



## ARUNIMA SIKDER

### RESEARCH INTERESTS

Tropical forests, Plant taxonomy, Himalayas, Functional Traits, Climate Change, Resilience, Human-nature interactions.

### AFFILIATIONS

Ph.D. student (2020-Present)

1. Ashoka Trust for Research in Ecology and the Environment, (ATREE) Bangalore, India.
2. Manipal Academy of Higher Education, Manipal, India

### RELEVANT SKILLS

- Field based Ecological Research Techniques 3+ years
- Diversity measurements in EstimateS
- Coding in R
- Species Distribution Modelling, MaxEnt.
- GIS techniques (QGIS)
- DNA extraction and amplification using CTAB

### PUBLICATIONS

- Book Chapter – [Ecological Determinants of Woody Plant species in Indian Himalayan Forest, in Springer-Cham, October 2020.](#)
- Research Article- [Cypsel diversity in some members of Compositae through LM study and its taxonomic significance in Microscopy Research and Techniques, Wiley, March 2021.](#)
- Popular Articles-
  - [What's in a name?](#)
  - [We, the people of Jayanti](#)
  - Look up! Spotting Hornbills in Northeast India
  - [Cherry Blossoms as indicators of Climate Change](#)
  - [Waiting for Spring](#)

### RESEARCH PROJECTS

#### **NORTH-EAST BIO-RESOURCES AND SUSTAINABLE LIVELIHOODS, DEPARTMENT OF BIOTECHNOLOGY, GOVERNMENT OF INDIA.**

Senior Research Fellow, ATREE, India [2018-Present]

- Vegetation sampling in Sikkim- Darjeeling Himalayas
- Maintaining comprehensive database on Forest structure
- Maintaining herbaria

#### **MORPHOLOGY OF CYPSELA CHARACTERISTICS OF SOME MEMBERS OF COMPISITAE.**

M.Sc. Dissertation, University of Calcutta, India [2018]

- Formulating key to identification for 25 members of Compositae based on Cypsel

- characteristics
- Phylogenetic study between 25 members of Compositae

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#### EDUCATION

##### **M.SC (BOTANY), 2016-2018, UNIVERSITY OF CALCUTTA, INDIA**

CGPA 4.6/6, Specialization – Plant Taxonomy Biosystematics and Ecology.

##### **B.SC (BOTANY), 2013- 2016, SCOTTISH CHURCH COLLEGE, INDIA**

CGPA 3.7/5

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#### VISITS

##### **2021- International Centre for Theoretical Physics, Trieste, Italy,**

Workshop on Limits to Diversity Assembly,

##### **2020- International Centre for theoretical Physics, Trieste, Italy**

Winter School on Quantitative Systems Biology: Quantitative Approaches in Ecosystem Ecology,

##### **2019- Institute of Life Sciences, Bhubaneswar, India**

Workshop on Molecular approaches in Integrative Taxonomy,

##### **2018- Indian Institute of Engineering, Assam, India**

Workshop on Angiosperm Taxonomy, Bio-resource conservation and its utilization.

##### **2018- Institute of Bio-resources and Sustainable Development,**

**Manipur, India** Workshop on Bio-resources and Sustainable Livelihoods in Northeast India.

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#### ACHIEVEMENTS

- Qualified All India Examination GATE (2019)
  - RANK -2 M.sc Final semester (2018)
  - RANK 3 - B.Sc (2016)
  - Best Speaker Award, Botanical Survey of India (2017)
  - Best Speaker Award, Scottish Church College (2014)
  - Young linguist award, National Olympiad (2010)
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#### LEADERSHIP

##### **Resource person- (2020-21) KSCH Calcutta, India.**

Restoration of Sundarbans delta through Mangrove Plantations.

##### **Volunteer- (2016-2018) "BHUMI", Calcutta, India**

Educating underprivileged children,

##### **Cultural Secretary- (2015-16), Scottish Church College, Calcutta, India**

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Responsible for coordinating all Cultural activities.

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REFERENCES

Dr. **RAVIKANTH GUDASALAMANI**

Senior Fellow, ATREE, Bangalore, India

Website , Email

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