

## Dr. Supriya Sahu

---

### Work Address:

Associate Professor  
School of Pharmaceutical Science  
Girijananda Chowdhury University  
Girijananda Chowdhury Institute of Pharmaceutical Sciences  
Tezpur-784501, Assam, India  
Contact No: +916002976455; +91 9435434337  
E-mail: [supsjrt@gmail.com](mailto:supsjrt@gmail.com)



### Carrier Objective:

To put my current knowledge, learning and experience for the development of the organization as well as for the welfare of the society and at the same time to enhance them for the challenges ahead.

### Educational Qualification:

Name of examination	Board/ University	School/ College	Percentage/ grade points secured	Div	Year
10 <sup>th</sup> Standard	SEBA	Govt. Girls' H.S. School; Jorhat, Assam	82.5% (Distinction)	1 <sup>st</sup>	2004
12 <sup>th</sup> Standard	AHSEC	J.B. College; Jorhat, Assam	80.2%	1 <sup>st</sup>	2006
B. Pharm	Dibrugarh University	Department of Pharmaceutical Sciences, Dibrugarh University, Assam	73.58% (First Class Second)	1 <sup>st</sup>	2010
M. Pharm	Dibrugarh University	Department of Pharmaceutical Sciences, Dibrugarh University, Assam	87% (First Class Second)	1 <sup>st</sup>	2013
Ph. D.	Dibrugarh University	Department of Pharmaceutical Sciences, Dibrugarh University, Assam	Awarded (Submitted)	-- --	2017 (2016)
GPAT	AICTE	--	Qualified	--	2011

**Others:** Professional Diploma in Clinical Research (PDCR)

### Professional Experience:

1. Currently working as Associate Professor in Pharmaceutical Chemistry, Girijananda Chowdhury Institute of Pharmaceutical Sciences, Girijananda Chowdhury University, Tezpur, Assam.
2. Assistant Professor in Dept. of Pharmaceutical Sciences, Dibrugarh University, Assam since August 2018 to February 2023.
3. Guest faculty in Dept. of Pharmacy, RIPANS, Aizawl since August 2016 to May 2018.
4. JRF/SRF in DBT funded project, Dept. of Pharmaceutical Sciences, Dibrugarh University, Assam from August 2013 to July 2016.

**M. Pharm Student guided:** 3

**Ph. D Student guided:** 1 (undergoing)

### Professional Membership:

- Registered as a Pharmacist under Assam Pharmacy Council with registration no. 12447
- Life member of Indian Pharmaceutical Association (ASS/GUWA/LM/0051)
- Institution's Innovation Council committee member of Girijananda Chowdhury University, Assam.
- Departmental Research Committee member of Girijananda Chowdhury University, Assam.

### Teaching Experience (courses taught):

- Medicinal Chemistry (B. Pharm)
- Pharmaceutical Organic Chemistry (B. Pharm)
- Biochemistry (B. Pharm)
- Pharmaceutical Analysis (B. Pharm)
- Research Methodology (M. Pharm)
- Advanced Organic Chemistry (M. Pharm)
- Process Chemistry (M. Pharm)
- Chemistry of Natural Products (M. Pharm)
- Pharmaceutical Jurisprudence (B. Pharm)
- Social Pharmacy (B. Pharm Practice)

### Research Interests:

- Target specific drug design
- Microwave assisted organic synthesis
- Computer aided drug designing, QSAR, Docking

### Research areas:

- Ph.D. research area "*In-silico* studies, synthesis and antimalarial evaluation of hybrid Phenyl thiazolyl triazine derivatives": Completed under the supervision of Prof. S. K. Ghosh, Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh, Assam.
- M. Pharm research area "Structure based drug designing and synthesis of 4-aminoquinoline-triazine derivatives".

### Research Papers Published:

In referred/peer reviewed journals (IF= Impact Factor):

