

DEPARTMENT OF BOTANY - REPORT 2019-20

Activities organized:

- Vertical Wall Garden was re-installed during 6th February to 20th February 2020, as it was dismantled due to campus renovation work. Herbal garden was cleaned and re-structured and labelling of plants was carried out in the herbal garden during 27th February to 29th February 2020.
- Two events were organised during the Botany Department festival - Kalpavriksha on 2nd and 3rd January 2020.
- Star grant activities including new practicals, projects and screening of documentaries related to plant life were carried out for FYBSc students in the month of January 2020.
- Parent Teacher Meeting was conducted for the students of TYBSc on 11th January, 2020.
- Under the scheme of RUSA grant, a value added course on Vertical Wall Gardening was introduced and a lecture series on the same was conducted between 18th June and 30th June 2019. It was followed by practical sessions conducted from 22nd July to 25th July 2019 for students of TYBSc-AC- Horticulture. As a result of the course completion, two vertical green walls were constructed - one at the back wall of the college campus and other at the front gate entrance from Monday, 26th August to Wednesday, 28th August 2019.

Students' Achievements:

- Miss Leance Mendonsa published a research paper entitled 'Comparative ecological analysis of five freshwater lakes in and around Mumbai, India', co-authored with Dr. V Vishnuprasad, in the Journal of Ecology and Natural Resources (ISSN: 2578-4994) Medwin Publishers, Volume 3, Issue 4, 000178.

Students' participation in Seminars, Workshops and Field Visits:

- Miss Sejal Zagade (MSc-II) presented a poster entitled 'In vitro cultivation and phytochemical analysis of Indian medicinal plant *Vitex negundo*.' co-authored with Dr. Mahavir Gosavi in the International Conference 'Natural Products- Quality,

Safety and Efficacy’ on 6th and 7th March 2020 held at SIES College of Arts, Science and Commerce (Autonomous).

- Miss Priyanka Mahanty (MSc-II) presented a poster entitled ‘Phytochemical evaluation of traditionally important plant *Sida acuta* Burman f. (Common wireweed)’, co-authored with Dr. Mahavir Gosavi in the International Conference ‘Natural Products- Quality, Safety and Efficacy’ on 6th and 7th March 2020 held at SIES College of Arts, Science and Commerce (Autonomous).
- Miss Sumitha Nair (MSc-II) presented a poster entitled ‘*Ailanthus excelsa* Roxb.: A potential source for green synthesis of silver nanoparticles’, co-authored with Dr. Neeraja Tutakne in the International Conference ‘Natural Products- Quality, Safety and Efficacy’ on 6th and 7th March 2020 held at SIES College of Arts, Science and Commerce (Autonomous).
- Miss Mallika Naidu (MSc-II) presented a poster entitled ‘Study of antioxidant activity and extraction of phytochemicals from vegetables and fruits waste’, co-authored with Dr. V Vishnuprasad in the International Conference ‘Natural Products- Quality, Safety and Efficacy’ on 6th and 7th March 2020 held at SIES College of Arts, Science and Commerce (Autonomous).
- Miss Kirthika Sivasubramanian (MSc-II) presented a poster entitled ‘Trees as natural source of air pollution control’, co-authored with Dr. V Vishnuprasad in the International Conference ‘Natural Products- Quality, Safety and Efficacy’ on 6th and 7th March 2020 held at SIES College of Arts, Science and Commerce (Autonomous).
- Miss Nazmeen Khan (MSc-II) presented a poster entitled ‘Cytotoxic effects of synthetic PGRs on plant cell mitosis’ co-authored with Miss Snehal Unde in the International Conference ‘Natural Products- Quality, Safety and Efficacy’ on 6th and 7th March 2020 held at SIES College of Arts, Science and Commerce (Autonomous).
- Excursion to Coastal and Marine Biodiversity centre, Airoli was conducted for MSc students on 19th February 2020.
- Excursion to Karnala Bird sanctuary and Go-Green nursery was organised for FY, SY, TY and MSc students on 31st January 2020.
- Excursion to Mahabaleshwar, Panchgani and Wai was conducted for the students of SY, TY and MSc from 19th to 21st December 2019.
- One day field visit to Palasdhari was conducted for SY, TY and MSc classes on Friday, 23rd August 2019.

- One day garden visit was organized to Dattaji Salvi Udyan, Kopri, Thane for T.Y.B.Sc. Horticulture students on Monday, 19th August 2019.
- Excursion to Tansa Wildlife Sanctuary, Asangaon was conducted for M.Sc. Botany students on Saturday, 17th August 2019.
- As a part of Vertical Wall Gardening course, the field visits to Vriksha Nursery, Viacom – 18 and Baijnath Landscaping Solutions were conducted for TYBSc – Applied component students on 29th June, 2019.