

**CURRICULUM VITAE**  
**Dr. Sudarshana Borah**  
**Contact No.: 9954603711 (Mobile)**  
**E-mail: shonapharma@gmail.com**



**ACADEMIC QUALIFICATIONS**

<b>DEGREES</b>	<b>INSTITUTION / BOARD</b>	<b>PERCENTAGE / CGPA</b>	<b>YEARS OF PASSING</b>
Ph.D.	Department of Pharmaceutical Sciences, Dibrugarh University	Awarded	2021
M. Pharm (GPAT Qualified with Stipend)	Department of Pharmaceutical Sciences, Dibrugarh University	CGPA= 8.13 (81.3 %)	2013
B. Pharm	Department of Pharmaceutical Sciences, Dibrugarh University	68.02 %	2011
H.S.	(Salt Brook Academy) A.H.S.E.C	72.6%	2006
H.S.L.C.	(Little Flower School) S.E.B.A	78.67%	2004

**GPAT QUALIFIED: All India Rank - 9000, Year – 2011.**

**RESEARCH AND TEACHING EXPERIENCE: 8 YEARS**

**POSITION HELD: VICE PRINCIPAL AND ASSOCIATE PROFESSOR, SCHOOL OF PHARMACEUTICAL SCIENCES, UNIVERSITY OF SCIENCE AND TECHNOLOGY, MEGHALAYA (USTM).**

**ADDITIONAL ROLES: IQAC CO-ORDINATOR; SOCIAL MEDIA CO-ORDINATOR; CONVENOR OF DEPARTMENTAL COMMITTEE MEETING; MEMBER SECRETARY OF SCHOOL RESEARCH COMMITTEE; EVENT MANAGEMENT FORUM CO-ORDINATOR.**

**Ph.D. thesis title:** Investigation on the Neuroprotective Efficacy of *Curcuma caesia* Roxb.,  
Indigenous to Northeast India

**Guide's Name:** Prof. (Dr.) Hemanta Kumar Sharma, Professor, Department of Pharmaceutical Sciences, Dibrugarh University.

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**ORAL PAPERS PRESENTED**

- **STATE LEVEL:** Paper entitled “Immunophenotyping analysis on latent and active T.Bpatients: A Comparative assessment”, Sudarshana Borah, Nagen Tairai, Soni Begum, Dr. Gargi Choudhury, Dr. Lahari Saikia at Assam Microcon Scientific Program held on 2nd and 3rd September, 2016 organized by Assam Medical College & Hospital, Dibrugarh, Assam. Theme: Clean Hospital: Safe Hospital: Protect Environment.
- **NATIONAL LEVEL:** Paper entitled “Analysis on the Global Influence of Alzheimer’s Disease: The Current and Future Scenario”, H.K Sharma and Sudarshana Borah, at National Seminar on “Recent Trends in Theoretical and Applied Statistics – II (RTTAS-II) held during 24th - 25th March, 2017 organized by Department of Statistics, Dibrugarh University, Dibrugarh, Assam.
- **INTERNATIONAL LEVEL:** Paper entitled “Oxidative trauma in the pathogenesis of Alzheimer’s disease and the diverse effects of natural sources from Northeast India in its management”, Sudarshana Borah and H.K Sharma, at International Symposium on “Biodiversity and Biobanking” held during 27th- 29th January, 2018 organized by Centre for the Environment, Indian Institute of Technology (IIT), Guwahati-781039, Assam.
- **NATIONAL LEVEL:** Paper entitled “Free radical scavenging and Butyrylcholinesterase inhibitory activity of essential oil of *Curcuma caesia* indigenous to Northeast India” Sudarshana Borah and H.K Sharma, at National Conference held on 25th August, 2018, NIPER-Guwahati-781125, Assam.
- **INTERNATIONAL LEVEL:** Paper entitled “Neuroprotective potential of essential oil isolated from *Curcuma caesia* as a novel loom to treat Hypoxia”, Sudarshana Borah and H.K Sharma, at 5th International Young Scientist Congress, held during 8th- 9th May, 2019 organized by International Science Community Association at Mid-Western University, Surkhet, Nepal.
- **NATIONAL LEVEL:** Paper entitled “Metagenomic, Biochemical and Behavioural profile by *Curcuma caesia* in amnesic rats: A novel loom to develop herbal neuro medicine”, Sudarshana Borah and H.K Sharma, at National Seminar on “Current research in drug discovery and development”, held during 13th-14th November, 2019 organized by Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh-786004, Assam.
- **RESOURCE PERSON:** Invited as a Resource person at the 8th International Virtual Congress (IVC-2021), on August 5th-10th, 2021 on a paper entitled ‘Herbs and Spices of Northeast India as Therapeutics’, organized by International Science Community Association.
- **RESOURCE PERSON:** Frontier Novelties in Pharmaceutical Sciences, 4th International Conference on Pharmaceutical Research and Innovations in Pharma Industry, Vancouver Canada, on November 12th-13th, 2021 on a paper entitled ‘Herbs of Northeastern Region of India as neuroprotectives against Alzheimer’s Disease.