- Sahariah M, Chowdhury R, Pegu P, Ali F, Dutta RS, **Sahu S** (2024) Design, synthesis and in-vitro anti-depressant activity evaluation of some 2-styrylbenzimidazole derivatives. *Futur J Pharm Sci* **10**, 20. DOI: <https://doi.org/10.1186/s43094-024-00589-2>. IF 2.5.
- Dutta RS, **Sahu S**, Baishya R, Pachuau L, Kakoti BB, Mazumder B (2023) Essential oils extracted from *Citrus macroptera* and *Homalomena aromatica* (Spreng.) Schott. exhibit repellent activities against *Aedes aegypti* (Diptera: Culicidae). *Journal of Vector Borne Diseases* DOI:10.4103/0972-9062.392256. IF 0.5.
- **Sahu S**, Chowdhury R, Sahariah M (2023) A Review on the Structural Features of Benzimidazole Derivatives as Bacterial Topoisomerase Inhibitors. *Pharmaceutical Sciences*, vol 3 (1), eISSN No.: 2582-8371.
- Ansari SH, **Sahu S**, Shakya A, Ghosh SK, Singh UP, Bhat HR (2022) Aminoquinoline-triazine Conjugates: Design, Synthesis, Antibacterial Activity and SAR Analysis. *Letters in Drug Design & Discovery* DOI: 10.2174/1570180819666220420084401 vol 20 (3). IF 1.099
- Dutta RS, **Sahu S**, Majumder B (2021) A Review on Bioactive Constituents of Essential Oils as Mosquito Repellent. *Current Bioactive Compounds* DOI: 10.2174/1573407218666211231124107 vol 18 (5)

- **Sahu S**, Ghosh SK, Kalita JM, Ginjupalli MC, Kranthi RK (2020) Discovery of potential 1,3,5-Triazine compounds against strains of Plasmodium falciparum using supervised machine learning models. *European Journal of Pharmaceutical Sciences* 144: 105208 <https://doi.org/10.1016/j.ejps.2019.105208> IF 5.112
- **Sahu S**, Ghosh SK, Gahtori P, Pratap Singh U, Bhattacharyya DR, Bhat HR (2019) In silico ADMET study, docking, synthesis and antimalarial evaluation of thiazole-1,3,5-triazine derivatives as Pf-DHFR inhibitor. *Pharmacological Reports* 71 (5): 762-767. DOI: [10.1016/j.pharep.2019.04.006](https://doi.org/10.1016/j.pharep.2019.04.006) IF 4.4
- Kalita JM, Ghosh SK, **Sahu S**, Dutta M (2017) Rational Design and Microwave Assisted Synthesis of Some Novel Phenyl Thiazolyl Clubbed s-Triazine Derivatives as Antimalarial Antifolate. *Future Journal of Pharmaceutical sciences* 3(1): 11-17. <https://doi.org/10.1016/j.fjps.2016.09.004> IF 2.6
- Gahtori P, Pandey R, Kumar V, Ghosh SK, Das A, Kalita JM, **Sahu S**, Prakash A, Bhattacharyya DR (2016) Toward resistance-compromised DHFR inhibitors part 1: Combined structure/ligand-based virtual screenings and ADMETox profiling. *Journal of Chemometrics* 30 (8): 462-481. <https://doi.org/10.1002/cem.2814> IF 2.500
- **Sahu S**, Ghosh SK, Ghoshal A, Kalita J, Gahtori P, Bhattacharyya DR (2016) Microwave assisted synthesis, antimalarial screening and structure–activity-relationship exploration of some phenylthiazolyl-triazine derivatives against dihydrofolate reductase. *Medicinal Chemistry Research* 25 (12): 2916-2923. [10.1007/s00044-016-1714-8](https://doi.org/10.1007/s00044-016-1714-8) IF 2.6
- **Sahu S**, Ghosh SK, Kalita J, Dutta M, Bhat HR (2016) Design, synthesis and antimalarial screening of some hybrid 4-aminoquinoline-triazine derivatives against pf-DHFR-TS. *Experimental Parasitology* 163: 38-45. [10.1016/j.exppara.2016.01.010](https://doi.org/10.1016/j.exppara.2016.01.010) IF 2.1
- Phukan M, Saharia M, **Sahu S** (2022) Study of curcumin content and adulterants present in different marketed brands of turmeric powder. *Current Trends in Pharmaceutical Research*, 8 (2).
- **Sahu S** (2019) Over expressed receptors and strategies for targeting cancer cases prevalent in Northeast India. *Current Trends in Pharmaceutical Research*, 6 (1): 145-153.
- Kalita JM, Ghosh SK, **Sahu S**, Dutta M (2015) A statistical analysis to find out an appropriate docking method. *Asian Journal of Pharmaceutical and Clinical Research*, 8 (1): 158-160. ISSN: 0974-2441.
- Kalita JM, Ghosh SK, **Sahu S**, Dutta M, Bhat HR (2015) Docking and crystal structure analysis of some phenyl thiazolyl triazine derivatives with quadrupole mutant *pfldhfr-ts* enzyme and their synthesis. *World Journal of Pharmacy and Pharmaceutical Sciences*; 4 (2): 1040-1049. ISSN: 2278 – 4357.

