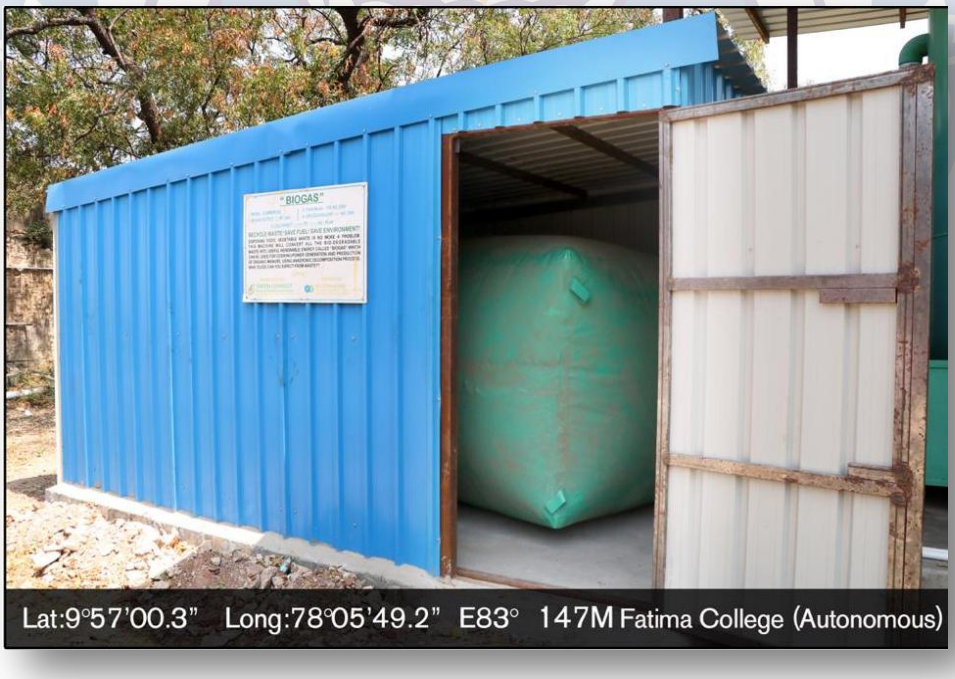
Criterion : VII – Institutional Values and Best Practices

Metric : 7.1.3 – Managing degradable and non-degradable wastes

Year : 2015 - 2020

MANAGING DEGRADABLE AND NON-DEGRADABLE WASTES

BIO GAS PLANT INSTALLED IN THE COLLEGE HOSTEL



Bio Gas As An Effective Fuel Alternative In The Hostel Kitchen

Students Learning The Process Of The Bio Digester

Criterion : VII – Institutional Values and Best Practices

Metric : 7.1.3 – Managing degradable and non-degradable wastes

Year : 2015 - 2020

VERMICOMPOSTING UNIT

Paper Recycling Unit

THE BEAUTIFUL PRODUCTS AFTER RECYCLING PAPER

GREEN COVERAGE: TREES ON CAMPUS

Dr. D. STEPHEN
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TO WHOM IT MAY CONCERN

This is to certify that Fatima College (Autonomous), Madurai-18 has rich biodiversity of 69 species of trees comprises of 34 families and 65 genera, total of 1057 individual trees that includes few species which are Rare and Least Concern category of IUCN Red data list. The list of tree species in the Fatima College campus has been attached herewith.

Date: 20/05/2019

(Dr. D. Stephen)

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ASST. PROFESSOR IN BOTANY
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TAMILNADU, INDIA