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- **RESOURCE PERSON:** As a resource person at a Webinar by Society of Pharmaceutical Sciences and Research (SPSR) on paper entitled ‘Traditional Knowledge to Translational Research’ (Upcoming).

**POSTERS PRESENTED**

- Paper entitled “Evaluation of Anti-oxidant activity of *Corchorus olitorius* L. Leaf; Authors: Kabita Mahato, Sudarshana Borah, Kamaruz Zaman, Anup Kumar Das in “National Seminar on, Pharmacovigilance for Assuring Drug Safety”, Dibrugarh University, Assam, November, 2011.
- Paper entitled “Antihyperglycemic effect of shoot of *Calamus leptospadix* Griff.- an ethnomedicinal plant of Assam on streptozotocin induced type-2 diabetic rats: An ethnomedicinal plant of Assam” Authors: Sudarshana Borah, Bibhuti Bhusan Kakoti, Barnali Gogoi, in 32nd Foundation Day Celebration week (12th -18th July 2014) Organized by Regional Medical Research Centre for NE Region (ICMR), Dibrugarh held on 18th July, 2014.
- Paper entitled “Anti-arthritic potential of leaves of *Lasia spinosa* Thwaites”. Authors: Bibhuti Bhusan Kakoti, Mritunjay Kumar Gupta, Kabita Mahato, Sudarshana Borah, Sonjit Das, Prodyut Mondal at IPSCON- 2014, GMCH, NIPER on December 28th - 30th, 2014.
- Paper entitled “Comparative effectiveness of the anti-hyperglycemic and hypolipidemic potential of two ethnomedicinal plants of Assam”, Sudarshana Borah at 4th Indian National Seminar on 13th March, 2015, Organized by Asian Network of Research on Anti-diabetic Plants (ANRAP) in Diabetes: Prospects & Challenges by ANRAP & Dibrugarh University, Assam.
- Paper entitled “A Comparative Estimation of in-vitro acetylcholine esterase inhibitory activity by essential oil and different crude extracts of *Curcuma caesia* Roxb. related to the treatment of Alzheimer’s disease”, H.K Sharma and Sudarshana Borah at 4th International Congress of the Society for Ethnopharmacology, India: “Healthcare in 21st Century: Perspectives of Ethnopharmacology and Medicinal Plant Research” held in 23rd to 25th February, 2017, at UkaTarsadia University, Bardoli, Gujarat, India.
- Paper entitled “A Comparative Study of the Phenol content and Antioxidant activity between different fractions and essential oil of *Curcuma caesia* Roxb. indigenous to Northeast India”, Sudarshana Borah and H.K Sharma at National workshop on, Translational Research on Natural Products for Therapeutic Uses, organized by Northeast chapter on Indian Society of Translational Research (ISTR), New Delhi on 21/11/2017 at Institute of Advanced Study in Science and Technology (IASST), Guwahati – 35.