#### **Book Chapters/Book published by International publishers with ISBN:**

- Das A, Pathak K, Pathak M, Chattopadhyay P, Saikia R, **Sahu S**, Gogoi U; Enzyme inhibition in Recent Advances in Pharmaceutical Sciences; (2020); ISBN 978-93-90217-69-4; E-Book ISBN 978-93-90217-70-0; 01-37. AkiNik Publications.
- Pachua L, Devi CM, Goswami A, **Sahu S**, Dutta RS; Seed Oils as a Source of Natural Bioactive Compounds in Natural Bio-active Compounds; Vol. 1 (2019); ISBN 978-981-13-7153-0; 209-235. Springer Singapore.
- **Sahu S**, Ghosh SK; Structure Based Drug Design – A practical Approach (2014); LAP Lambert Academic Publishing; ISBN 978-3-659-50654-3.

#### **Resource Person:**

- National seminar on Current Research in Drug Discovery and Development, 13-14 November, 2019, Dibrugarh University.
- Resource person on the orientation training program on the topic ‘Patient Counselling’ organised by Indian Diploma Pharmacist’s Association at Dibrugarh, held on 28<sup>th</sup> September, 2019.

**Papers in Conferences/Seminars/workshops as conference proceeding:**

- Chowdhury R, **Sahu S**; *Amaranthus species*: potentially diversified and yet to be discovered; Abstract volume published in the **National** Seminar on “Integration of Traditional Herbal medicines of NE India in Clinical Practice: Importance, Challenges and Future” held on 4<sup>th</sup> and 5<sup>th</sup> November, 2022 by Department of Pharmaceutical Sciences, Dibrugarh University in collaboration with Research Institute of World’s Ancient Traditions Cultures and Heritage (RIWATCH), Roing, Arunachal Pradesh.
- Dey R, Shakya A, **Sahu S**; Screening of *in-vitro* Anti-Diabetic Activity of Selected Plants of Assam; Abstract volume published in the 4<sup>th</sup> **International** Conference on Nutraceuticals and Chronic Diseases, held at IIT Guwahati, 23-25<sup>th</sup> September, 2019, pp-185.
- **Sahu S**, Ghosh SK, Ghoshal A, Kalita JM, Gahtori P; Microwave Assisted Synthesis, Antimalarial Screening and SAR Exploration of some 2-amino-4-phenylthiazole clubbed 1,3,5-Triazine Derivatives; Abstract volume published in **National** Seminar on Advances of Bioinformatics and Computational Biology in Applied Biotechnology, NEHU, Tura campus; 5<sup>th</sup> October 2015, pp-12.
- **Sahu S**, Ghoshal A, Kalita JM, Ghosh SK; Computational Study and Synthesis of some hybrid phenyl thiazolyl-1,3,5-triazines as lead for newer antimalarial agents; Abstract volume published in **International** Conference on Harnessing the sub-Himalayan Plant Diversity for human Welfare, Dibrugarh University; 11-13<sup>th</sup> March 2015, pp-65.
- **Sahu S**, Ghosh SK, Kalita JM, Dutta M; Computational Studies, Synthesis and Antimalarial Activity Analysis of Hybrid 4-Aminoquinoline-Triazine Derivatives; Abstract volume published in **National** Seminar on RTFACS, Dibrugarh University; 19-21<sup>st</sup> Nov 2014, pp-111.
- **Sahu S**, Ghosh SK, Kalita JM, Dutta M; Computational Studies of Hybrid 4-Aminoquinoline-Triazine Derivatives as PfDHFR-TS inhibitors by using QSAR models and their Interaction Energy Analysis; Abstract volume published in **National** Seminar on RACR, Rajiv Gandhi University; 20-21<sup>st</sup> March 2014, pp-63.
- Kalita JM, Ghosh SK, **Sahu S**, Dutta M; Design, Virtual Screening, Synthesis and Evaluation of *in-vitro* Antimalarial activity of some Hybrid Phenylthiazolyl Triazine Derivatives against *Plasmodium falciparum*; Souvenir published in 8<sup>th</sup> mid-year **National** Symposium in Chemistry, NEIST Jorhat; 10-12<sup>th</sup> July 2014, pp-50.
- Kalita JM, Ghosh SK, **Sahu S**; Rational Approach to Find Some Phenyl Thiazolyl Triazine Derivatives as Pf DHFR Inhibitor; Bulletin of Pharmaceutical Research; published in 4<sup>th</sup> APP Annual **National** Convention, UP, ISSN: 2249-6041 (Print); ISSN: 2249-9245 (Online); 31<sup>st</sup> January 2015, pp-B8.
- Kalita JM, Ghosh SK, **Sahu S**, Dutta M; Search of an Accurate and Reliable Docking Protocol: A Comparative Statistical Study; Bulletin of Pharmaceutical Research; published in 3<sup>rd</sup> APP Annual **National** Convention, Gujrat, ISSN: 2249-6041 (Print); ISSN: 2249-9245 (Online); 18<sup>th</sup> January 2014, pp-D84.
- Kalita JM, Ghosh SK, **Sahu S**, Dutta M; Modeling and interaction energy analysis of some substituted phenyl thiazolyl derivatives with Quadrapole mutant PFDHFR enzyme and their

