

Curriculum Vitae

HIMANGSHU SARMA, M. PHARM

Specialization: Pharmaceutics



Personal Profile

Parent's Name : Tarun Sarma & Bhanu Devi

Sex & Marital status: Male & Unmarried

Nationality : Indian

Date of birth : January 31st, 1992

Corresponding Address: S/O- Tarun Sarma
Village: Keot Para; P.O.: Janaram Chowka; P.S.: Mangaldai
District: Darrang (Assam); PIN: 784529

Contact No. : 08638848358/09476730135

Email : himangshu.amc@gmail.com

Career Objective

Working in a professional and challenging environment will give me ample opportunity to prove my abilities, learn new things, as well as refine my knowledge and skills further.

EDUCATIONAL QUALIFICATIONS

EXAM/ DEGREE	BOARD/ UNIVERSITY	YEAR	DIVISION/ GRADE	PERCENTAGE / CGPA
Ph.D.	Dibrugarh University	Pursuing		
M. Pharm (Pharmaceutics)	Dibrugarh University	2019	A	8.48
B. Pharm	Dibrugarh University	2017	1 st	80.78
D. Pharm	Dibrugarh University	2013	1 st	74.70
HSSLC	AHSEC	2010	1 st	60.50
HSLC	SEBA	2008	1 st	67.50

ACHIVEMENTS AND AWARDS FROM NATIONAL AGENCIES

- QUALIFIED GPAT TWO TIMES CONDUCTED BY AICTE**

YEAR	SCORE	ALL INDIA RANK
GPAT-2016	158	266
GPAT-2017	115	2189

- **BEST PHARMACY GRADUATE AWARD 2017 BY ASSAM PHARMACEUTICAL ASSOCIATION, GUWAHATI, ASSAM.**

WORK EXPERIENCES

From Date	To Date	Designation	Duration	Organization
July 1 st , 2022	Nov 1 st , 2023	Scientific Officer	16 th months	SAIF, GIPS, Guwahati
December 4 th , 2021	June 28 th , 2022	Senior Research Fellow	7 th months	LSD, IASST, Guwahati
December 4 th , 2019	December 3 rd , 2021	Junior Research Fellow	24 th months	LSD, IASST, Guwahati

TECHNICAL SKILLS

Analytical Techniques	UV/Visible spectrophotometer, FT-IR, TLC, HPLC, HPTLC, GC, Rotary evaporator, CHNO Analyser, Zetasizer.
Phytochemical tech.	Extraction and isolation of Phyto-constituents.
Pharmaceutical Technology	Dissolution test, Disintegration test, Manufacturing & Packaging of Tablets.
Pharmacological Techniques	Experience in performing animal experiments.
Computer Knowledge	Windows, Linux, MS Office, Adobe Photoshop; Mendeley; EndNote.

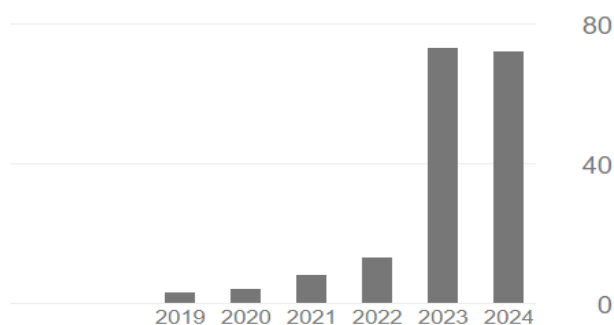
PATENT (No: 01)

1. Ashis K. Goswami, Hemanta K. Sharma, Neelutpal Gogoi, Ankita Kashyap, Bhaskarjyoti Gogoi, **Himangshu Sarma**, Gaurav Tiwari (2022). A method for evaluating the antimalarial activity of the methanol extracts of *Coptis teeta*. **Patent no- 2022/03092** under the Republic of South Africa.