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- Paper entitled “Chemical profiling of the essential oils of *Zanthoxylum acanthopodium* DC. and *Curcuma caesia* Roxb., Sudarshana Borah and H.K Sharma at National Seminar on “Natural Resources for Drug Discovery and Development” held during, 24th - 25th February, 2018 at Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh-786004, Assam.
- Paper entitled “Neuroprotective potential of essential oil isolated from *Curcuma caesia* as a novel loom to treat Hypoxia”, Sudarshana Borah and H.K Sharma at 5th International Young Scientist Congress, held during 8th- 9th May, 2019 organized by International Science Community Association at Mid-Western University, Surkhet, Nepal.

**AWARDS**

- ❖ **Secured Second Prize (Trophy and Certificate)** in the Best Scientific paper competition under poster category in Paper entitled “Antihyperglycemic effect of shoot of *Calamus leptospadix* Griff.- an ethnomedicinal plant of Assam on streptozotocin induced type-2 diabetic rats: An ethnomedicinal plant of Assam” in 32nd Foundation Day Celebration week (12th-18th July 2014) Organized by Regional Medical Research Centre for NE Region (ICMR), Dibrugarh held on 18th July, 2014.
- ❖ **Best Poster Award (Cash award and Certificate)** in the Paper entitled “Comparative effectiveness of the anti- hyperglycemic and hypolipidemic potential of two ethnomedicinal plants of Assam”, at 4th Indian national Seminar on 13th March, 2015, Organized by Asian Network of Research on Anti-diabetic Plant (ANRAP) in Diabetes: Prospects & Challenges by ANRAP & Dibrugarh University, Assam.
- ❖ **INTERNATIONAL YOUNG SCIENTIST AWARD:** 5th International Young Scientist Congress organized by International Science Community Association on 8th and 9th May, 2019 held at Mid-Western University, Surkhet, Nepal.
- ❖ **YOUNG WOMAN SCIENTIST AWARD:** 5th International Conference on “Advances in Agriculture, Environmental and Biosciences for Sustainable Development”, held on 05-07 August, 2021 Organized by Agro Environmental Development Society.
- ❖ **WOMEN SCIENTIST AWARD:** Awarded with Women Scientist Award on 6th of May, 2023 (Saturday) by Indian Pharmacy Graduates' Association of Madhya Pradesh state branch at the International Conference “Challenges and Opportunities in Future Pharmaceutical Research and Innovations” at DAVV Auditorium, Takshshila Parisar, Khandwa Road, Indore jointly organized by the host institutions Dr. A.P.J Abdul Kalam University, Indore and Indore Institute of Pharmacy, Indore.

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- ❖ **Award of Excellence in Research** by Northeast Research Conclave, University of Science and Technology Meghalaya.
- ❖ **Best Teacher Award, 2023** by Research India Foundation in Bhubaneswar, Odisha, India.
- ❖ **2<sup>nd</sup> Prize at IDEATHON (Cash award and Certificate)** As a Mentor on my work with students entitled 'Potentia: A Multivitamin Boon', organized by Centre for Innovation Incubation and Entrepreneurship, and DOER GLOBAL, on the occasion of Founder's Day, 2023.
- ❖ **1<sup>st</sup> Prize at IDEATHON (Rs. 50,000 Grant, with Cash award and Certificate)** As a Mentor on my work with students entitled 'Development of a Herbal Chewable Dentifrice' awarded by Atal Incubation Centre', NIPER Guwahati. **An MOU has been signed as an Incubatee with NIPER, Guwahati.**
- ❖ **3<sup>rd</sup> Prize at IDEATHON (Cash award and Certificate)** on our work entitled 'ANVAYA', organized by Srimanta Sankardeva Kalakshetra, Guwahati, Assam.

