

List of Publications

Academic Year 2020-2021 (July – June)

Journal Articles

1. **Kashyap A.**, Choudhury A. A. K. , Saha A., Adhikari N., Ghosh S. K., Shakya A., Patgiri S.J., Bhattacharyya D R., Singh U.P. & Bhat H.R. Microwave-assisted synthesis of hybrid PABA- 1,3,5-triazine derivatives as an antimalarial agent, Journal of Biochemical and Molecular Toxicology, 2021, 35(9):1-10.
<https://pubmed.ncbi.nlm.nih.gov/34313355/>
[Indexing: Scopus, web of science; IF: 3.568; Citations: 1]
2. **Laloo D**, Sinha SK, Prasad SK, Hemalatha S., Gastric H⁺, K⁺-ATPase inhibitory effects of the active constituent isolated from *Potentilla fulgens* roots: An in vivo and in silico molecular docking studies, Phytomedicine Plus, 2021. 1(3).
<https://www.sciencedirect.com/science/article/pii/S2667031321000191>
[Indexing: Scopus, Citations: 1]
3. Hazarika I, Mukundan GK, Sundari PS, **Laloo D**, Journey of *Hydrocotylesibthorpioides* Lam.: From traditional utilization to modern therapeutics - A review, Phytotherapy Research, 2020. 35(4), 1847-1871.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/ptr.6924>
[Indexing: Scopus, Web of Science, IF: 6.388, Citations: 11]
4. **Laloo D**, Tahbaldar R, Smith K, Ahmed AU, Nath J, Shil D, Das G, Langbang A, Prasad SK, Singh NK, Impact of quality control standardization parameters and antioxidant potential of the aerial parts of *Potentilla fulgens* Wall.: A comprehensive monographic study. Journal of Biologically Active Products from Nature, 2020.

356. <https://www.tandfonline.com/doi/abs/10.1080/22311866.2020.1806731>

[Indexing: Scopus, IF: 1.21, Citations: 1]

5. Fuloria S, Jain A, Singh S, **Hazarika I**, Salile S, Fuloria NK, Regenerative potential of stem cells derived from human exfoliated deciduous (SHED) teeth during engineering of human body tissues, *Current Stem Cell Research & Therapy*, 2020. 16(5), 507-517. <https://pubmed.ncbi.nlm.nih.gov/33390148/>

[Indexing: Scopus, Web of Science, IF: 3.758, Citations: 3]

6. Parmar KM, Sinha SK, Prasad RS, Johi MS, **Laloo D**, Dhobi M, Gurav SS, Prasad SK., Identifying the mechanism of eriosematin E from *Eriosemachinense* Vogel. For its antidiarrhoeal potential against *Shigella flexneri*-induced diarrhoea using in vitro, in vivo and in silico models, *MicrobPathog.*, 2020. 149:104528. <https://pubmed.ncbi.nlm.nih.gov/33086104/>

[Indexing: Scopus, Web of Science, IF: 3.848]

7. Goswami A K., Sharma H K., Gogoi N., **Kashyap A.** & Gogoi B J. In vitro evaluation and molecular dynamics, DFT guided investigation of antimalarial activity of ethnomedicinally used *Coptisteeta* Wall. *Combinatorial Chemistry & High Throughput Screening*, 2022.25(2), 292 – 306. <https://www.eurekaselect.com/article/113356>

[Indexing: Scopus, Web of Science, IF: 1.205]

8. Rynjah D.B., Chakraborty T. & **Das A.** Recent Development in the Formulations of Ginger for Therapeutic Application and a overview towards the action of SAR –CoV – 2, *International Journal of Pharmaceutical Science and Research*, 2021. 12(7), 3537-3548. <https://ijpsr.com/bft-article/recent-development-in-the-formulations-of-ginger-for-therapeutic-applications-and-an-overview-towards-the-action-on-sars-cov-2/>

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9. Adhikary K., **Sahu B.P.**, A Review Article on Curcumin as a Novel Drug and its anticancer Activity, European Journal of Biomedical and Pharmaceutical Science, 2019. 7(8), 151-160 https://www.ejbps.com/ejbps/abstract_id/7094
10. **Kalita B**, Patwary BN, Formulation and *in vitro* evaluation of hesperidin-phospholipid complex and its antioxidant potential. Current Drug Therapy 2020. 28-36. <https://www.eurekaselect.com/article/96876>

