

Department of Botany

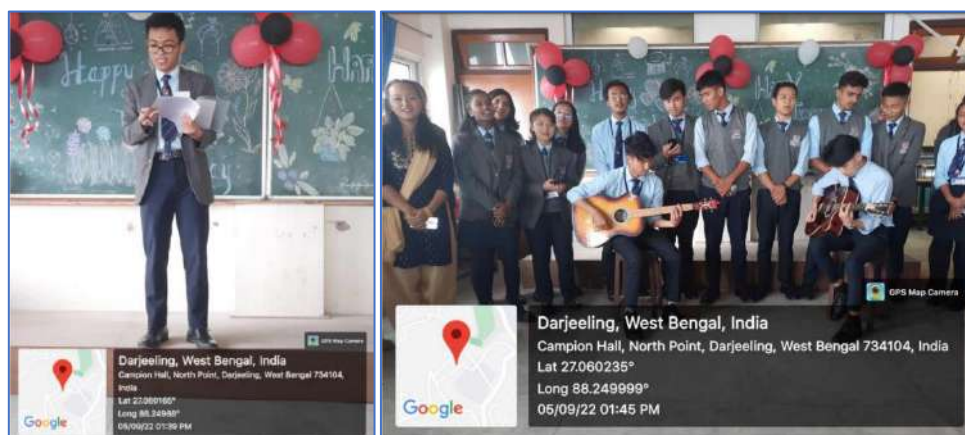
Annual Report 2022-23

The academic session 2022-23 began from July which began with the Faculty Development Programme on Ignatian Leadership organized by IQAC on 18.07.2022 at MR Hall. The academic session of Botany began with existing 29 Sem III (Honours) and 33 Sem V students with 39 newly admitted students in Sem I (honours) making a total student of 101 in Botany Honours. As per the directives received from the Dean of students Dr. Radha Sharma, two Class Representatives (CRs) from each Semester were selected for the smooth functioning of the Students' Council of the college. The CRs from the department were Ankit Pradhan and Ninchu Tamang Moktan from Sem V, Deepna Sharma and Dinchen Sherpa from Sem III and Adarsh Johny and Riya Thapa from Sem I.

Two students from Sem V, Pratik Sharma (from 25.08.22 to 25.09.22) and Akansha Kumari Saha (from 08.08.22 to 27.8.22) were selected for camp held in Thal Sainik Camp and Kamrang Namchi NCC camp, Sikkim respectively.



On 5th Sep 2022, the students organized Teachers' Day program. Mr. Ankit Pradhan from Sem-V conducted the program and all the students participated in different activities. Dr. Upakar Rai gave a short speech on the role of Dr. Sarvapalli Radhakrishnan in education system of India. The program was ended with a vote of thanks delivered by Ms. Deepna Sharma from Sem-III.



On 14th November 2022, Childrens' Day program was organized in the department. All the students were made to involve in the program so as to enhance the interactions among the students and teachers. All the expenditures incurred in the program was bore by the teachers.



Graduation Day was observed on 7th April 2023. On this day usually a group photo of the outgoing students is taken as a souvenir.



Dr. Anirudra Gurung attended the U.G. Council meeting at NBU on 12.04.2023 where various issues regarding the implementation of NEP, course designing and framing up of the syllabus were discussed.

24 students from the department participated on the 25th anniversary of S.E.R.V.E (Save Environment and ReVive Employment), a joint effort of WWF- India and Teekampagne, organized at Chowrasta, Darjeeling between 21st and 23rd April, 2023. The event comprised of an exhibition which reflected the following themes:

- 25 years of Project S.E.R.V.E
- Wildlife and Habitats
- Enhancing Water Security
- Building Community Stewardship
- Education and Awareness, and
- Promoting zero waste

These themes were illustrated through several informative display panels, and exhibited posters. The participants of Botany Department participated in the poster exhibition under the topics, **“Rhododendrons of Darjeeling Hills”** and **“Wild edible Mushrooms of Darjeeling Himalayas”** as part of the given theme -Biodiversity of Darjeeling Himalayas were prepared under the supervision of teachers Dr. Manjula Rai and Dr. Upakar Rai.



Academic Performance:

Semester	Appeared	Qualified	Percentage	SNC
I	38	22	57.9	16
II	39	12	30.7	27
III	30	10	66.7	10
IV	29	20	68.9	9
V	33	33	100	0
VI	33	33	100	0

On March 2023, Dr. Nishika Jaishee, Assistant Professor, who served the department for six years left the college after receiving the appointment from Kalyani University and Ms. Kabya Rai was appointed in her place.

Papers, Books, Chapters in Book published:

Chapter in Book:

1. **Anirudra Gurung** and Cyaria Gurung (2022): Acidophilic Microbes: Diversity and Adaptation to Low pH. *In* Extremophiles: Diversity, Adaptation and Applications. Bentham Science p. 105-119 ISBN 978-981-5080-36-0
<https://doi.org/10.2174/9789815080353122010008>
2. Surjit Sen, Shuvadip Mondal, Arghya Naskar, Protha Biswas, Tuyelee Das, Rupa Sanyal, Abhijit Dey, **Manjula Rai** (2023). Aloe vera (L.) Burm.f. An Important Medicinal Herb for Diabetes Treatment *In* Antidiabetic Medicinal Plants and Herbal Treatments. CRC Press eISBN 9781003345947
3. Surjit Sen, Sudeshna Nandi, Rupa Sanyal, Abhijit Dey, **Manjula Rai** (2023). Aristolochia indica (The Indian Birthwort) *In* Exploring Poisonous Plants. CRC Press eISBN 9781003308249
4. **Manjula Rai**, Shuvadip Mondal, Rupa Sanyal, Abhijit Dey, Surjit Sen (2023). Girolle (*Cantharellus cibarius*) *In* Mushrooms

Articles in Journals:

1. **M. Rai**. Edible mushrooms from forests of Sikkim Himalaya. *J. Mycopatho. Res.* 2022. 60(2): 197-205, 2022; (ISSN 0971-3719)

2. **M. Rai** and S. Sen (2023). Management of Alternaria Leaf Blight (*Alternaria alternata*) of Aloe vera by talc-based formulation of a potential antagonist. J. Mycopathol. Res. 61(3): 279-285. [doi.10.57023/JMycR.61.3.2023.279](https://doi.org/10.57023/JMycR.61.3.2023.279). **ISSN : 0971-3719 (Print), 2583-6315 (Online)**