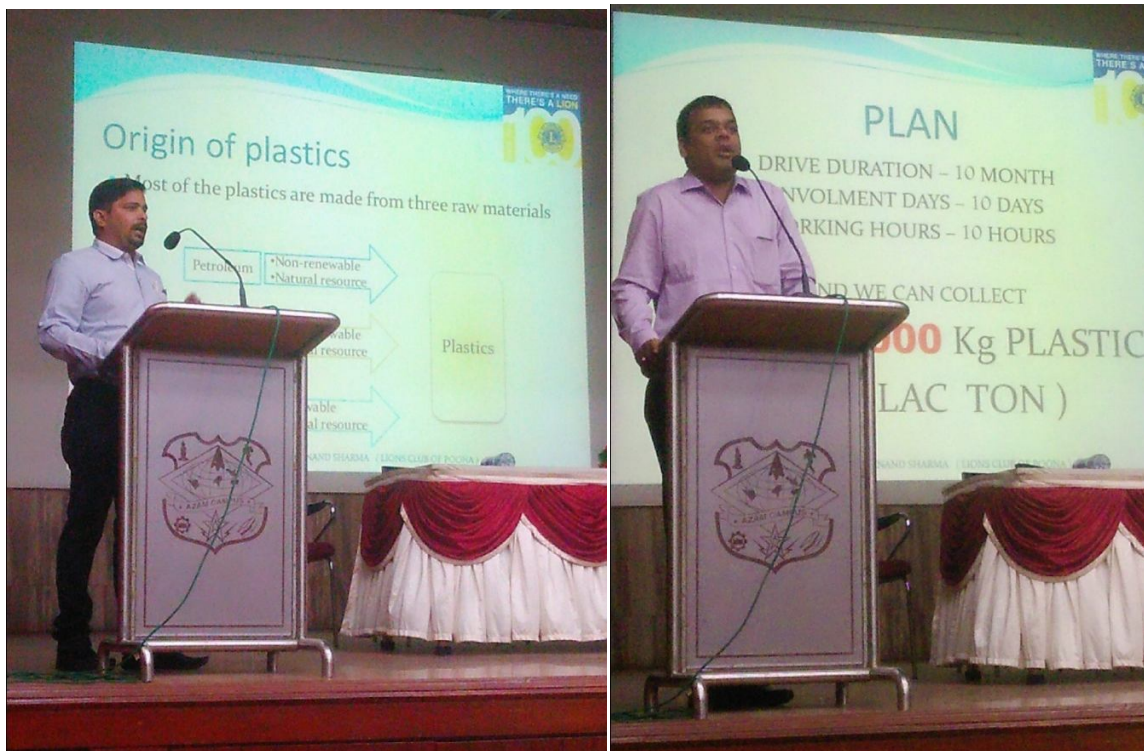


Plastic Free Pune Drive

Abeda Inamdar Senior College in association with **The Lions Club, Pune** organized extensive drive on Plastic Free Pune Campaign. An induction program was organized on **22nd February 2017** for select group of students to train them as incharge volunteers for each class of the college. Motivational lectures on the mentioned activity were delivered by the President and Secretary of the Lions Club explaining the importance the Plastic Free Campaign. Under this activity, the members of the committee targeted to collect 1 kg of plastic carry bags from each student every month. The bags shall be brought by volunteers as per the schedule given by Lions Club. Various cultural programmes and activities shall be organized by the club to motivate more number of students to actively participate in this drive.



Mr. Sharma from Lions Club and his Associate guiding the students for Plastic Free Drive

Flora of Azam Campus

By

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BOTANICAL SURVEY OF AZAM CAMPUS

The Department of Botany of Abeda Inamdar Senior College has been engaged in floristic survey of unexplored area of Pune district. Same kind of activity to study the Biodiversity of Azam campus was conducted in the month of June 2015. During the study, two different vegetation types were observed – namely wetland vegetation and Tropical Dry Evergreen vegetation. This survey has recorded **Sixty Two** Plant Species includes **Four Hundred Forty Nine** Trees. Each tree was identified and labeled with Botanical Name, Local Name, Unani Name and their Family.

A rapid Botanical survey was conducted in Azam Campus by Prof. Asif S. Shaikh, Assistant Professor, Abeda Inamdar Senior College along with Mr. Dilip D. Devade, Azam Campus Garden Incharge.