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❖ **FELLOWSHIP AWARDS**

- **GPAT fellowship 2011 under AICTE**
- **DURAT Qualified for Ph.D. in 2014**
- **CSIR SRF Award Letter of File No.-09/857(0010)/2018-EMR-1.**

**PATENTS GRANTED/PUBLISHED: 08**

❖ **FACULTY DEVELOPMENT PROGRAMMES: 07**

**Post Doctoral Research Methodology Certificate by Research India Foundation.**

**Certificate of Appreciation by PCI, New Delhi at Pharma Anweshan at Vigyan**

**Bhawan, New Delhi.**

❖ **CERTIFIED TRAINER OF ASSOCIATE- REGULATORY AFFAIRS AND INTELLECTUAL PROPERTY (IVD and Medical Devices), under Skill India Development, NSDC, Govt. of India.**

❖ **CO-CHAIRPERSON at International Conference on ‘Emerging Frontiers in Biological Sciences: Focus on Climate Change, Agrotechnology and Entrepreneurship, organized by Dept. of Botany, USTM in collaboration with Bodoland University and Botanical Survey of Assam. From 15<sup>th</sup>-17<sup>th</sup> May, 2024.**

❖ **B. PHARM PROJECT STUDENTS GUIDED: 15**

❖ **Ph.D. STUDENTS GUIDED: 03 ONGOING**

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**LIST OF PUBLICATIONS/ABSTRACTS IN INDEXED JOURNALS PUBLISHED ARTICLES**

**RESEARCH PAPERS**

1. Sudarshana Borah, Bibhuti Bhusan Kakoti, Kabita Mahato, Dipankar Chakraborty, Sunita Lahkar, Barnali Gogoi, Nilutpal Sharma Bora, Pharmacognostic investigation and phytochemical studies on the shoot of *Calamus leptospadix* Griff.- an ethnomedicinal plant of Assam; Indian Journal of Natural Products and Resources (Formerly Natural Product Radiance), Vol. 5(4), December 2014, pp. 320-325. Quarterly ISSN: 0976-0512 (Online), ISSN: 0976-0504 (Print).
2. Sudarshana Borah, Bibhuti Bhusan Kakoti, Kabita Mahato, Mritunjay Kumar, Investigation of in-vitro anthelmintic activity of *Calamus leptospadix* Griff. Shoot in Indian Adult Earthworm (*Pheretima posthuma*); Journal of Applied Pharmaceutical Science, June 2013; ISSN- 2231-3354.
3. Mritunjay Kumar, Prodyut Mondal, Sudarshana Borah, Kabita Mahato, Physico- chemical Evaluation, Preliminary Phytochemical Investigation, Fluorescence, and TLC Analysis of Leaves of the Plant *Lasia spinosa* (Lour) Thwaites.; International Journal of Pharmacy and Pharmaceutical Sciences, May 2013; ISSN- 0975- 1491 Page no. 306-310.
4. Dipankar Chakraborty, Sudarshana Borah, Brajesh Shankar, Pratap Parida, Comparative Molecular Docking study on Thymidine Kinase (Herpes virus) to evaluate drug efficacy; Journal of Pharma Research, 25th April 2013; 2(4): 9-13, ISSN-2319-5622.
5. Bibhuti Bhusan Kakoti, Paresh Pradhan, Sudarshana Borah, Kabita Mahato, Mritunjay Kumar, Analgesic and Anti- inflammatory activities of the Methanolic stem bark extract of *Nyctanthes arbor-tristis* Linn.; BioMed Research International, Wiley Online Library, ISSN: 2314- 6133 (Print); ISSN: 2314-6141 (Online). Article ID 826295, Pp. 1-6. Impact Factor: 2.58.
6. Kabita Mahato, Bibhuti Bhusan Kakoti, Sudarshana Borah, Mritunjay Kumar, Evaluation of In-vitro anthelmintic activity of *Heliotropium indicum* Linn. leaves in Indian adult earthworm; Asian Pacific Journal of Tropical Disease, Elsevier, ISSN-2221-1691.
7. Barnali Gogoi, Bibhuti Bhusan Kakoti, Sudarshana Borah, Nilutpal Sharma Bora, Anti Hyperglycemic, and In-vivo Antioxidative activity evaluation of *Cinnamomum bejolghota* (Buch.- Ham.) in streptozotocin-induced diabetic rats: An ethnomedicinal plant of Assam, Asian Pacific Journal of Tropical Biomedicine. Asian Pac J Trop Med 2014; 7 (Suppl 1): S427-S434, Impact Factor: 1.587.
8. Mritunjay Kumar, Kabita Mahato, Sudarshana Borah, Bibhuti Bhusan Kakoti, Prodyut Mondal, A comparative assessment on paralysis and death of Indian adult earthworm (*Pheretima posthuma*) by different aerial extracts of *Lasia spinosa* (Lour) Thwaites, Journal of Pharmacognosy and Phytochemistry. JPP 2015; 4(3): 215-217, E-ISSN: 2278-4136 P-ISSN: 2349-8234.

