th -18th April, 2024 (accepted for poster presentation).
2. **Thakur, R.,** Role of snake venom procoagulant proteins in venom-induced pathophysiology in bite victims: an updated overview. International Symposium on From Venom Pharmacology to Drug Discovery: National and International Perspective (SNAKESYMP-2024), organized by Institute of Advanced Study of Science and Technology (IASST), Guwahati, India (Invited Speaker)
3. **Thakur, R.,** Investigating the therapeutic relevance and metabolite profile of *Solanum violaceum* Ortega leaf and fruit extracts: A comparative study. 9th India International Science Festival (IISF 2023) -Young Scientist Conference, organized by Government of India's Ministry of Science and Technology, Ministry of Earth Sciences, Department of Space, Department of Atomic Energy and Government of Haryana in association with Vijnana Bharati, 17th-20th January, 2024, DBT-THSTI-RCB Campus, Faridabad, Haryana, India (Poster Presentation).
4. **Thakur, R.,** Nath, P. GC-MS based untargeted metabolite profile, phytochemical analysis and in vitro antioxidant activity of the methanolic extract of *Solanum indicum* fruit. International Bioresource Conclave and Ethnopharmacology Congress (ISES FEC-2023), organized by Institute of Bioresource and Sustainable Development, Imphal and Society for Ethnopharmacology, Kolkata at Imphal, Manipur, India on Feb 24th-26th, 2023 (poster presentation).
5. **Thakur, R.,** Dehingia, M., Talukdar, N.C., Khan, M. Variations in gut microbiota and faecal metabolite profile associated with consumption of traditional jaggery based distilled liquor (Chulai) by the tea-tribal population of Assam (India). ADNAT Silver Jubilee Convention and International Symposium on Biodiversity and Biobanking January, 2018, Indian Institute of Technology, Guwahati, Assam, India (Poster presentation).
6. **Thakur, R.,** Talukdar, N.C., Khan, M. Effect of a locally-prepared fermented alcoholic beverage from jaggery on the gut bacterial profile of the tea-tribal populations of Assam, India. 57th Annual Conference of The Association of Microbiologists of India, 24th -27th November, 2016, Gauhati University, Assam, India (Poster presentation-Best Poster Award).

(B) National

1. **Thakur, R. & Mukherjee, A.K.** Russell's viper venom proteinases: pathophysiological significance and their therapeutic/diagnostic applications. One Day National Symposium on Snake and Scorpion Envenomation and Therapy: National and International Perspectives, 16th July, 2022, Institute of Advanced Study in Science and Technology, Assam, India (Invited lecture).
2. **Thakur, R.,** Talukdar, N.C., Khan, M. Microbial characterization and biochemical