The help of Dr. Asif Ansari, Assistant Professor, Department of ilmu advia Z.V.M. Unani Medical College, Dr. R.D. Joseph, Head, Department of Botany, Abeda Inamdar Senior College and Mr. S. M. Shaikh, Retired Forest Officer is acknowledged.

Primary objectives of survey:

- To survey the plant resources of the Azam campus.
- To undertake taxonomical study of Plants and label the trees with Botanical Name, Local Name, Unani Name and their family.
- To identify, collect and preserve specimens of plants, which are economically beneficial to human beings.

- Flora will be useful to students of Botany, Unani, Pharmacy studying in the campus and all those interested in learning about the flora conservation and utilization of the plant resources.

The plants cultivated in the Campus includes many shrubs and trees of different families such as Mimosaceae, Fabaceae, Rutaceae, Apocynaceae, Annonaceae, Moraceae, Caesalpiniaceae, Malvaceae, Araliaceae, Myrtaceae, Boraginaceae, Lecythidaceae, Verbenaceae, Bignoniaceae, Meliaceae, Tiliaceae, Combretaceae and other 9 families.

BIOPROSPECTION AND HUMAN WELFARE

The survey of campus plants revealed numerous medicinal plants, wild aromatic species, wild food plants, bio-fuel plants and ornamental species. Metal tolerant plants from Annonaceae and Fabaceae are grown to control the air pollutants. Therefore, not just conservation of these bio-resources but also their sustainable utilization for human welfare is the priority agenda.

BIOPROSPECTION IN MEDICINAL AND AROMATIC PLANTS

Some short listed aromatic species like *Santalum album*, *Callistemon citrinus*, *Nyctanthes arbor-tristis*. The medicinal plants like *Acacia catechu*, *Adenanthera pavonina*, *Aegle marmelos*, *Azadirachta indica*, *Eucalyptus oblique*, *Sapindus trifoliatus*, *Terminalia arjuna* are grown in the campus. The existing plants can be used to study the quality and quantity of the compounds and Ethno-

pharmacological studies are also required for fully understanding their therapeutic value.

CONCLUDING REMARKS

The Campus is evergreen and very rich in Plant resources. The plants grown in the campus are well protected till their proper growth and efforts are taken to save the plant resources. It is hoped that the flora will be useful to students of Botany, Unani, Pharmacy studying in the campus and all those interested in learning about the flora conservation and utilization of the plant resources.

Plant Species in Azam Campus



Acacia gurculiformis



Acacia catechu



Alstonia scholaris



Annona squamosa



Bauhinia purpurea



Bombax malabaricum



Caryota urens



Couroupita gulanensis



Adenanthera pavonina



Adenanthera pavonina



Araucaria heterophylla



Artocarpus heterophyllus



Callistemon citrinus



Calliandra haematocephala



Cordia sebestena



Dalbergia lanceolaria



Aegle marmelos



Albizia lebbek



Azadirachta indica



Brassia actinophylla



Cassia pulcherrima



Cassia siamea



Delonix regia



Erythrina indica



Eucalyptus oblique



Ficus amplissima



Gmelina arborea



Grevillea robusta (silver oak)



Ficus benghalensis



Ficus benjamina



Gliricidia sepium



Hamelia patens



Ficus racemosa



Ficus religiosa



Jacaranda acutifolia



Khaya senegalensis



Leucaena latifolia



Livistona sp.



Melia azedarach



Morus alba



Muntingia calabura



Millingtonia hortensis



Markhamia platycalyx



Parkia biglandulosa



Polyalthia longifolia



Nyctanthes arbor-tristis



Pimenta dioica



Pithecellobium dulce



Peltophorum pterocarpum



Ravenala madagascariensis



Syzygium cumini



Roystonea regia



Santalum album



Samanea saman



Sapindus trifoliatus (ritha)



Sterculia foetida



Terminalia arjuna



Spathodea campanulata



Tamarindus indica



Terminalia catappa



Plumeria rubra



Yucca aloifolia

Plant Species in Azam Campus

Sixty-Two listed Plant species includes **Four Hundred Forty Nine** Plants were observed in the Azam Campus.

Table summarizes listed plants that were identified during the Botanical survey.

