Dr. Bela Bhatia

Associate Professor

Department of Botany

Academic Achievements

Academic achievements 2022-2023

Publications (Research Papers/Books/Book Chapters)

1. Chauhan Eklavaya and **Bhatia Bela** 2022. "Flowering Trees of Deshbandhu College - A Pictorial Journey. Book Age Publications. Delhi

Participation in Seminars/Conferences/Symposia

1.Presented a paper entitled "Bioactive Compounds from Red Algae and Their Role in Improving Human Health" in the conference ICNPHH-2022 held at Deshbandhu College, University of Delhi, New Delhi, India.

International/ National Conference Organized

1. Convenor for webinar on "Gender Sensitivity: Roles and Responsibilities" organized by Deshbandhu College, University of Delhi (Under the Aegis of Vidya Vistar Scheme, IQAC and ICC) on July 2, 2022.

Coordinator of the Students Activities

- Science Coordinator- Vidya Vistar Scheme, University of Delhi
- Coordinator **Rangavalli** (Rangoli making Competition) **Sabrang** 2023.

Academic achievements 2021-2022

Training Programs attended (Workshops/FDP/Orientation Program/Refresher Course)

1. Participated in one day E Workshop on "Innovation and Entrepreneurship" organized by the Department of Biotechnology, , Delhi Technological University on 18th September 2021.

2. Participated in 3-days Certificate workshop on "Yogasna & Pranayama" organized by the Department of Physical Education & Sports Sciences, Deshbandhu College aegis of Vidya Vistar Scheme from 22nd to 24th December, 2021.

Participation in Seminars/Conferences/Symposia

1. Participated in Two-Day International Conference *via* virtual platform on "Nanomedicine: Biomolecules for Human Health (NBHH- 2021)", *Small molecules: Big Opportunities!!,* held on 27th -28th September, 2021 and organized by Kirori Mal College , University of Delhi.

2. Participated in "Lecture III: Integrated Approach for Molecular Imaging" organized by Department of Chemistry, Deshbandhu College under the aegis of IQAC and DBT Star College scheme on occasion of National Science Day on February 28, 2022.

3. Delivered an **Oral Presentation** " Biofuel production from Microalgae and Reclamation of Wastelands- Challenges and Prospects" In the International e- Conference ICRACS-2022 organized by Department of Chemistry, Deshbandhu College, University of Delhi on 8th-9th April, 2022.

4. Participated in the "Virtual Tour To The Indian Sundarbans" organized by Department of Botany, Deshbandhu College, University of Delhi, India under the aegis of IQAC and DBT Star College scheme on April 26, 2022.

International/ National Conference Organized

1. Member, organizing committee for Webinar to celebrate World Ozone Day on September 16, 2021 organized by Department of Botany, Deshbandhu College under the aegis of DBT Star College Scheme and IQAC.

2. . Member, organizing committee for the Inter- College Paper Reading Contest on "Wetland Conservation" and Webinar on "Coastal Wetlands and Climate Change" organized by Department of Botany, Deshbandhu College under aegis of IQAC and DBT Star College scheme on World Wetland Day February 2, 2022.

3. .Member organizing committee for 2-Days International e- conference on Recent Advancements in Chemical Sciences: Health, Environment and Society organized by Department of Chemistry, Deshbandhu College under aegis of IQAC and DBT Star College scheme on April 8-9, 2022.

Keynote Speaker/Invited Talk/Resource Person/Member Jury

1. **Resource person** in the three day "Capacity Building Workshop" held on December 22-24, 2021, jointly organized by Department of Biochemistry, Botany and Zoology, Deshbandhu College, University of Delhi, Delhi under the aegis of DBT Star College scheme and IQAC.

2. **Chairperson**, Oral Presentation Session-XII in the International e- Conference ICRACS-2022 organized by Department of Chemistry, Deshbandhu College, University of Delhi on 8th-9th April, 2022.

Coordinator of the Students Activities

- Coordinator **Rangavalli** (Rangoli making Competition) Sabrang 2022.
- Science coordinator Vidya Vistar Scheme, for webinar on "Avenues in Public Health Care" organized by Deshbandhu College , University of Delhi in association with Indian Institute of Public Health-Delhi and Public Health Foundation of India(PHFI) on June 25, 2022.
- Science coordinator Vidya Vistar Scheme, for webinar on " Stress Management and Resilience" organized jointly by Deshbandhu College , University of Delhi and Pettigrew College under the aegis of Vidya Vistar Scheme on January 28, 2022.
- Science coordinator Vidya Vistar Scheme, for webinar on "Understanding Sustainable Development Goals" organized jointly by Deshbandhu College , University of Delhi and Pettigrew College under the aegis of Vidya Vistar Scheme on January 21, 2022.

Academic achievements 2020-2021

Participation in Seminars/Conferences/Symposia:

1. Participated in International Conference on Innovations in Biotechnology and Life Sciences, 2020 (ICIBLS) from December 18th to 20th, 2020 organized by Department of Biotechnology, Delhi Technological University.