PUBLICATIONS (Journal articles: 33; Book chapters: 09)

Google Scholar Citation Index

	All	Since 2019
Citations	174	174
h-index	8	8
i10-index	7	7



A. Journal articles

1. Deepak Rabha, **Himangshu Sarma**, Manjit Borah, Vivek Ghose, Dharmeswar Barman, Someswar Rao, Hemanta K. Sarma, Rajlakshmi Devi, Dulal C. Boruah (2024). **Clerodendrum japonicum (Thunb.) Sweet leaf extract supported nanosilver particles: Characterization, antioxidant and antibacterial activity**. Vietnam Journal of Science and Technology. (Accepted)
2. Nonibala Gurumayum, Puspanjali Khound, Anupam Bhattacharya, **Himangshu Sarma**, Mojibur Khan, Rajlakshmi Devi (2024). **Bioactive fraction of *Musa balbisiana* seed mitigates D-galactose-induced aging-associated cognitive impairment via SIRT1/PGC-1 α /FoxO3a activation and intestinal barrier dysfunction by modulating gut microbiota and core metabolites**. Food Frontiers -Wiley publication (Under review).
3. Sanjib K Sarma, Uloopi Dutta, Alakesh Bharali, **Himangshu Sarma**, Suman Kumar, Sunayna Baruah, Damiki Laloo, Bhanu P Sahu (2023). **Isolation of curcumin from Lakadong turmeric of Meghalaya and development of its PLGA-Cur-NS loaded nano gel for potential anti-inflammatory and cutaneous wound healing activity in Wistar rats**. Future Journal of Pharmaceutical Sciences- Springer Nature. 9, 85. <https://doi.org/10.1186/s43094-023-00534-9>.
4. Suman Kumar, Alakesh Bharali, **Himangshu Sarma**, Susankar Kushari, Sameeran Gam, Iswar Hazarika, Satyendra K Prasad, Damiki Laloo (2023). **Traditional complementary and alternative medicine (TCAM) for diabetic foot ulcer management: A systematic review**. Journal of Ayurveda and Integrative Medicine- Elsevier. 14(4) 100745. <https://doi.org/10.1016/j.jaim.2023.100745> (IF:2.4)
5. Puspanjali Khound, **Himangshu Sarma**, Partha Pratim Sarma, Uttam K. Jana, Rajlakshmi Devi (2023). **Ultrasound-Assisted Extraction of Verbascoside from *Clerodendrum glandulosum* Leaves for Analysis of Antioxidant and Antidiabetic Activities**. ACS Omega- ACS Publications. 8(23): 20360–20369 <https://doi.org/10.1021/acsomega.3c00173>. (IF:4.1)
6. Sameeran Gam, Suman Kumar, Susankar Kushari, Rajat Subhra Dutta, **Himangshu Sarma**, Arpita Paul, Md Kamaruz Zaman (2023). **Phytochemical Screening, HPTLC Fingerprinting and Evaluation of *In Vitro* Cytotoxic Activity of Stem Bark Extracts of *Oroxylum indicum* (L.) Vent. Against Human Cervical Cancer Cells**. Indian Journal of Clinical Biochemistry- Springer Nature. 1-9. <https://doi.org/10.1007/s12291-023-01137-0> (IF:2.1)
7. Kalyani Pathak, Riya Saikia, **Himangshu Sarma**, Aparoop Das *et al* (2023). **Therapeutic Repurposing of Antidiabetic Drugs in Diabetes-associated Comorbidities**. Current Drug Therapy- Bentham Science. 18. <https://dx.doi.org/10.2174/1574885518666230516150404>.
8. Kabyashree Phukan, **Himangshu Sarma**, Rajlakshmi Devi, Devasish Chowdhury (2023). **Acute toxicity study of onion peel-derived gold nano-bioconjugate**. 3 Biotech - Springer Nature. 13, 172. <https://doi.org/10.1007/s13205-023-03592-1>. (IF:2.895)
9. Kalyani Pathak, Riya Saikia, **Himangshu Sarma**, Aparoop Das *et al* (2023). **Nanotheranostics: application of nanosensors in diabetes management**. J Diabetes Metab Disord- Springer Nature. <https://doi.org/10.1007/s40200-023-01206-4> (IF:3.795)
10. Alakesh Bharali, **Himangshu Sarma**, Nikhil Biswas, Jun Moni Kalita, Biswajit Das, Bhanu P. Sahu, Satyendra K. Prasad, Damiki Laloo (2023). **Green synthesis of silver nanoparticles using hydroalcoholic root extract of *Potentilla fulgens* and evaluation of its cutaneous wound healing potential**. -Elsevier. (IF:3.795)
11. **Himangshu Sarma**, Deepak Rabha, Puspanjali Khound, Paramita Choudhury, Rajlakshmi Devi (2022). **Comparative Phytochemical screening through High-Performance Thin Layer**