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9. Kabita Mahato, Bibhuti Bhusan Kakoti, Sudarshana Borah, Mritunjay Kumar, In- vitro antioxidative potential of methanolic aerial extracts from three ethnomedicinal plants of Assam: A Comparative Study, Journal of Applied Pharmaceutical Science Vol. 5 (12), pp. 111-116, December 2015, DOI: 10.7324/JAPS.2015.501219 ISSN 2231- 3354.
10. Barnali Gogoi, Bibhuti Bhusan Kakoti, Nilutpal Sharma, Sudarshana Borah, Pharmacognostic and preliminary phytochemical evaluation of *Cinnamomum bejolghota* (Buch.- Ham.) sweet bark, Indian Journal of Natural Products and Resources, Vol. 7 (1), March 2016 pp. 59-64.
11. A paper entitled “Anti-arthritis potential of leaves of *Lasia spinosa* Thwaites”. Authors: Sudarshana Borah, Bibhuti Bhusan Kakoti, Mritunjay Kumar Gupta, Kabita Mahato, Sonjit Das, Prodyut Mondal at IPSCON- 2014, GMCH, NIPER on December 28-30st, 2014, published at Indian Journal of Pharmacology, Impact Factor; 0.90. [CONFERENCE PROCEEDINGS].
12. A paper entitled “Oxidative trauma in the pathogenesis of Alzheimer’s disease and the diverse effects of natural sources from Northeast India in its management,” Sudarshana Borah and H.K Sharma at International Symposium on “Biodiversity and Biobanking” held during 27th-29th January 2018 organized by Centre for the Environment, Indian Institute of Technology (IIT), Guwahati- 781039, Assam. [CONFERENCE PROCEEDINGS].
13. A paper entitled “In-vitro Antioxidant studies on the methanolic extract of the shoot of *Calamus leptospadix* Griff” Authors: Nilutpal Sarma Bora\*, Bibhuti Bhusan Kakoti, Sudarshana Borah, Barnali Gogoi at the Conference Proceedings of International conference cum exhibition on Drug Discovery and Development from Natural Resources to be held at RIPANS, Aizawl on February 5-6, 2014. [CONFERENCE PROCEEDINGS].
14. Prodyut Mondal, Sonjit Das, Kabita Mahato, Sudarshana Borah, Julfikar Ali Junejo and Kamaruz Zaman, Evaluation of the anti-arthritis potential of the hydro-alcoholic extract of the stem bark of *Plumeria rubra* in Freund’s adjuvant- induced arthritis in rats, International Journal of Pharmaceutical Sciences and Research, Vol. 7(9), 01 September 2016 pp. 3675-3688.
15. Nilutpal Sharma Bora; Bibhuti Bhusan Kakoti; Priyanka Yadav; Barnali Gogoi; Sudarshana Borah. Phyto- physicochemical, acute and subacute toxicity studies of *Garcinia lanceifolia* Roxb.- A rare ethnomedicinal plant of Assam, India. Indian Journal of Natural Products and Resources Vol. 8(4), December 2017, pp. 360- 369.
16. Nayanmoni Baruah, Sudarshana Borah, Priyanka Sarkar, Hemanta Kumar Sharma. Chemical analysis of *Litsea cubeba* essential oil harvested from Arunachal Pradesh, India, and estimation of mosquito repellent activity concerning network analysis. Asian Journal of Pharmaceutical and Clinical Research, Innovare Academic Sciences [Published in May issue, 2019].
17. Sudarshana Borah, Priyanka Sarkar, Hemanta Kumar Sharma. Chemical profiling, free radical scavenging, and anti-acetylcholinesterase activities of essential oil from *Curcuma caesia* of Arunachal Pradesh, India. Phcog. Res. 2020; 12:76-84.
18. Honey Bhuyan, Sujata Paul, Elbethel Hmar, Sudarshana Borah, Ashis Kumar Goswami, Hemanta Kumar Sharma. Isolation, characterization, and study of the