- analysis of a locally-prepared alcoholic beverage consumed by the tea-tribes of Assam and its effect on the gut microbial profile and biochemical biomarkers of the population. R&D Funding Opportunities by SERB-DST: Awareness Workshop for Researchers from North-East Institutions, 14th -15th July, 2022, SERB, GoI and Institute of Advanced Study in Science and Technology (IAAST), Assam, India (Poster presentation-3rd Prize).
3. **Thakur, R.**, Kaur, K., Kardong, D. Preliminary investigation of the *in vitro* fibrinolytic and anticoagulant property of *Ageratum houstonianum* root extract. National Seminar on Plant Taxonomy and Traditional Knowledge in the Himalayas and North-East India and Annual Conference of East Himalayan Society for Spermatophyte Taxonomy (EHHST), Department of Botany, Rajiv Gandhi University, Arunachal Pradesh, India. 21st-22nd February, 2022 (Oral presentation, Online).
 4. **Thakur, R.** & Bora D.S. Preliminary investigation of the protein profile and enzymatic properties of lesser banded hornet (*Vespa affinis*) venom. National Seminar on Trends in Biological Sciences and Sustainable Development, Department of Life Sciences, Dibrugarh University, Dibrugarh, Assam, India. 5th -6th February, 2020 (Oral Presentation).
 5. **Thakur, R.**, Dehingia, M., Talukdar, N.C., Khan, M. Biochemical analysis of a traditional jaggery-based distilled liquor (Chulai) consumed by the tea-tribal population of Assam (India) and its effects on liver function and blood metabolites. 7th Symposium of the DNA Society of India, November, 2017, Institute of Advanced Study in Science and Technology, Assam, India (Poster presentation).
 6. **Thakur, R.**, Kini, S., Kurkalang, S., Banerjee, A., Chatterjee, P., Chanda, A., Mukherjee, A.K. Elucidating the anticoagulant property and anticancer potential of a small peptide purified from *Daboia russelii russelii* venom. National Seminar on Recent Advances in Snake venom Research and Snakebite therapy, 22nd-24th November, 2016, Tezpur University, Assam, India (Oral presentation-3rd Best Paper Award).
 7. **Thakur, R.**, Chattopadhyay, P., Mukherjee, A.K. A new prothrombin activator from Indian Russell's viper (*Daboia russelii russelii*) venom: characterization and pathophysiological significance. Proceeding of TSICON 2015, 21st-22nd November, 2015, Little Flower Hospital, Angamaly, Cochin, Kerala, India (Oral presentation).
 8. **Thakur, R.**, Kumar, A., Bose, B., Panda, D, Saikia, D., Chattopadhyay, P., Mukherjee, A.K. Anticoagulant mechanism of a peptide purified from *Daboia russelii russelii*(Russell's viper) venom. Proceeding of '83rd Annual Meeting of Society of Biological Chemists (India), Evolution: Molecules to Life', 17th-21st December, 2014, KIIT University, Bhubeneshwar, Odisha, India (Poster presentation).
 9. **Thakur, R.**, Kumar, A., Bose, B., Panda, D, Saikia, D., Chattopadhyay, P., Mukherjee, A.K. Characterization of an anticoagulant peptide with pro-apoptotic properties purified from *Daboia russelii russelii*(Russell's Viper) venom. Proceeding of 'National Seminar on Recent Advances in Biotechnological Research in North East India: Challenges and Prospects', 27th-29th November, 2014, Tezpur University, Assam, India (Oral presentation-1st Prize ONGC CPBT Young Scientist Award).
 10. **Thakur, R.**, Rai, S.K., Chattopadhyay, P., Kar, S., Mukherjee, A.K. Characterization of a direct-acting fibrinolytic serine protease (Bafibrinase) from *Bacillus* sp. strain AS-S20-I:

An evaluation of its *in vivo* toxicity, anticoagulant property and thrombolytic potency. Proceedings of “Recent Advances in Microbial Biotechnology and Molecular Evolution”, 1st-4th March 2013, Tezpur University, Assam, India (Oral presentation).

11. **Thakur, R.** & Mukherjee, A.K. Biochemical and pharmacological properties of a low molecular mass cytotoxin-like molecule purified from Indian Russell’s viper (*Daboia russelii russelii*) venom. Proceeding of ‘National Conference on Snakebite Management’, 10th-12th December, 2012, University of Mysore and Karnataka State Open University, Karnataka, India (Poster and Oral presentation-Second Best Paper Award for Oral Presentation).
12. **Thakur, R.**, Saikia, D., Mukherjee, A.K. Insight into the anticoagulant mechanism of a low molecular weight protein isolated from Indian Russell’s Viper venom. Proceeding of ‘1st National Conference on Animal, Microbial, Plant Toxins & Snakebite Management: Biotoxins in Health & Disease’, 11th-12th December, 2011, IICB and KPC Medical College & Hospital, Kolkata, West Bengal, India (Oral presentation, Invited talk).
13. Participated in a National Seminar on “Medicinal Plant and Microbe Diversity and their Pharmaceuticals” held from 19th -21st December 2010, Department of Molecular Biology and Biotechnology, Tezpur University, Assam, India.
14. **Thakur, R.**, & Mukherjee, A.K. Screening for fibrinolytic isoenzymes from venom of Indian Russell’s viper (*Daboia russelii russelii*). Proceeding of ‘Two-Day National Symposium on Recent Advances in Snake Venom Research and Snakebite Therapy: National and International Perspectives’, 18th-19th December, 2009, Tezpur University, Assam, India (Oral presentation-Young Scientist Award).
15. Participated in a UGC sponsored seminar on “Ornamental Fish in North-Eastern Region of India- Its Culture and Maintenance”, 29th- 30th January 2006, D.H.S.Kanoi College, Dibrugarh, Assam, India.