Chromatography Technique and Free Radical Scavenging Ability of five Species of genus Clerodendrum, *Vegetos- Springer Nature*. (IF:0.495)

DOI: 10.1007/s42535-022-00494-0

12. Mohammad Z. Ahmad, Ali S. Alasiri, Javed Ahmad, Abdulsalam A. Alqahtani, Md Margub Abdullah, Basel A. Abdel-Wahab, Kalyani Pathak, Riya Saikia, Aparoop Das, **Himangshu Sarma**, and Seham Abdullah Alzahrani (2022). **Green Synthesis of Titanium Dioxide Nanoparticles Using *Ocimum sanctum* Leaf Extract: *In Vitro* Characterization and Its Healing Efficacy in Diabetic Wounds**, *Molecules* 27(22): 7712. DOI:10.3390/molecules27227712 (IF:4.927)
13. Paramita Choudhury, Suman K. Samanta, Swarnali Bhattacharjee, **Himangshu Sarma**, Rajlakshmi Devi (2022). **Chemical composite of indigenous whole grain scented joha rice varietal prevents type 2 diabetes in rats through ameliorating the insulin sensitization by IRS-1/AKT/PI3K signalling cascade**, *Food & Function- Royal Society of Chemistry*; (IF:6.317)
DOI: 10.1039/D2FO02373C
14. Susankar Kushari, Iswar Hazarika, Damiki Laloo, Suman Kumar, Jun M. Kalita, **Himangshu Sarma** (2022). **An integrated computational approach towards the screening of active plant metabolites as potential inhibitors of SARS-CoV-2: An overview**, *Structural Chemistry- Springer Nature*; (IF:1.795)
DOI: 10.1007/s11224-022-02066-z
15. Abhipshit Kalita, Ambarish Bharadwaz, Debapratim Kaushik, Suman Kumar, **Himangshu Sarma**, Susankar Kushari, Alakesh Bharali, Bhargab Deka, Iswar Hazarika, Damiki Laloo (2022). ***Tamilnadia uliginosa* (Retz) Tirveng and Sastre: Potential application from traditional remedies to modern therapeutics - A review**, *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences- Springer Nature*; (IF:0.96)
DOI:10.1007/s40011-022-01386-8
16. **Himangshu Sarma**, Jon J. Sahariah, Rajlakshmi Devi, Hemanta K. Sharma (2022). **Challenges and opportunities in the management of cardiovascular diseases**, *Sciences of Phytochemistry*; 1(1):42-46.
17. Riya Saikia, Kalyani Pathak, **Himangshu Sarma**, Jon J. Sahariah, Neelutpal Gogoi, Tirna Paul, Aparoop Das (2022). ***In-silico* design, synthesis and evaluation of hydroxyxanthone derivatives as potential anti-diabetic agents targeting α – glucosidase**, *Current Enzyme Inhibition- Bentham Science*;18
DOI: 10.2174/1573408018666220627114552
18. Kalyani Pathak, Ratna J. Das, Riya Saikia, **Himangshu Sarma**, Jon J. Sahariah, Hemanta Pathak, Aparoop Das (2022). **Design and fabrication of gallic acid loaded chitosan nanoformulation**, *Drug Delivery Letters- Bentham Science*;12
DOI:10.2174/2210303112666220512154520
19. Sagarika Das, Suman Hazarika, **Himangshu Sarma**, Ashis K. Goswami, Hemanta K. Sharma (2022). **Green extraction and *in vitro* anti-mycobacterial activity of *Hydrocotyle sibthorpioides* Lam. & *Carica papaya* L. leaves collected from Assam, India**, *Indian Journal of Natural Products and Resources*; 13(1):60-66.
20. Suman Kumar, Sameeran Gam, Susankar Kushari, **Himangshu Sarma** (2022). **A review on the Ethnomedicinal Plants to Cure Various Skin Diseases among the Tribal Communities in Mizoram, India: Based on the Theory of Traditional Remedy**, *Current Traditional Medicine- Bentham Science*;
DOI:10.2174/2215083808666220321144831