LIST OF TREES RECORDED FROM FATIMA COLLEGE (AUTONOMOUS), MADURAI 625 018

S. NO	BOTANICAL NAME	FAMILY	COMMON NAME	NO OF INDIVIDUALS
1.	*Alangium salvifolium*	Alangiaceae	Sage Leaved Alangium	1
2.	*Mangifera indica*	Annonaceae	Mango	3
3.	*Polyalthia longifolia*		False Ashoka	26
4.	*Holarrhena antidysenterica*	Apocynaceae	Kurchi	1
5.	*CAlstonia scholaris*		Devil Tree	1
6.	*Borassus flabellifer*	Arecaceae	Palmyrah Palm	1
7.	*Caryota urens*		Fish Tail Palm	2
8.	*Phoenix pusilla*		Date Palm	1
9.	*Roystonea regia*		Royal Palm	14
10.	*Spathodea companulata*	Bignoniaceae	African Tulip Tree	1
11.	*Tabebuia impetiginosa*		Trumpet Tree	1
12.	*Crescentia cujete*		Calabash	1
13.	*Bombax ceiba*	Bombacaceae	Silk Cotton Tree	1
14.	*Cordia sebastina*	Boraginaceae	Geiger Tree	15
15.	*Cassia fistula*	Caesalpiniaceae	Golden Shower	13
16.	*Cassia javanica*		Javamese Cassia	4
17.	*Cassia siamea*		Iron wood	4
18.	*Delonix regia*		Gulmohar	24
19.	*Hardwickia binata*		Anjan	2
20.	*Peltophorum pterocarpum*		Copper Pod	110
21.	*Tamarindus indica*		Tamarind Tree	47
22.	*Bauhinia purpurea*		Orchid Tree	2
23.	*Bauhinia tomentosa*		Yellow Orchid Tree	6
24.	*Crateva religiosa*	Capparaceae	Mavalingam	2
25.	*Casuarina equisetifolia*	Casuarinaceae	Australian Pine	112
26.	*Terminalia catappa*	Combretaceae	Badam Tree	10
27.	*Terminalia crenulata*		KaruMaruthu	1
28.	*Terminalia bellerica*		Belleric myrobolan	1
29.	*Cycas revoluta*	Cycadaceae	Sago Palm	3
30.	*Shorea robusta*	Dipterocarpaceae	Sal	1
31.	*Emblica officinalis*	Euphorbiaceae	Indian Goose berry	2
32.	*Butea monosperma*	Fabaceae	Flame Of The Forest	2
33.	*Dalbergia sisoo*		Rose Wood	1
34.	*Pterocarpus santalinus*		Red Sander	1
35.	*Pungamia pinnata*		Pungamia	94
36.	Scaevola frutescens	Goodeniaceae	Badraksh	1
37.	*Gossypium arboreum*	Malvaceae	Tree cotton	2
38.	*Thespesia populnea*		Portia	1
39.	*Melia azedarach*	Meliaceae	Persian Lilac	1
40.	*Azadirachta indica*		Neem Tree	365
41.	*Coccus nucifera*	Arecaceae	Coconut Tree	8

42.	*Parkia biglandulosa*	Mimosaceae	Ball Badminton Tree	1
43.	*Prosopis cineraria*		Khejri	2
44.	*Samanea saman*		Rain Tree	20
45.	*Acacia catechu*		Khair	1
46.	*Adenathera pavonina*		Coral Tree	6
47.	*Albizia lebbeck*		Indian Siris	16
48.	*Ficus microcarpa*	Moraceae	Indian Laurel Ithi	1
49.	*Ficus religiosa*		Pipal	2
50.	*Artocarpus heterophyllus*		Jack fruit	1
51.	*Moringa oleifera*	Moringaceae	Drumstick	14
52.	*Psidium guajava*	Myrtaceae	Guava	1
53.	*Syzygium cumini*		Jamun	15
54.	*Bambusa vulgaris*	Poaceae	Bamboo	2
55.	*Ziziphus jujuba*	Rhamnaceae	Indian Jujube	2
56.	*Calystemone lanceolatus*	Rutaceae	Bottle Brush	2
57.	*Morinda tinctoria*	Rubiaceae	India Mulberry	40
58.	*Neolamarckia cadamba*		Kadambam	2
59.	*Ferronia elephantum*	Rutaceae	Wood Apple	1
60.	*Murraya koenigii*		Curry Leaves	4
61.	*Santalum album*	Santalaceae	Sandal Wood	1
62.	*Majedea zanguebarica*	Sapindaceae	Black Pearl Tree	1
63.	*Madhuca latifolia*	Sapotaceae	South Indian Mahua	7
64.	*Mimusops elengi*		Spanish Tree	8
65.	*Achras sapota*		Sapota	8
66.	*Ailanthus altissima*	Simaroubaceae	Tree of Heaven	1
67.	*Simarouba glauca*		Paradise Tree	8
68.	*Holoptelea integrifolia*	Ulmaceae	Indian elm	1
69.	*Tectona grandis*	Verbenaceae	Teak Wood	10

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Green club activities

ORIENTATION SESSION ON SOLID WASTE MANAGEMENT

On 22.08.2019, **Mr. K. Thirupathi, Professor in KM College of Pharmacy & Managing Director of KT greens, (Solid Waste Management Unit) Madurai**, delivered a lecture on how organic waste can be converted into energy or other useful forms.

SOLID WASTE MANAGEMENT

As a part of Green Club activities, students sieved the vermicompost which was already put to decompose. 100 Kgs of compost was generated. The Green Club students involved in these activities also got training in the vermicomposting methods. They are also encouraged to do the same at home.

Apart from dry litter, students regularly collected vegetable and fruit wastes from the two canteens and juice centres, and put them in the compost pit. Fresh earth worms were also introduced into the pit to hasten the composting process.