Sr. No.	Botanical Name	Family	Total Plants
1	<i>Acacia auriculiformis</i>	Mimosaceae	01
2	<i>Acacia catechu</i>	Fabaceae	01
3	<i>Adenanthera pavonina</i>	Fabaceae	01
4	<i>Aegle marmelos</i>	Rutaceae	01
5	<i>Albizia lebbeck</i>	Fabaceae	03
6	<i>Alstonia scholaris</i>	Apocynaceae	07
7	<i>Annona squamosa</i>	Annonaceae	01
8	<i>Araucaria heterophylla</i>	Araucariaceae	04
9	<i>Artocarpus heterophyllus</i>	Moraceae	01
10	<i>Azadirachta indica</i>	Meliaceae	34
11	<i>Bauhinia purpurea</i>	Caesalpiniaceae	04
12	<i>Bombax malabaricum</i>	Malvaceae	02
13	<i>Brassia actinophylla</i>	Araliaceae	01
14	<i>Caesalpinia pulcherrima</i>	Caesalpiniaceae	03
15	<i>Calliandra haematocephala</i>	Fabaceae	02
16	<i>Callistemon citrinus</i>	Myrtaceae	03
17	<i>Caryota urens</i>	Arecaceae	01
18	<i>Cassia siamea</i>	Caesalpiniaceae	05
19	<i>Cordia sebestena</i>	Boraginaceae	02
20	<i>Couropita guianensis</i>	Lecythidaceae	01
21	<i>Delonix regia</i>	Caesalpiniaceae	25

Sr. No.	Botanical Name	Family	Total Plants
22	<i>Erythrina indica</i>	Fabaceae	04
23	<i>Eucalyptus obliqua</i>	Myrtaceae	04
24	<i>Ficus benghalensis</i>	Moraceae	11
25	<i>Ficus benjamina</i>	Moraceae	21
26	<i>Ficus infectoria</i>	Moraceae	01
27	<i>Ficus racemosa</i>	Moraceae	02
28	<i>Ficus religiosa</i>	Moraceae	05
29	<i>Gliricidia sepium</i>	Fabaceae	02
30	<i>Gmelina arborea</i>	Verbenaceae	03
31	<i>Grevillea robusta</i>	Proteaceae	26
32	<i>Hamelia patens</i>	Rubiaceae	01
33	<i>Jacaranda acutifolia</i> (<i>J. mimosifolia</i>)	Bignoniaceae	06
34	<i>Khaya senegalensis</i>	Meliaceae	03
35	<i>Leucaena latisiliqua</i> (<i>L. leucocephala</i>)	Mimosaceae	03
36	<i>Livistona sp.</i>	Arecaceae	05
37	<i>Mangifera indica</i>	Anacardiaceae	03
38	<i>Markhamia platycalyx</i>	Bignoniaceae	01
39	<i>Melia azedarach</i>	Meliaceae	02
40	<i>Millingtonia hortensis</i>	Bignoniaceae	31
41	<i>Morus alba</i>	Moraceae	06
42	<i>Muntingia calabura</i>	Tiliaceae	03
43	<i>Nyctanthes arbor-tristis</i>	Oleaceae	21
44	<i>Parkia biglandulosa</i>	Fabaceae	11
45	<i>Peltophorum pterocarpum</i> (<i>P. ferrugineum</i>)	Caesalpiniaceae	45

Sr. No.	Botanical Name	Family	Total Plants
46	<i>Pimenta dioica</i>	<i>Myrtaceae</i>	01
47	<i>Pithecellobium dulce</i>	<i>Fabaceae</i>	01
48	<i>Plumeria rubra</i>	Apocynaceae	04
49	<i>Polyalthia longifolia</i>	Annonaceae	42
50	<i>Pongamia glabra</i>	Fabaceae	02
51	<i>Ravenala madagascariensis</i>	Strelitziaceae	01
52	<i>Roystonea regia</i>	Arecaceae (Palmeae)	28
53	<i>Samanea saman</i>	Fabaceae	21
54	<i>Santalum album</i>	Santalaceae	03
55	<i>Sapindus trifoliatus</i>	Sapindaceae	03
56	<i>Spathodea campanulata</i>	Bignoniaceae	12
57	<i>Sterculia foetida</i>	<i>Malvaceae</i>	01
58	<i>Syzygium cumini</i>	<i>Myrtaceae</i>	01
59	<i>Tamarindus indica</i>	<i>Fabaceae</i>	01
60	<i>Terminalia arjuna</i>	<i>Combretaceae</i>	01
61	<i>Terminalia catappa</i>	<i>Combretaceae</i>	02
62	<i>Yucca aloifolia</i>	Agavaceae	02
Total			449