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probiotic activity of the strain obtained from the tea leaf samples collected from Dibrugarh and Nagaon districts of Assam, Curr Trend Pharm Res, 2019, 6 (2): 76-93. 116-119.

19. Sudarshana Borah, Priyanka Sarkar, Hemanta Kumar Sharma. Repurposing *Curcuma caesia* fractions and essential oil for neuroprotective potential against anxiety, depression and amnesia. 3 Biotech, Springer Publishers. Impact Factor: 2.893.

20. Sudarshana Borah, Priyanka Sarkar, Hemanta Kumar Sharma. Zederone improves the fecal microbial profile in dementia induced rat model: A First Report. CNS Neurol Disord Drug Targets, Bentham Science Publishers. Impact Factor: 2.824.

21. Pallab Kalita, Simanta Medhi, Sudarshana Borah, G.K. Bhargav, Faruk Alam. Evaluation of anti-inflammatory and antioxidant activities of *Osbeckia crinite*. Journal of Pharmaceutical Research International. 10th February, 2022; 34 (8B), pp: 34-46.

22. Sudarshana Borah, Bibhuti Bhusan Kakoti, Mritunjay Kumar, Kabita Mahato, Kamalochan Barman, Bhanita Das, Pallab Kalita, Aditya Bora, Innocent Sutnga. Histological Findings of *Lasia spinosa* extract in Arthritis model. Asian Journal of Biological and Life Sciences. 2022,11,2,520- 524.

24. Sudarshana Borah et al., Antioxidant and Antimicrobial effects of the *Streblus asper* Lour., African Journal of Biological Sciences; Vol. 6, issue 6.

25. Sudarshana Borah et al., The Pattern of Bacterial Infections Among Chronic Suppurative Otitis Media Cases at a Tertiary Care Centre in North-East India; Cureus Journal of medical Sciences; SPRINGER NATURE; Impact factor: 1.2; Vol. 16, issue 5

## **REVIEW ARTICLES**

1. Sudarshana Borah and H.K. Sharma, Impact factor of Pharmacy journals: The Indian Scenario; Pharma Times 2010; Vol. 42, Issue 12, 17-19, ISSN- 0031-6849.

2. Sudarshana Borah and H.K. Sharma, Role of copyright protection on academic institutions; Pharma News Letter, September 2012, Vol. 5, Issue 3.

3. Sudarshana Borah and H.K. Sharma, Herbal Capsule Formulation and Development; Pharmatimes, September 2013, ISSN- 0031-6849.

4. Prodyut Mondal, Niroj Bhuyan, Sonjit Das, Mritunjay Kumar, Sudarshana Borah, Kabita Mahato, Herbal Medicines useful for the treatment of Diabetes in North- East India: A Review; International Journal of Pharmacy and Biological Sciences; Jan-Mar 2013, Vol. 3, Issue 1, 575- 589, ISSN- 2230- 7605.

5. Sunita Lahkar, Malay Kumar Das, Sudarshana Borah, An Overview on Tea Tree (*Melaleuca alternifolia*) Oil; International Journal of Pharmaceutical and Phytopharmacological Research (eIJPPR), Impact factor: 0.7826, ISSN (Online)- 2249-6084 (Print)-2250-1029.