PREPARATION OF LIQUID DECOMPOSER

Students of Green Club were taught to prepare liquid decomposer by using butter milk, jaggery and cow dung. This mixture was poured into the compost pits to enhance the composting process. Students learned the importance of organic manure and the method to enhance the process of decomposition in a natural way.

PLANTING ALOE VERA & PREPARATION OF HEALTH CARE AND BEAUTY PRODUCTS

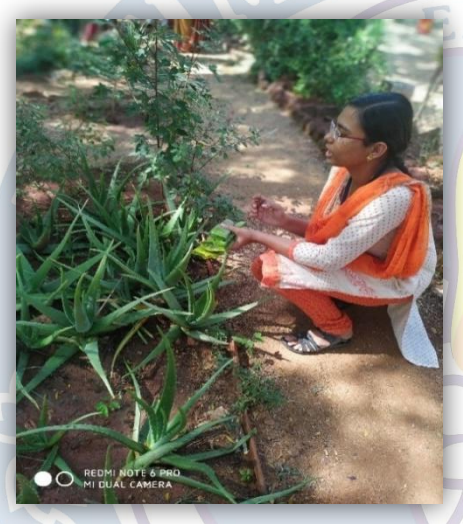
Members of the Green Club brought *Aloe Vera* plants from their home and planted them in the Herbal Garden of the Zoology Department for Preparation of health care and beauty products.

MAINTENANCE OF GARDEN NEAR SAN JOSE CANTEEN

The Green Club members planted 23 saplings near San Jose Canteen. The main aim of this activity is to have a greener campus. It encourages the students to plant trees at home and nearby places.

HANDS ON TRAINING ON "PREPARATION OF HERBAL BEAUTY PRODUCTS FROM ALOE VERA"

Green club in collaboration with the department of Zoology organized a **Hands-on training** on **"Preparation of Herbal Beauty and Healthcare Products from *Aloe Vera*"** on 10.01.2020. The concept was **"Go Green"** to make students grow the plant and prepare products out of it. Dr. B. Vinosha of the Chemistry Department trained the students in preparing the *Aloe vera* Lip balm and *Aloe vera* home made soap. Dr. V. Bharathy of Zoology trained the students in preparing the *Aloe vera* oil, *Aloe vera* juice and *Aloe vera* face gel.




Fatima College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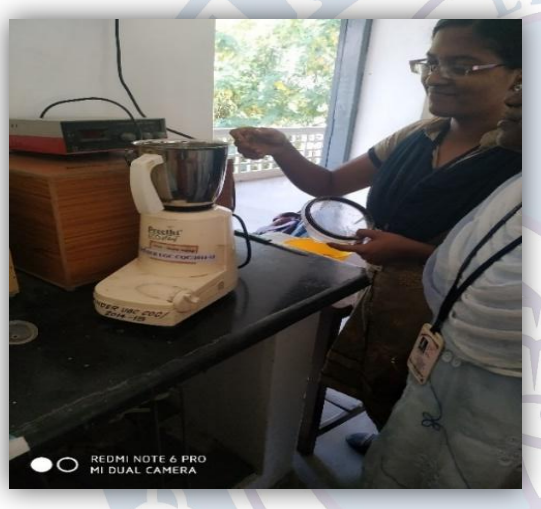
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ALOEVERA SOAP
ALOE VERA LIP BALM

BOTTLE GARDEN MAINTENANCE

The Green Club of Fatima College has taken an initiative of starting Bottle Garden on campus. This initiative was taken to create awareness among students for creating green environment using bottles in minimal space.

HERBAL SAPLINGS

Adhatoda, *Seriyanangai*, *Periyanangai*, *Nithiyakalyani*, *Karunnochi* were planted and maintained by students.

EXHIBITION-CUM-SEMINAR ON SOLID WASTE MANAGEMENT

Green Club and ROSA (Reach out to Society through Action) of Fatima College jointly organised an Exhibition-cum-Seminar on Solid Waste Management on 31.1.2018. This seminar proved to be the meeting ground where students were given the awareness of managing the solid waste and to spread the message: Heal the Earth, Heal our Future. The main Motto of this seminar is creating awareness among College and School students to convert waste into wealth.

The Resource Persons of the day were Dr. S. Aneesh Sekhar, IAS, Corporation Commissioner, Madurai, and Mr. S. V. Pathy, Director, Centre for Environmental Services. The exhibition was inaugurated by Dr. S. Aneesh.

Dr. S. Aneesh Sekhar IAS, Corporation Commissioner Inaugurating the Exhibition

School students visiting the exhibition