International/ National Conference Organized:

1. Organizer of 3-day International Webinar on "Understanding Flora from Aquatic Ecosystems: Towards Better Conservation and Sustainable Use" jointly organized by Department of Botany, Deshbandhu College, University of Delhi, Delhi, India and Institute of Ocean and Earth Sciences, Universiti Malaya, Kuala Lumpur, Malaysia from March 26-28, 2021.
2. Organizer of webinar on "Evolution of science seen from historical perspective" conducted by Department of Botany, Deshbandhu college under the aegis of IQAC on 12th and 13th May 2020.
3. Convenor of Webinar "Arbuscular Mycorrhiza: A Promise for Sustainable Cultivation of Crops" organized by Department of Botany, Deshbandhu college under the aegis of IQAC on 3, March 2021.

Papers/Poster Presented in Seminars/Conferences/Symposia:

1. Abstract "Biotechnology of Halotolerant green alga *Dunaliella*: Challenges and Prospects." In the conference proceedings of the first International Conference on Innovations in

Biotechnology and Life Sciences, 2020 (ICIBLS) from December 18th to 20th, 2020 organized by Department of Biotechnology, Delhi Technological University. ICIBLS/AB/37

2. Abstract "Reclamation of Saline Soils: A way To Sustainable Agriculture"in the conference proceeding of the first International Conference on Innovations in Biotechnology and Life Sciences, 2020 (ICIBLS) from December 18th to 20th, 2020 organized by Department of Biotechnology, Delhi Technological University. ICIBLS/AB/152

Coordinator of the Students Activities:

- Member organizing committee of 68th Annual Day, 5th December, 2020
- Member Financial Assistance committee 2020-21

Invited Lectures

- Delivered a talk on "Biodiversity and its Importance" in the webinar on **International Day of Biological Diversity on 22nd May, 2021** organized by Aditi Mahavidyalaya, University of Delhi.

Academic achievements of 2019-2020

Chapters in Books / Course content

1. Block 2- Unit 4 Cell (a unit of life) in Elective course (BBYET) Of Bachelor's Degree programme of IGNOU, 2020
2. Block 3- Unit 9 Genetic Material in Elective course (BBYET) Of Bachelor's Degree programme of IGNOU, 2020

Participation in Seminars/Conferences/Symposia:

- Participated in one day workshop on "Foldscope : An Educational and Research Tool" organized by School of Sciences, IGNOU, New Delhi in collaboration with Department of Biotechnology, Govt. of India on 23rd August, 2019.

International/ National Conference Organized:

- Member organizing committee for National Conference on "Insect-Plant Biology in 21st Century organized by Department of Zoology, Deshbandhu College on November 4-5, 2019.

Keynote Speaker/Invited Talk/Resource Person/Member Jury:

- Delivered a talk on "Pictorial Journey of Flowering Trees in Deshbandhu College" In Awareness Programme on "Youth Towards Green Sustainability" jointly organized by VYK, IVN and Deshbandhu College on 19th August, 2019.

Coordinator of the Students Activities:

- Member Financial Assistance committee 2019-20.
- Member election committee for the DUSU and College Student's Union Election 2019-2020.

Academic achievements of 2018-2019

International/ National Conference Organized:

1. Convener of Symposium 2019 – "Avenues in Plant Sciences : A Hope for Sustainable Future" organized by Department of Botany, Deshbandhu College on 8th and 9th March, 2019.
2. Member organizing committee for Fourth National Symposium on Environment: Green Technology for Environmental Sustainability" organized by Deshbandhu College on 25th September, 2018.
3. Member college advisory committee for National Workshop on "Skill Development to build a Clean India", organized by Deshbandhu College and sponsored by ONGC on June7-8, 2018.

Coordinator of the Students Activities:

1. **Convener**, Garden Committee 2018-19.
2. Programme co-ordinator for B. Sc. Life Sciences 2018-19.
3. Member election committee for the DUSU and College Student's Union Election 2018-2019.

Academic achievements of 2017-2018

Awards and Distinctions

1. Awarded "World Ecology, Environment And Development (WEED) Award 2017 by International Association of Educators For World Peace, affiliated to United Nations.
2. Awarded certificate of appreciation as Science Ambassador 2017, 1st Science Ambassador Programme, a seminar and workshop on recent developments in Biotechnology organized by Bio-Rad Laboratories in association with Deshbandhu College, University of Delhi, and St. Thomas Girls Sr. Sec. School on 6th Nov, 2017.

Invited Lectures

- Delivered a talk on "Biodiversity and its Importance" in the webinar on **International Day of Biological Diversity on 22nd May, 2021** organized by Aditi Mahavidyalaya, University of Delhi.

Coordinator of the Students Activities:

1. Dy. Coordinator of the INSPIRE Internship Programme -2017 organized by Deshbandhu college, University of Delhi, held from December 18-22,2017.
2. Convener of certificate memento and prize distribution committee; stage and auditorium committee for "INSPIRE Internship Programme 2017" organized by Deshbandhu College, University of Delhi, from December 18-22 2017.
3. Convener, practical programme committee of Botany for "INSPIRE Internship Programme 2017" organized by Deshbandhu College, University of Delhi, from December 18-22, 2017.
4. Member college advisory committee for National Workshop on "Skill Development to build
5. **Convener**, Garden Committee 2017-18.
6. Member election committee for the DUSU and College Student's Union Election 2017-Convener, 66th Annual Day and Prize Distribution function. 2017-18.

Academic achievements of 2016-2017

Coordinator of the Students Activities:

1. Member election committee for the DUSU and College Student's Union Election 2016-2017.

2. **Nodal Officer-** Deshbandhu College. Green Campus Initiative of University of Delhi 2016.