21. Kalyani Pathak, Ratna J. Das, Neelutpal Gogoi, Riya Saikia, *Himangshu Sarma*, Aparoop Das (2022). **Validated High-Performance Thin Layer Chromatography method for simultaneous determination of Quercetin & Gallic acid in *Annona reticulata* Linn.**, *Journal of Planar Chromatography-Modern TLC- Springer Nature*; (IF:1.088)
DOI: 10.1007/s00764-022-00151-x
22. *Himangshu Sarma*, Mohan Upadhyaya, Bitu Gogoi, Mayuri Phukan, Pallabi Kashyap, Bhanita Das, Rajlakshmi Devi, Hemanta K. Sharma (2021). **Cardiovascular Drugs: an Insight of *In Silico* Drug Design Tools**, *Journal of Pharmaceutical Innovation- Springer Nature*; (IF:2.75)
DOI: 10.1007/s12247-021-09587-w
23. Sameeran Gam, Suman Kumar, Susankar Kushari, *Himangshu Sarma* et al (2021). **Ethnobotanical Review of Medicinal Plants Used Against Diarrhea and Dysentery in Northeast India (Assam)**, *Current Traditional Medicine- Bentham Science*; 7(6):e291021197463.
DOI:10.2174/2215083807666211029104102
24. Kalyani Pathak, Ratna J. Das, *Himangshu Sarma*, Aparoop Das (2021). **Evaluation of Leaf Fraction of *Annona reticulata* Linn. for Antioxidant Activity and Anti-Inflammatory Potential against Carrageenan Induced Rat Paw Edema Model**, *Indian Journal of Natural Sciences*; 12(68): 33877-33888.
25. Prashanta K. Deb, Puspanjali Khound, Swarnali Bhattacharjee, Paramita Choudhury, *Himangshu Sarma*, Rajlakshmi Devi, Biswatrish Sarkar (2021). **Variation in chemical constituents, *in-vitro* bioactivity and toxicity profile among different parts of *Clerodendrum glandulosum* Lindl. (*C. colebrookianum* Walp.)**, *South African Journal of Botany-Elsevier*; 140: 50-61. (IF:2.315)
DOI:10.1016/j.sajb.2021.03.023
26. Suman Kumar, Dhritimoni Devi, Susankar Kushari, Sameeran Gam, *Himangshu Sarma* (2021). **A review on ethnomedicinal plants of Assam (India) used in the treatment of Diabetes mellitus**, *International Journal of Pharmaceutical Sciences & Research*; 12(6): 3042-50.
DOI: 10.13040/IJPSR.0975-8232.12 (6).3042-50
27. Kalyani Pathak, Aparoop Das, Anshul Shakya, Riya Saikia, *Himangshu Sarma* (2021). **Evaluation of the anti-diabetic and anti-hyperlipidemic activity of isolated bioactive compounds of leaves of *Annona reticulata* Linn**, *The Natural Products Journal- Bentham Science*; 11(3):414- 421.
DOI: 10.2174/2210315510999200511132940.
28. Alakesh Bharali, Bhargab Deka, *Himangshu Sarma*, et al (2021). **Integrating recommendations to improve treatment outcomes in the clinical management of allergic conjunctivitis**, *Pharmaceutical and Biosciences Journal*; 9(3): 22-40.
29. Ashique Ahmed, Alakesh Bharali, Bhargab Deka, *Himangshu Sarma*, et al (2021). **The role of pharmacists in optimizing molecular testing with evolving biomarkers and treatment for non-small cell lung cancer**, *European Journal of Molecular & Clinical Medicine*; 8(3): 2240-2259.
DOI: 10.31838/ejmcm.08.03.203
30. Pintu Dhar, *Himangshu Sarma*, Hemanta K. Sharma (2020). **Fixed-dose oral dispersible tablet of bitter drug-using Okra mucilage: Formulation and evaluation**, *Journal of Drug Delivery & Therapeutics*; 10(5):149–58.
DOI: 10.22270/jddt.v10i5.4393.
31. *Himangshu Sarma*, Taslima Jahan, Hemanta K. Sharma (2019). **Progress in drug and formulation development for the chemoprevention of oral squamous cell carcinoma: A review**, *Recent Patents on Drug Delivery & Formulation- Bentham Science*; 13(1):16-36. (IF:0.69)
DOI: 10.2174/1872211313666190222182824.

