

BRIEF CURRICULUM VITAE OF DR. NISHIKA JAISHEE

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Academic qualification: M.Sc., M.Phil., Ph.D

Details of publications:

Journals

1. Das V, Rai V, **Jaishee N**, Ghosh S.: Phytochemical, Antioxidant, Antibacterial and Antifungal Investigations of *Thuja orientalis* Cone. **European Journal of Medicinal Plants, 33(7): 1-9, 2022**
2. Kar P, Saleh-E-In MM, **Jaishee N**, Anandraj A, Kormuth E, Vellingiri B, Angione C, Rahman PKSM, Pillay S, Sen A, Naidoo D, Roy A, Choi YE. Computational profiling of natural compounds as promising inhibitors against the spike proteins of SARS-CoV-2 wild type and the variants of concern, viral cell-entry process, and cytokine storm in COVID-19. **Journal of Cellular Biochemistry, 123(5):964-986, 2022**
3. **Jaishee N**, Lama Rohini, Chakraborty U. Evaluation of antimicrobial activity and HPLC analysis of phenolics present in *N. cordifolia (L.)C.(Persl)*. **J. Mycopathol. Res. 59(1): 37-45, 2021. ISSN 0971-3719.**

4. Roy A, Guo F, Singh B, Gupta S, Paul K, Chen X, Sharma NR, **Jaishee N**, Irwin DM, Shen Y. Base Composition and Host Adaptation of the SARS-CoV-2: Insight From the Codon Usage Perspective. **Frontiers in Microbiology**, **12:548275:1-11, 2021**
5. Kar P, Kumar V, Vellingiri B, Sen A, **Jaishee N**, Anandraj A, Malhotra H, Bhattacharyya S, Mukhopadhyay S, Kinoshita M, Govindasamy V, Roy A, Naidoo D, Subramaniam MD. Anisotine and amarogentin as promising inhibitory candidates against SARS-CoV-2 proteins: a computational investigation. **Journal of Biomolecular Structure and Dynamics**, **40(10):4532-4542, 2020**
6. Lama R, **Jaishee N**, Chakraborty U, Roy A. Responses of seven maize genotypes during flooding stress and identification of cultivars most tolerant to flooding conditions. **Plant Archives**, **20(2): 3244-3249, 2020**
7. Sherpa K, **Jaishee N**, Naskar C, Thapa S. An ethnobotanical survey of medicinal plants of Darjeeling District, West Bengal, India. **Bio-Science Research Bulletin**, **33(2): 50-57, 2017**
8. Lama R, **Jaishee N**, Chakraborty U. Ameliorative Effects of ABA and Proline during Drought Stress in Maize enhancing its Protective Mechanism. **World Applied Sciences Journal**, **34(2): 174-181, 2016**
9. **Jaishee N**, Chakraborty U. Comparative assessment of various phytochemical present in *Dicranopteris linearis* (N.Burm.) Underw and *Pteris vittata* L. **International Journal of Pharmacy and Pharmaceutical Science Research**, **5(1): 1-7, 2015**
10. **Jaishee N**, Chakraborty U. Evaluation of in-vitro antioxidant activities of *Pteris baurita* L. **International Journal of Pharmacy and Pharmaceutical Sciences**, **6(2): 413-421, 2014**
11. **Jaishee N**, Chakraborty U. Pharmacognostical studies and evaluation of antioxidative properties of *Drynaria quercifolia* (L.) J. Smith. **World Journal of Pharmacy and Pharmaceutical Sciences**, **3(7): 1205-1216, 2014**
12. Nayek S, Choudhary IH, **Jaishee N**, Roy S. Spectrophotometric analysis of chlorophylls and carotenoids from commonly grown fern species by using various

extracting solvents. **Research Journal of Chemical Sciences**, 4(9): 63-69, 2014

Book Chapters

1. Chakraborty U, **Jaishee N**. Plant derived anti-diabetics and antioxidants: potential health benefits in free radical associated diseases. Book review in Biology of useful plants and microbes. Editor- Arnab Sen, 2014, ISBN 978-81-8487-264-4.
2. Chakraborty U, **Jaishee N**. Role of secondary metabolites in plant systematics: an Overview. Editors: Abhaya Prasad Das and Subir Bera, 2018. ISBN: 978-81-211-0985-7.

Research Interest:

Phytomedicine, Computer-aided drug design, Phytochemistry, Phytoremediation

Research Experience:

- Research Fellow at Dept. of Botany, University of North Bengal, India
- Phytochemical analysis of some ferns with reference to their antioxidant, hypoglycemic and antimicrobial activities.
- Project on “Studies on biochemical responses of *Vigna radiata* L. Wilczek to stress imposed by Chromium”.
- One month extensive training program on “Handling of Analytical instruments HPLC and PCR” at Azyme Biosciences Private Limited, Bangalore.
- Co-supervised project “Characterization of ginger (*Zingiber officinale*) of North East region through morphological and molecular parameters and oil quantification.

Professional Experience:

- Assistant Professor at Department of Botany, St Joseph's College, Darjeeling
- Lecturer, Dept. of Biotechnology and Environmental Sc, EIILM University, Sikkim
- Associate in Aditya Birla Minacs Pvt. Limited, Bangalore

- Botany faculty in Mindset Study Center, Shivmandir, Siliguri

Awards/Achievements:

- Meritorious Basic Scientific Research Award, University Grants Commission, India.
- Joint CSIR-UGC Junior Research Fellowship & Eligibility for **Lectureship (NET-Life Sciences)**
- UGC accredited West Bengal State Eligibility Test (**WBSET**) for **Lectureship (Life Sciences)**

Certificate /diploma courses:

- Diploma in Windows Application
- The Brain and Space: an online non-credit course authorized by Duke University and offered through Coursera

Symposia & Workshops:

- **Symposia:** Attended 11 (national), 2 (international) , Presented in 8
- **Workshops:** 3