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A Study on Male Contraceptive Plants Using Plants Database

S. Saranya [1], Dr. K. Mohan Kumar [2], Dr. P. Murugaian [3]
Research Scholar [1], Research Guide & Head [2]
Department of Computer Science
Assistant Professor [3]
Department of Zoology
Rajah Serfoji Government College, Thanjavur
Tamil Nadu – India

ABSTRACT
Plants played a major role in human's life. Plants are not only used as a food and cloth. History shows, these plants are also used as medicine for different purposes. Big population is a major problem in most of the growing countries like India and China. Many plants are used to control the birth. These herbal plants are easily available in most of the places and won't give any side effects to human beings. In this research birth control plants are analyzed.
Keywords:- Herbal plant, Contraception, Vasectomy, Datatbase

I. INTRODUCTION

Plants have been one of the most useful natural resources in the world. Humans Mostly depends on plants for eating, wearing, and sitting on, writing on and even breathing is only possible because of plants. Plants included here produce or secrete significant quantities of a substance containing esters, which are less greasy, harder, and more brittle than fatty oils. Humans depend on plants more than they think because plants provide many things directly or indirectly such are food, clothing, and fuel and in some cases even shelter.[1]

Types of Plants

The following are different kinds of human used plants. [1]

Drink plant: Plants producing products used in beverages or juices for human consumption.

Edible flowers/buds: Plants that produce flowers and/or flower buds used as edible products.

Edible fruits: Plants that produce edible reproductive bodies that usually have a sweet or starchy pulp and are used for human consumption.

Edible leaves: Plants that produce leaf blades, leaflets, leaf buds, and/or petioles used as edible products.

Edible nuts: Plants with a hard-shelled, one-seeded, indehiscent, dry fruit derived from a simple or compound ovary and used as edible products.

Edible stems/shoots: Plants with above-ground stems, shoots, and/or sprouts used as edible products.

Spice plant: Plants or plant products used for their aromatic properties in seasoning or flavoring food. This category includes spices, flavorings, condiments, and seasonings.

Starch plant: Plants known to produce a high quantity of complex carbohydrates as a chief source of storage, used in human foodstuffs.

Sugar plant: Plants that produce a high quantity of sucrose, fructose, or other types of sugars, via their various organs. This category includes plants used to produce sugars or syrups, or provide sweetness to

confections and candies.

Fatty oil plant: Plants known to contain or produce an unusually high quantity of fatty oil.

Fiber plant: Plants known to produce an abundance of fibrous material used in clothing, textiles, etc.

Tanning plant: Plants commonly used as sources of tannin, which is a soluble, astringent, complex phenolic substance used in tanning, dyes, and medicines.

Herbal plant:[2]

The following are different kinds of human used plants. [2]

Aloe Vera:
The big leaves contain sap is used for Burns, Wounds and cuts, Eczema, Skin allergies, digestive problems and appetite, Chronic constipation, ulcerative colitis.

Marsh Mallow:
The roots of this plant are used for Insect bites, bruises and wounds, Aching muscles, Skin inflammations, Ulcer, Stomach acids, Urine problems.

Pot Marigold:
it is amazingly for uses like Insect bites, Sore eyes, Wounds and stings, Fevers, Infections (chronic), Varicose veins.

Chinese yam:
This plant is used for Tiredness, Diarrhea, Dry coughs, Poor digestion, Helps in weight loss, Problematic urination, Diabetes, Snake and Scorpio bites.

Tea tree:
This plant is used for antibacterial, anti fungal and works best as antiseptic, Burns, Fever, Athlete foot, fatigue syndrome, Vaginal infections, Acne and warts, Insect bites.

Fenugreek seeds:
This plant is used for Labor pain, Inflammations, Digestion issues, Drain ducts, Diabetes (initial), Blood cholesterol levels (low), Refresh breathe.