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6. Elbethel Hmar, Sujata Paul, Nayanmoni Baruah, Priyanka Sarkar, Sudarshana Borah, Hemanta Kumar Sharma, Apprehending Ulcerative Colitis Management with Springing up Therapeutic Approach: Can Nanotechnology Play a Nascent Role? *Current Pathobiology Reports*, January 2021: 1-25.
7. Sudarshana Borah, Role of Vit. D in targeting cancer and cancer stem cell populations and its therapeutic implications; *Medical Oncology Journal*, Springer. Impact factor: 3.064. 29 Oct 2022, 40(1):2.
8. Sudarshana Borah et al., Potential Therapeutic Compounds derived from plants for the treatment of SARS-CoV-2- A Step Forward, *Biotechnology and Genetic Engineering Reviews Journal*, Taylor and Francis. [ACCEPTED FOR PUBLICATION].
9. Sudarshana Borah et al., Ethnotherapeutic Practices in India, *African Journal of Biological Sciences*; Vol 6, issue 10. Impact Factor: 0.15.
10. Sudarshana Borah et al., A Comprehensive Review on Harbhanga: A Myth or Certitude, *Bulletin of Environment, Pharmacology and Life Sciences Journal*. Vol 12 issue 9.
11. Sudarshana Borah et. al., Mitochondrial dysfunction and oxidative stress in Alzheimer's disease, and Parkinson's disease, Huntington's Disease and Amyotrophic Lateral sclerosis- An updated review. *Mitochondrion*; ELSEVIER. Vol 7 issue 2, Impact Factor: 4.4; 113-1125
12. Sudarshana Borah et. al., In-Silico Investigation on the Inhibitory Effect of Compounds from Essential Oils of *Boesenbergia rotunda* on Sortase-A of *Streptococcus mutans*; *South African Journal of Botany*; ELSEVIER; Impact factor: 3.1.
13. Sudarshana Borah et. al., Revolutionizing Healthcare: The Challenges & Role of Artificial Intelligence and Machine Learning in Healthcare Management Practice; *Frontier in Health Informatics*; Vol. 13: Issue 8.

**OPINION ARTICLES**

1. Priyanka Sarkar, Sudarshana Borah, Hemanta Kumar Sharma. Can Microbial SCFA, Butyrate be the Alternate Savior against Covid-19? *Curr Trend Pharm Res.*, 2020. 7(1): 11-14.

**BOOK CHAPTERS**

1. Sudarshana Borah, Surendra Tripathy, Partha Pratim Kaishap, Bitupan Bhuyan, Dr. H.K Sharma, Dr. Lahari Saikia, "Metal nanoparticles as potent antimicrobial nanomachetes with emphasis on nanogold and nanosilver", published in the book "Design of nanostructures for versatile therapeutic applications", Multi-Volume SET (I-XXVII) "PharmaceuticalNanotechnology- Elsevier," January 2018; Pp: 487-520.
2. Sudarshana Borah, Hemanta Kumar Sharma "Isolation, Characterization of Compound from *Curcuma caesia* Roxb. with Special Reference to Anti-Alzheimer's Study", published in the book "Recent Discoveries in Medicinal and Aromatic Plants in Northeast India, Eastern Book House Publishers (India), ISBN No. 9789388881135; pg. 33-40.
3. Sudarshana Borah, Bazlur Rahman, Aditya Bora, Pallab Kalita; Preparation and standardization of hair serum from medicinal plants available in northeast

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region of India; Mittal publications; 978-93-90692-77-4; Pg. 97-101.

4. Sudarshana Borah et al., An Overview on the Therapeutic Strategies for Covid-19. Book: Healthcare Research and Related Technologies; Springer Nature Publications EBook , ISBN 978-981-99-4056-1 and pg. no. 201.

### **BOOKS**

1. *Calamus leptospadix* Griff.: An Ethnomedicinal antidiabetic plant of Assam; Dr. Sudarshana Borah, Dr. Priyanka Shankarishan and Dr. Bibhuti Bhusan Kakoti; Mahi Publishers, Ahmedabad, India.
2. *Heliotropium indicum*: An Ethnomedicinal antiarthritic plant of Assam; Dr. Sudarshana Borah, Dr. Bibhuti Bhusan Kakoti; Kabita Mahato, Bhanita Das and Kamalochan Barman; Mahi Publishers, Ahmedabad, India.
3. *Lasia spinosa*: An Ethnomedicinal antidiabetic plant of Assam; Dr. Sudarshana Borah, Dr. Bibhuti Bhusan Kakoti; Kabita Mahato, Mritunjay Kumar, Bhanita Das and Kamalochan Barman; Bhumi Publishing, Kolhapur, India.
4. Environmental Pollution and Biodiversity, published by Scientific International Publishing House; Dr. Sudarshana Borah.
5. A Textbook of Pharmacy Practice, published by Alpha International Publisher House; Dr. Sudarshana Borah.