VIII. WORKSHOPS ATTENDED:

1. **Resource Person** in the Two days Hand on Training on Biochemistry organized by Institutional Biotech Hub, DKD College, Dergaon, Assam, 16th-20th February, 2024.
2. **Resource Person** in the Three days Hand on Training on Bioinstrumentation organized by Institutional Biotech Hub, DKD College, Dergaon, Assam, 14th-16th December, 2023.
3. Participated in Training program on “Current Trend in R&D, Modern Advances and Technology for Scientific Understanding in AYUSH” organized by CSIR-NEIST, Jorhat, 28th- 2nd April, 2022.
4. **Resource Person** in DST-SERB sponsored workshop on ‘Techniques in Research for Insects of Medical Importance’ organized by Department of Life Sciences, Dibrugarh University, Assam, 19th-20th March, 2021.
5. Participated in a Regional Training Programme Cum Workshop on “ShodhGanga and Anti-Plagiarism Software” organized by Central Library, Tezpur University in association with INFLIBNET Centre, Gandhinagar, 28th November 2014.
6. Participated in a National Workshop on “Advances in Applied Microbiology and Bioprocess Engineering-with Special Reference to Petroleum Biotechnology” organized

by ONGC-Centre for Petroleum Biotechnology, Tezpur University, 23rd -24th August, 2012.

7. Participated in a GE Healthcare sponsored workshop on “Tools of Proteomics”, at Guwahati, Assam, India, 21st -22nd June 2012.
8. Participated in a DBT funded National workshop on “Protein 3D Structure Modeling”, held on 23rd -26th November 2011, organized by Bioinformatics Infrastructure Facility, Department of Molecular Biology and Biotechnology, Tezpur University, Assam, India.
9. Participated in a DBT sponsored Short-term Course on “Advance Techniques in Biotechnology”, organized by IIT-Guwahati, Assam, India, , 12th -15th October 2011.
10. Participated in a Workshop on “Biostatistics for Healthcare” organized by DBT Nodal Cell, Tezpur University, 26th – 28th July, 2011.
11. Participated in a TIFAC, DST sponsored Workshop on “Intellectual Property Rights Sensitization: IPRSW-2010” at Tezpur University, Assam, India, 23rd December 2010.

IX. WORKSHOPS/SEMINARS ORGANISED

1. One day visit of 30 students from Dergaon H.S. School, Dergaon Girls’ H.S. School and Kuralguri H.S. School, to DKD College under the Scientific Social Responsibility (SSR) policy of SERB-SRG project (SERB/SRG/2021/000862) on 9th November, 2022.

X. OTHER ACADEMIC RESPONSIBILITIES/ACHIEVEMENTS

1. Assistant Convener, Women Cell, DKD College (2023-2024)
2. Convener, Green Audit Committee, DKD College (2022-2024)
3. Member, IQAC, DKD College (2022-2024)
4. Program Coordinator, International Lecture cum Interactive Session on “Competency Development of Students and Faculty Members for Biodiversity Conservation in NE India with Reference to the UN-SDGs” by Dr. Ramesh ‘Zimbo’ Boonratana Professor (Conservation Biology) Mahidol University International College, Bangkok, Thailand, organized by DKD College, Dergaon, in association with Department of Zoology, Gauhati University on 28th April, 2023.
5. Faculty Co-ordinator- ‘MANAV Scientific Reading and Comprehension Self- Assessment Module (for students)’ under PROJECT MANAV-The Human Atlas (IISER, Pune), September-October, 2021.
6. Development of e-content, Youtube Channel of Zoological Society of Assam, 2020.

XI. MEMBERSHIPS:

1. Life member of the “Toxinological Society of India”
2. Life member of the “Society of Biological Chemists (India)”
3. Life member of the “DNA Society of India”
4. Life member of the “Assam Science Society”
5. Life member of the “ Zoological Society of Assam”
6. Member of the “ Women Cell”, D.K.D. College, Dergaon, Assam.
7. Life member of the “Dibrugarh University Alumni Association”.