synthesis; Souvenir of SBCADD, Karaikudi, Tamilnadu; 18-21<sup>st</sup> February 2014; ISBN: 978-93-80657-18-9; pp-74.

**Workshops/FDP attended:**

- Participated in two days symposium for Young Women Engineers on “*Technologies for Sustainable Developments in North-Eastern Region*” from 20<sup>th</sup> to 21<sup>st</sup> November, 2023 organized by Tezpur University, Assam in collaboration with Indian National Academy of Engineering. **(Sponsored by SERB)**
- Participated in **five day Faculty Development Programme** on “*Advances in Research Methodology*” from 22<sup>nd</sup> May to 26<sup>th</sup> May, 2023 organized by Royal Global University, Guwahati, Assam.
- Participated in the **AICTE-SPICES sponsored one day workshop** on *Animal Experimentation in Research- an overview* organised by Department of Pharmaceutical Sciences, Dibrugarh University, Assam on 8<sup>th</sup> April, 2022.
- Participated in the online **Short Term Training Programme** sponsored by the AICTE and organised by the Department of Pharmaceutical Sciences, Dibrugarh University, Assam during 26<sup>th</sup> to 31<sup>st</sup> July, 23<sup>rd</sup> to 28<sup>th</sup> August and 27<sup>th</sup> September to 2<sup>nd</sup> October 2021.
- Participated in the 4<sup>th</sup> **International** Conference on *Nutraceuticals and Chronic Diseases*, held at IIT Guwahati, 23-25<sup>th</sup> September, 2019.
- Participated in the Hands-on Training Workshop on *Medical Imaging: Preclinical Imaging in Drug Discovery* organised by DBT-NER Biotechnology/Bioinformatics Training Centre, Tata Memorial Centre, ACTREC, Navi Mumbai, 14-18<sup>th</sup> January, 2019. **(DBT-NER sponsored)**
- Participated in **National** workshop on *Molecular Docking, Virtual Screening & Computational Biology* held in RIPANS, Aizawl, 18<sup>th</sup>-22<sup>nd</sup> June, 2018.
- Participated in ‘Entrepreneurship Development for Pharmacy Students’ held at Aizawl 14<sup>th</sup> June, 2017. **(Regional)**
- Participated in one-day workshop on patent search organized by IPR Cell Dibrugarh University, 23<sup>rd</sup> November 2015. **(Local-University level)**
- Participated in workshop on ‘Pure Water & Analytical Solution for your laboratory’ at Dibrugarh University on 6<sup>th</sup> May, 2014. **(Local-University level)**

**Personal details**

**Specialization:** Pharmaceutical Chemistry.

**Father’s Name:** Mr. S. N. Sahu

**Date of Birth:** 29<sup>th</sup> Nov, 1988.

**Marital Status:** Married.

**Permanent Address:**

D/o Mr. S. N. Sahu

No.3 Sensua Path

Near Barua Surgical Centre

P. O. Borbheta; Pin- 785004

Jail Road, Jorhat, Assam.

**Languages Known:** English, Hindi, Assamese, Bhojpuri and Bengali.

**Best Question asker in the**

- Participated in workshop on ‘Intellectual Property, Technology Management and Entrepreneurship’ at Dibrugarh University, 18<sup>th</sup> February, 2013. **(Local-University level)**
- Attended Workshop on *Structural Bioinformatics* held in Dibrugarh University, 26<sup>th</sup>-28<sup>th</sup> September, 2012. **(Local-University level)**
- Attended **International** Symposium on *Sustainable Public Health Practices for Good Health, Peace and Prosperity* held in Dibrugarh University, 24<sup>th</sup> February, 2012.
- Attended **National** Seminar on *Pharmacovigilance for Assuring Drug Safety* held in Dibrugarh University, 26<sup>th</sup>-27<sup>th</sup> November, 2011.