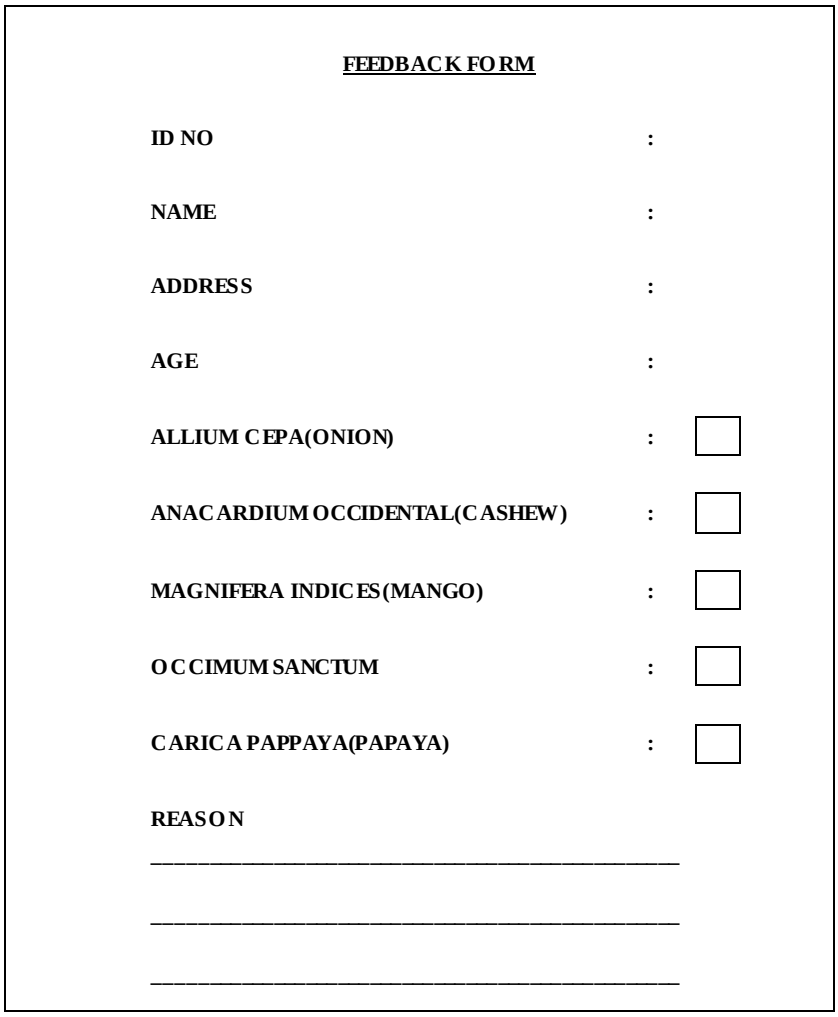
Some of the herbal plants are used to control the birth of human beings. The term contraception is used instead of birth control in life science.

The major issue of this globe is continuous increase rate of population. It will create lot of problems. So many methods are followed to control the increase rate of population. These methods are called contraceptive methods. These methods are applied in male or female gender. Male contraceptives are methods of preventing pregnancy that primarily involve the male physiology. [3] Many methods are used for Male Contraceptive purpose. Some of the popular methods are Use of Condoms, Withdrawal or pulling out, Vasectomy etc. [4]. These methods will create side effects or sometimes failure for human beings. Now, human particularly male use herbal plants for this purpose. Some of the herbal plants used for this purpose are Mangifera Indices[5], Occimum Sanctum[6], Piper betel[7], Tylophora asthmatics[8], Vignaunguiculata[9], Vincarosea (Catharanthusroseus) In domestic animals, castration is commonly used for contraception. [10].

Analyzing various kinds of plants will help human in various ways. This research deals with how to use plants for male contraceptive purpose.

II. MATERIALS AND METHODS

The following questionnaire(Figure-1) is prepared and given to fifty male persons. The plants Allium Cepa, AnacardiumOccidentals, Magnifera Indices, Occimum Sanctum and CaricaPappaya(Pappaya) suggested to the people because, these plants are easily available in all areas in India.



FEEDBACK FORM

ID NO :

NAME :

ADDRESS :

AGE :

ALLIUM CEPA(ONION) : ☐

ANACARDIUM OCCIDENTAL(CASHEW) : ☐

MAGNIFERA INDICES(MANGO) : ☐

OCCIMUM SANCTUM : ☐

CARICA PAPPAYA(PAPAYA) : ☐

REASON

_____

_____

_____

Figure – 1

III. RESULT AND DISCUSSION

The following Table-1 gives an idea about how the plants are likeed.

PLANT ID	NAME OF THE PLANT	TOTAL PERSON LIKED
1	Allium Cepa(Onion)	11
2	Anacardium Occidentals(Cashew)	3
3	Magnifera Indices(Mango)	7
4	Occimum Sanctum(Holly basis)	21
5	Carica Papaya(Papaya)	8

Table -1

The following is the graphical representation of the above table.