[Indexing: Scopus, Web of Science, Citations: 8]

11. **Hazarika I**, Mukundan GK, Sundari SP, Das A., The modulatory effect of Hydrocotylesibthorpioides in attenuating the aluminium chloride induced neurotoxicity in rat brain, Advances in Traditional Medicine, 2021. 22, 207-219. <https://link.springer.com/article/10.1007/s13596-020-00526-7>

[Indexing: Scopus, Web of Science, Citations: 1]

12. Subramaniyan V, Chakravarthi S, Jegasothy R, Seng WY, Fuloria NK, Fuloria S, **Hazarika I**, Das A., Alcohol-associated liver disease: A review on its pathophysiology, diagnosis and drug therapy, Toxicology Reports, 2021, 376-385. <https://pubmed.ncbi.nlm.nih.gov/33680863/>

[Indexing: Scopus, Citations: 15]

13. **Chetia P.**, Khandelwal B., Haldar P K. and Bala A. Dietary Antioxidants Significantly Reduced Phorbol Myristate Acetate Induced Oxidative Stress of Peripheral Blood Mononuclear Cells of Patients with Rheumatoid Arthritis, Current Rheumatology Reviews, 2021. 1875-6360. <https://pubmed.ncbi.nlm.nih.gov/32729420/>

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14. SiddikA S N U, Alam S., **Borgohain R.**, Chutia P., Antioxidant properties of *Clerodendrum* species found in north east India: A review, Journal of Pharmacognosy and Phytochemistry, 2021, 10(4), 390-394. <https://www.phytojournal.com/archives/2021.v10.i4.14186/antioxidant-properties-of-clerodendrum-species-found-in-north-east-india-a-review>

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15. Siddik A S N U, Alam S., **Borgohain R.**, Chutia P., Rajiung M., Islam A., Neoadjuvant chemotherapy: A new challenge in treatment of ovarian cancer, Asian journal of research in Biological and pharmaceutical sciences, 2021, 59-63.

16. **Sengupta R.**, Zaveri M N., Design, Development and Evaluation of Polyherbal Tablet of Two Antiulcer Herbs, IJPSR, 2021. 12(6), 3291-3297. [https://doi.org/10.13040/IJPSR.0975-8232.12\(6\).3291-97](https://doi.org/10.13040/IJPSR.0975-8232.12(6).3291-97)

[Indexing: Scopus]

17. **Sengupta R.**, Zaveri M N., HPTLC fingerprint for simultaneous quantification of gallic acid, quercetin and glycyrrhizin in the methanolic extracts of *Abrus precatorius* and *Cordia wallichii* leaves and its formulation, IJBPAS, 2021. 10(3) 989-1002. https://ijbpas.com/pdf/2021/March/MS_IJBPAS_2021_54111.pdf

[Indexing: Web of Science, IF: 1.892]

18. Kurmi G., Kalita B. and **Das R C.**, Recent Advances and Application Of Jackfruit Seed Starch And Its Derivatives In Drug Delivery: A Review 1, World journal of pharmaceutical research, 2020. 9(10), 2277– 7105 https://wjpr.s3.ap-south-1.amazonaws.com/article_issue/1598837762.pdf

19. Rahman S S., Enhancing of oral bioavailability of poorly water-soluble antihypertensive drugs, International Journal of Current Pharmaceutical Research, 2021. 13(4), 42-

47. https://www.academia.edu/61494133/Enhancing_of_Oral_Bioavailability_of_Poorly_Water_Soluble_Antihypertensive_Drugs

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20. Rahman S S., Formulation by Design (FbD) approach to develop pharmaceutically amended Diclofenac Sodium hydrogel as compared to marketed gel, CRJPAS, 2021. 4(1), 3-

10. https://www.researchgate.net/publication/354698993_Formulation_by_Design_FbD_approach_to_develop_pharmaceutically_amended_Diclofenac_Sodium_hydrogel_as_compared_to_marketed_gel