**Children’s Science Festival held by  
The Dainik Janambhumi, Assam  
in March 2001**

#### **Other involvements:**

- External Examiner for the D.Pharm Part-I & II (Regular & Supplementary) Examination (October, 2022) in the subject of Pharmaceutical Chemistry, held in the Assam Pharmacy Institute, Titabor, Jorhat on 31<sup>st</sup> October and 9<sup>th</sup> November, 2022 under Srimanta Sankaradeva University of Health Sciences, Guwahati.
- External Examiner for the B.Pharm 2<sup>nd</sup> semester Practical Examination in the subject of Biochemistry held on 18<sup>th</sup> and 19<sup>th</sup> July 2022 at Girijananda Chowdhury Institute of Pharmaceutical Sciences, Guwahati.
- External Examiner for the D.Pharm 1<sup>st</sup> and 2<sup>nd</sup> year (Regular & Supplementary) Examination (July, 2022) in the subject of Social Pharmacy, Biochemistry & Clinical Pathology and Hospital & Clinical Pharmacy, held in the Apex Professional University, Pasighat, Arunachal Pradesh on 20<sup>th</sup> and 23<sup>rd</sup> July, 2022.
- External Examiner for the D.Pharm Part-I (Regular & Supplementary) Examination (December, 2021) in the subject of Biochemistry and Clinical Pathology, held in the Assam Pharmacy Institute, Titabor, Jorhat on 25<sup>th</sup> January, 2022 under Srimanta Sankaradeva University of Health Sciences, Guwahati.
- External Practical Examiner in Medicinal Chemistry-II, Pharmaceutical Analysis-III, Heterocyclic and Natural Product chemistry, Pharmaceutical Microbiology on 22-24<sup>th</sup> May, 2019 for 2<sup>nd</sup>, 4<sup>th</sup> and 6<sup>th</sup> Semester B. Pharm Practical Exam in RIPANS under Mizoram University.
- External Practical Examiner in Medicinal Chemistry-I, Pharmaceutical Analysis-I and Pharmaceutical Inorganic Chemistry on 10-13<sup>th</sup> December, 2018 for 1<sup>st</sup>, 3<sup>rd</sup> and 5<sup>th</sup> Semester B. Pharm Practical Exam in RIPANS under Mizoram University.
- External Practical Examiner in Medicinal Chemistry-II, Pharmaceutical Analysis-II, Heterocyclic and Natural Product chemistry, Pharmaceutical Organic Chemistry on 8<sup>th</sup>, 9<sup>th</sup> and 11<sup>th</sup> June, 2017 for 2<sup>nd</sup>, 6<sup>th</sup> and 8<sup>th</sup> Semester B. Pharm Practical Exam in RIPANS under Mizoram University.
- External Practical Examiner in Pharmaceutical Analysis-I, Pharm. Inorganic Chemistry and Medicinal Chemistry-I on 19<sup>th</sup> & 20<sup>th</sup> December, 2016 for 1<sup>st</sup>, 3<sup>rd</sup> & 5<sup>th</sup> Semester B. Pharm Practical Exam in RIPANS under Mizoram University.
- External Practical Examiner in Pharmaceutical Biochemistry on 5<sup>th</sup> February, 2016 for 5<sup>th</sup> Semester B. Pharm Practical Exam in RIPANS under Mizoram University.

- Data Entry Operator in Dept. of Extension Education, AAU, Jorhat, Assam in 2011.

**Responsibilities:**

- **Organizing committee member** of two day **National Seminar** on “Integration of Traditional Herbal medicines of NE India in Clinical Practice: Importance, Challenges and Future” held on 4<sup>th</sup> and 5<sup>th</sup> November, 2022 by Department of Pharmaceutical Sciences, Dibrugarh University in collaboration with Research Institute of World’s Ancient Traditions Cultures and Heritage (RIWATCH), Roing, Arunachal Pradesh.
- **Administrative responsibility:** Worked as **Warden** of New Girls’ Hostel, Dibrugarh University, Assam in May, 2020 till February 2023.
- **Editorial board member of** *Current Trends in Pharmaceutical Research* and *Pharma News Letter*.
- **Involved in taking classes of B. Pharmacy (Practice) Course.**
- **Involved in setting question papers, evaluation, departmental and other invigilation duties.**
- **Involved in organizing committee member of National conference, PharmaNano-Tech, 2018.**
- **Involved in organizing committee member of National seminar on Current Research in Drug Discovery and Development, 13-14 November, 2019.**

**Declaration:**

I hereby declare that all the above-mentioned facts and information are true to the best of my knowledge. I will solely be responsible for any discrepancy found in them.

DATE:

PLACE:

Supriya Sahu