### **BULLETIN PUBLICATIONS**

1. Sudarshana Borah. Black Turmeric: A Therapeutic Asset. Assam Tribune, Science Zone (Sunday Reading); December 21st, 2018.
2. Sudarshana Borah, Dr. H.K Sharma. Drug repurposing and neuromedication, AssamTribune, Editorial Page, March 21st, 2019.
3. Sudarshana Borah, Dr. H.K Sharma. Covid- 19 with comorbidity, Assam Tribune, Editorial Page, June 10th, 2020.

### **MEMBERSHIP**

1. Reviewer of Journal entitled, "Journal of Applied Pharmaceutical Science".
2. Reviewer of Journal entitled, "Pharmacognosy Magazine".
3. Reviewer of Journal entitled, "Natural Product Research", Taylor and Francis.
4. Reviewer of Journal entitled, "South Asian Journal of Parasitology".
5. Reviewer of Journal entitled, "Frontiers in Neuroscience".
6. Reviewer of Journal entitled, "Ophthalmology Research: An International Journal."
7. Brand Ambassador of Bentham Science Publishers.
8. Fellow Member of International Science Community Association, (Registered under Ministry of Corporate Affairs, Govt. of India).
9. External Reviewer for MANAV-The Human Atlas Initiative, Dept. of Biotechnology (DBT), Govt. of India.

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10. Lifetime Member of Association of Pharmaceutical Teachers of India (APTI) of membership ID: AS/LM-35.
11. Nominated as Women Forum Convener\*\* of Assam State Branch, APTI. Lifetime member of UNESCO.
12. Eminent Fellow Member, SAS Society.
13. Dignitary Fellow Member, IOASD Society.
14. Central Committee Member, IOASD Society.
15. **EDITORIAL BOARD MEMBER OF SCIENTIFIC REPORTS, NATURE.**

**ADDITIONAL INFORMATION**

- 1. External Examiner for D. Pharm 1st year (Pharmacognosy) at N.E.F College of Pharmacy, Guwahati (Srimanta Sankaradeva University of Health Sciences affiliated).**
- 2. External Examiner for D. Pharm 1st year (Pharmacognosy and Hospital and Clinical Pharmacy) at NEMCARE Group of Institutions, Guwahati (Srimanta Sankaradeva University of Health Sciences affiliated).**
- 3. External Examiner for D. Pharm 1st year (Social Pharmacy and Biochemistry) at Guwahati Medical College, Institution of Pharmacy, Guwahati (Srimanta Sankaradeva University of Health Sciences affiliated).**
- 4. Approved as a Ph.D. Supervisor.**
- 5. Supervisor to B.Pharm Final year student Project Mentors: Swachhta Saarthi Fellowships (2); NGIEDC Funded (2); Start-up Grant under AIC, NIPER, Guwahati.**

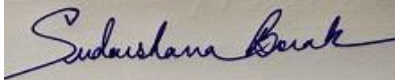
**PERSONAL INFORMATION**

- Name – Dr. Sudarshana Borah Khanikor
- Father's name- Mr. Anil Kumar Borah
- Spouse's name – Mr. Amarjit Khanikor
- Date of Birth - 27th June 1986
- Status: Married
- Nationality – Indian

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- Languages Known - English, Hindi, Assamese, Bengali
- Hobbies – Social Works, Reading, Writing, Traveling, Gardening, Singing, Listening to Music, Playing Chess.

I hereby declare that all the above informations furnished are true to the best of my knowledge and belief.



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