21. Rahman S S., Development of long acting optimized mucoadhesive vaginal nanogel of nevirapine: formulation, In-vitro and In-vivo evaluations, 2021. 2021(2), 1-8. <https://inventi.in/journal/article/2/33679/Inventi%20Impact:%20NDDS/Pharmaceutical>

22. **Kumar S**, Devi D, Kushari S., Gam S. and Sarma H., A review on ethnomedicinal plants of Assam (India) used in the treatment of Diabetes mellitus, International Journal of Pharmaceutical Sciences and Research, 2021. 12(6), 3042-3050. <https://ijpsr.com/bft-article/a-review-on-ethnomedicinal-plants-of-assam-india-used-in-the-treatment-diabetes-mellitus/>

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23. Sarma A., Das M K., **Chakraborty T**, Das S., Nanostructured lipid carriers (NLCs)-based intranasal Drug Delivery System of Tenofovir disoproxil fumarate (TDF) for brain targeting, Journal of Pharmacy and Technology, 2020. 13(11), 5411-5424. <https://rjptonline.org/AbstractView.aspx?PID=2020-13-11-61>

[Indexing: Scopus; Citations: 7]

24. Bordoloi S. S., **Chakraborty T**, Das A., Islam J., Rynjah D. and Baishya B., The applicability of palm trees in pharmaceuticals as excipients with a special emphasis on

palm sugar: A Review, World Journal of Pharmaceutical Research, 2021. 10(6), 1778-1792.https://wjpr.s3.ap-south-1.amazonaws.com/article_issue/1622800010.pdf

25. Islam J, **Chakraborty T**, Das A, Rynjah A, Bordoloi S S. and Baishya B., The wound healing activity of calendula officinalis: A review, World Journal of Pharmacy and Pharmaceutical Sciences 2021. 10(7), 512-523.https://www.wjpps.com/Wjpps_controller/abstract_id/14616

Book Chapters

1. **Sahu B P**, Biswas N, Das M K, Multifunctional Nanoscale Particles for theranostic application in Healthcare, Nanomedicine and Nanosafety: Recent Trends and Clinical Evidences, Springer Nature 2021, 978-981-15-6254.https://doi.org/10.1007/978-981-15-6255-6_14
2. **Sahu B P**, Biswas N, Das M K, Multifunctional nanotheranostics for cancer diagnosis and treatments, Multifunctional Theranostic Nanomedicines in Cancer, Elsevier, 978-0-12-821712-2. <https://doi.org/10.1016/b978-0-12-821712-2.00008-6>
3. Biswas N, **Sahu B P**, Das M K, Nanobiotechnology for Therapeutic Targeting of Circulating Tumor Cells in the Blood, Nanomedicine and Nanosafety: Recent Trends and Clinical Evidences, Springer Nature, 978-981-15-6254.https://link.springer.com/chapter/10.1007/978-981-15-6255-6_2
4. **Laloo D**, kalita J M., Prasad S., Molecular Docking Studies of Plant-Derived Bioactive Compounds: A Comprehensive *in silico* Standardization Approach, Evidence Based validation of traditional Medicines, 9789811581274, 9811581274.https://link.springer.com/chapter/10.1007/978-981-15-8127-4_19
5. **Sarma A**, Das M K., Chakraborty T, Ligand Nanoparticle Conjugation Approach for Targeted Cancer Chemotherapy. Nano Medicine and Nano Safety, eBook ISBN- 978-981-15-6255-6. https://link.springer.com/chapter/10.1007/978-981-15-6255-6_15

Book

1. **Das S R C**, Dutta S K, Okonkwo C, Divya, Protease from *Calotropis gigantea* Linn.: Kinetics and Thermodynamic aspects, 2021. 978-6203471960.
<https://www.amazon.ca/Protease-Calotropis-gigantea-Linn-Thermodynamic/dp/6203471968>
2. Okonkwo C, Jain D, Khan R A, **Kumar S**, Occupational Exposure and Environmental risk factors for Hepatocellular Carcinoma, 2020. 9781637457481.
https://www.researchgate.net/publication/347166851_Occupational_Exposure_and_Environmental_risk_factors_for_Hepatocellular_Carcinoma

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