32. Laldinsanga, *Himangshu Sarma*, Taslima Jahan, Ashis K. Goswami, Hemanta K. Sharma (2019). **Traditional antimalarial drugs from Serchhip and Lunglei districts of Mizoram**, *Current Trends in Pharmaceutical Research*; 6(1): 76-104.
33. Suman Hazarika, Sagarika Das, *Himangshu Sarma*, Hemanta K. Sharma (2018). **Application of cow and goat urine in traditional systems of medicines: A brief review**, *International Journal of Pharmaceutical & Biological Archive*; 9(4):1-7.

B. Book chapters

1. Taslima Jahan, *Himangshu Sarma*, Hemanta Kumar Sharma, Abdul Baquee Ahmed (2023). **An Insight into the 3D Printing Technology in Pharmaceuticals: A Potential Tool to Developing Personalized Medicines**. In: *Healthcare Research and Related Technologies*; Pandey, L.M., Gupta, R., Thummer, R.P., Kar, R.K.; Springer-Nature, Singapore, 1st Edition; pp. 269-284. DOI:10.1007/978-981-99-4056-1_18
2. Suman Kumar, *Himangshu Sarma*, Susankar Kushari, Damiki Laloo (2023). **Exploring the Traditional System of Medicine With Special Emphasis on the Indigenous Practice of Herbal Remedy by the Tribals of North-East India** In: *Practice and Re-Emergence of Herbal Medicine*; Editor Chakraborty, Raja & Sen, Saikat; Bentham Science, 1st Edition; pp. 1-24. DOI: 10.2174/9789815080414123010003
3. *Himangshu Sarma*, Pallabi Kashyap, James H. Zothantluanga, Rajlakshmi Devi (2022). **Nanotherapeutics of phytoantioxidants for cardiovascular diseases**. In: *Phytoantioxidants and Nanotherapeutics*; Editor Rudrapal, Mithun; Wiley Publications, 1st Edition; pp. 405-431. DOI:10.1002/9781119811794.ch18
4. Mohammad Zaki Ahmad, Devyani Bhatnagar, Shreya Ladhe, Dileep Kumar, Kalyani Pathak, Ratna J. Das, *Himangshu Sarma*, Gulam Mustafa (2022). **Liposomes and Niosomes for Targeted Drug and Gene Delivery Systems**. In: *Pharmaceutical Nanobiotechnology for Targeted Therapy (Nanotechnology in the Life Sciences)*; Editors Barabadi, Hamed; Mostafavi, Ebrahim; Saravanan, Muthupandian; Springer Link, 1st Edition; pp 337–359. DOI: 10.1007/978-3-031-12658-1_12
5. James H. Zothantluanga, Zonunmawii, Punam J. Das, *Himangshu Sarma*, Abd. Kakhar Umar (2022). **Nanotherapeutics of phytoantioxidants for parasitic diseases and neglected tropical diseases**. In: *Phytoantioxidants and Nanotherapeutics*; Editor Rudrapal, Mithun; Wiley Publications, 1st Edition; pp. 351-376. DOI:10.1002/9781119811794.ch16
6. Alakesh Bharali, Bhargab Deka, *Himangshu Sarma*, Suman Kumar, Susankar Kushari, Ashique Ahmed (2022). **The role of Vitamin D in the restriction of the progress and severity of COVID-19 infection**. In: *Vitamin D Deficiency - New Insight*; Editor Fedotova, Julia; Intech Open Publications, UK, London. 1st Edition. DOI: 10.5772/intechopen.106980
7. *Himangshu Sarma*, Nayanmoni Boruah, Hemanta K. Sharma (2021). **Formulation and characterization of dry powder inhalers for pulmonary drug delivery**. In: *Handbook of Lung Targeted Drug Delivery Systems: Recent Trends and Clinical Evidences*; Editors Pathak, Yashwant & Islam, Nazrul; CRC Press, Taylor & Francis Group of Publications, UK, London. 1st Edition; pp.527-537. DOI: 10.1201/9781003046547-37
8. Nayanmoni Boruah, *Himangshu Sarma*, Hemanta K. Sharma (2021). **Solid lipid nanoparticles for sustained pulmonary delivery of Herbal drugs for Lung delivery: Preparation, characterization and *in vivo* evaluation**. In: *Handbook of Lung Targeted Drug Delivery Systems: Recent Trends and*

Clinical Evidences; Editors Pathak, Yashwant & Islam, Nazrul; CRC Press, Taylor & Francis Group of Publications, UK, London. 1st Edition; pp.361-385. DOI: 10.1201/9781003046547-25

9. Nayanmoni Boruah, *Himangshu Sarma*, Hemanta K. Sharma (2019). **Computational formulation development and drug delivery**. In: Advances in Science and Technology; Editors Kakati, Bharat & Bora, Dhiraj; *i-manager Publications*: India. Vol. I; pp. 191-194.

PARTICIPATION IN NATIONAL LEVEL SEMINARS/ CONFERENCES/ WORKSHOP

1. Entitle of **“The computational approach for human in silico drug design tools to augment CVDs management”** presented at the **National seminar on “Integration of Traditional Herbal medicines of NE India in Clinical Practice: Importance, Challenges & Future”**; held at the Department of Pharmaceutical Sciences, Dibrugarh University, Organized by the Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh -786004 on 4-5th, November 2022.
2. Entitle of **“Comparative Phytochemical screening and Free Radical Scavenging Ability of five Species of genus Clerodendrum”** presented at **5th World Congress on Drug Discovery and Development- 2021**; Organized by Arjyopa, New Delhi on 25-26th, September 2021.
3. Entitle of **“An Experimental investigation for the possibility of a Novel Gastro-Retentive Raft Liquid Dosage Form for the treatment of Helicobacter pylori infection (DRPI – 21)”** Presented an oral presentation on Scientific Competition for Young Researchers; Organized by Society for Pharmaceutical Dissolution Science (SPDS) in collaboration with American Association of Pharmaceutical Scientists & Association of Pharmaceutical Teachers of India, July 10th -11th & 17th 2021 (Semi-final & Final).
4. Participated in the conclave and Techno-fair for **“Transforming Meghalaya state through Science & Technology Interventions”** organized by *NECTAR shillong Meghalaya* at State Convention Centre, Shillong, Meghalaya on 9-10th April 2021.
5. Entitle of **“Multiphase Use of Natural Fiber Extracted for Musa balbisiana Colla: A Potential Medicinal Plant in Northeast, India”** presented at **3rd National Conference on Recent Advances in Science and Technology (NCRAS-2020 under TEQIP –III)** held at Assam Science & Technology University, Guwahati, Assam -781014 on August 17-19th, 2020.
6. Participated at **107th Indian Science Congress on “Science and Technology: Rural Development (ISC – 2020)”** held at the University of Agricultural Sciences, GKVK Campus, Bangalore, Karnataka-560065, January 03-07th, 2020.
7. Entitle of **“Toxicity and Challenges of Nanopharmaceuticals”** presented at **National Seminar on Emerging Global Trends in Pharmaceutical Nanotechnology** held at Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh -786004, November 23-24th, 2018.
8. Entitle of **“In vitro Evaluation of Antibacterial Properties of Essential Oil and Extracts of the Fruits of Zanthoxylum Acanthopodium Dc. Harvested from Meghalaya, India”** presented an oral presentation at DBT sponsored **“National Seminar on Indian Tribal Medicinal Plants Research: Challenges & Prospects (ITMPR – 2018)”** held at Department of Pharmacy, Indira Gandhi National Tribal University, Amarkantak, Madhya Pradesh - 484886, April 28-29th, 2018.
9. Entitle of **“Computational Pharmaceutical Formulation Designing & Delivery”** presented at **National Conference on Recent Advances in Science and Technology (NCRAS-2018 under TEQIP -III)** held at Assam Science & Technology University, Guwahati - 781013, March 15-17th, 2018.

10. Entitle of “**Application of carbon nanotube in drug delivery**” presented at “*National Seminar on Natural Resources for Drug Discovery and Development*” held at Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh -786004, February 24-25th, 2018.

TRAINING AND EXPERIENCE

1. One-week **Training program** on “*Sophisticated Instruments used in Scientific Research*” under the project of Synergistic Training Program Utilizing the Scientific & Technological Infrastructure (STUTI), Department of Science & Technology (DST), Government of India, New Delhi, held on September 07-13th, 2022 at IASST, Guwahati, India 781035.
2. One-day hands-on **Training program** on “*Application of RT-PCR in R& D*” Organized by Girijananda Choudhury Institute of Pharmaceutical Science (GIPS-Guwahati), held on March 16th, 2021, at GIPS, Guwahati, India 781017.
3. Two-day hands-on **Training program** on “*Application of HPTLC in R& D*” Organized by Anchrom Enterprises P. Ltd. Mumbai, India held on January 7-8th, 2021.
4. Two-week **DBT-NER Training program** on “*Gene Cloning, Protein Biochemistry, Structure Biology & Bioinformatics*” under Department of Biotechnology, Ministry of Science & Technology, Government of India, New Delhi, held on February 17-28th, 2020 at ACTREC, Navi-Mumbai, India 410210.
5. Two-week **Industrial Training & experience** in Q.C & Microbiology section of Tablets & Parenteral in the Regional Drug Testing Laboratory, Guwahati, Assam- 781037.

PROJECT WORK

1. The project entitles “*Evaluation of antioxidant and anti-hyperlipidemic properties of few selected medicinal plants used by the tribal population of Goalpara district, Assam*” was completed as a **Senior Research Fellow** (From December 2019 to June 2022; Duration-31 months) under the guidance of **Dr. Rajlakshmi Devi; Professor, Life Sciences Division, Institute of Advanced Study in Science & Technology**, Guwahati, under the sponsorship of Department of Biotechnology (DBT) under the Ministry of Science and Technology, Government of India, New Delhi, India (No.- BT/PR25613/NER/95/1266/2017, dated September 18th, 2019).
2. The project entitles “*Formulation and Evaluation of Novel Gastro-retentive Raft Liquid Delivery System for Oral administration of Metronidazole*” was completed in the Department of Pharmaceutical Sciences, Dibrugarh University, Assam, India, in partial fulfillment for the award of **Master of Pharmacy** (Pharmaceutics; from July 2018 to July 2019; Duration-12 months) of Dibrugarh University, Dibrugarh under the guidance of **Dr. Hemanta Kumar Sharma**; Associate Professor.

DECLARATION

I do hereby declare that the information furnished here is true to the best of my knowledge.

Signature

Dated August 21, 2024