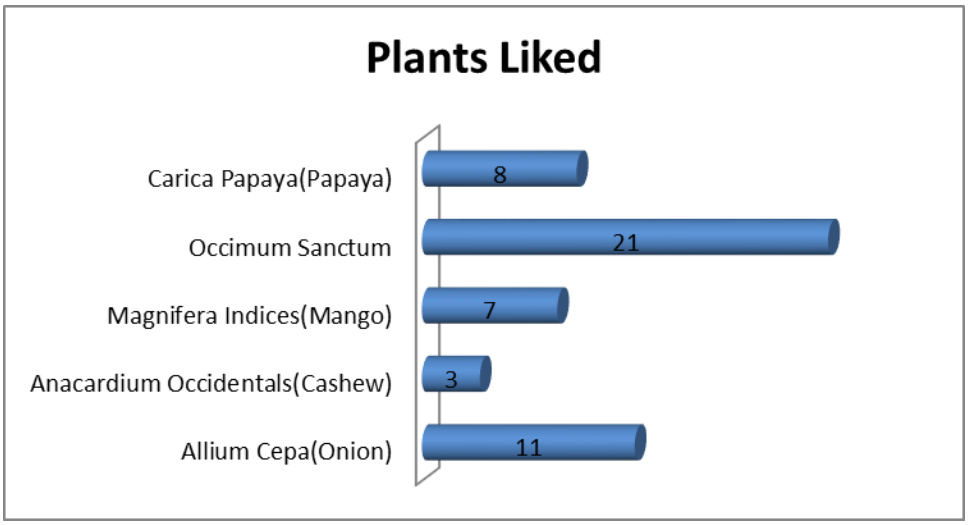


Figure -2

This graph shows that the plant Occimum Sanctum is liked by many people compare with other plants. This plant is available in all over India also this plant is used as a "Prasatham" in temples. The plant Anacardium Occidentals is not liked by many people at age above 30. Their reason is this plant seed is having more fat compare with other.

A database called "Male contraceptive plant data base" is created for this research. It contains thirty six family plants. This data base gives a detailed idea about the plants which are used for male contraceptive. The following Figure-3 shows the home page of Male contraceptive plant database. This database gives all information about herbal plants which are used for male contraception.

Figure 3

If the hyperlink '**Plants**' is clicked the following Figure-4,5,6,7 will appear continuously for 36 families.

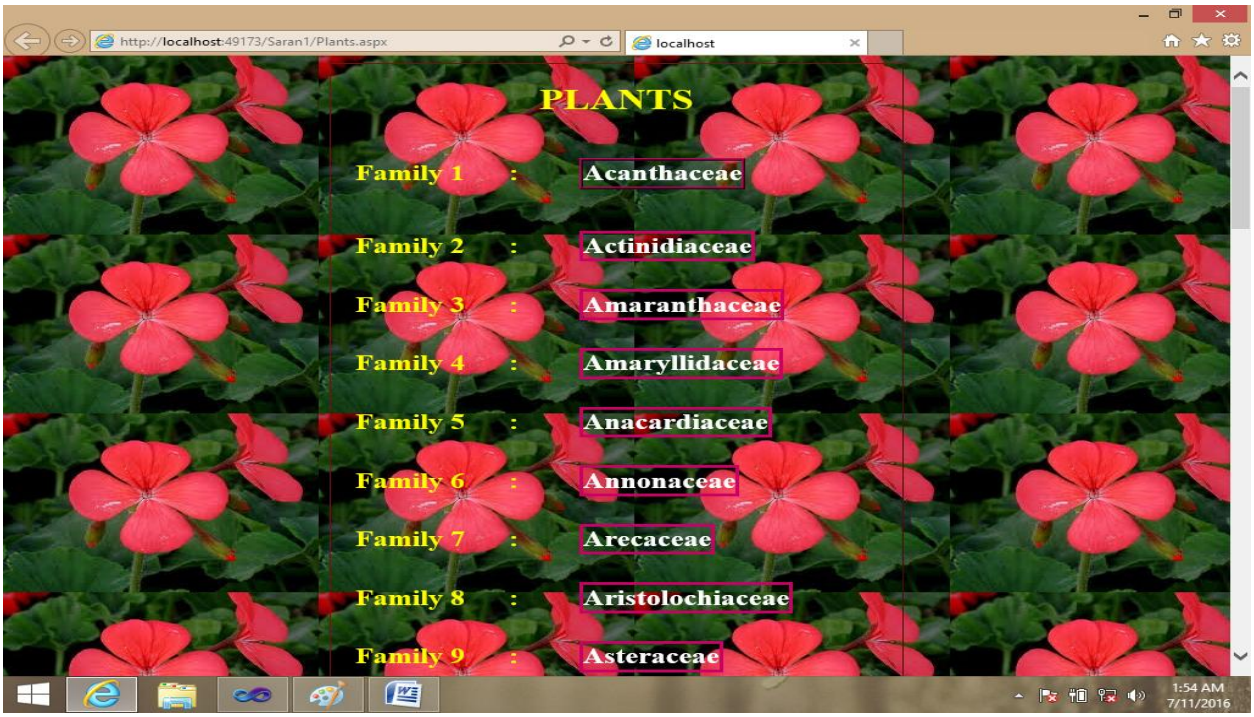


Figure -4

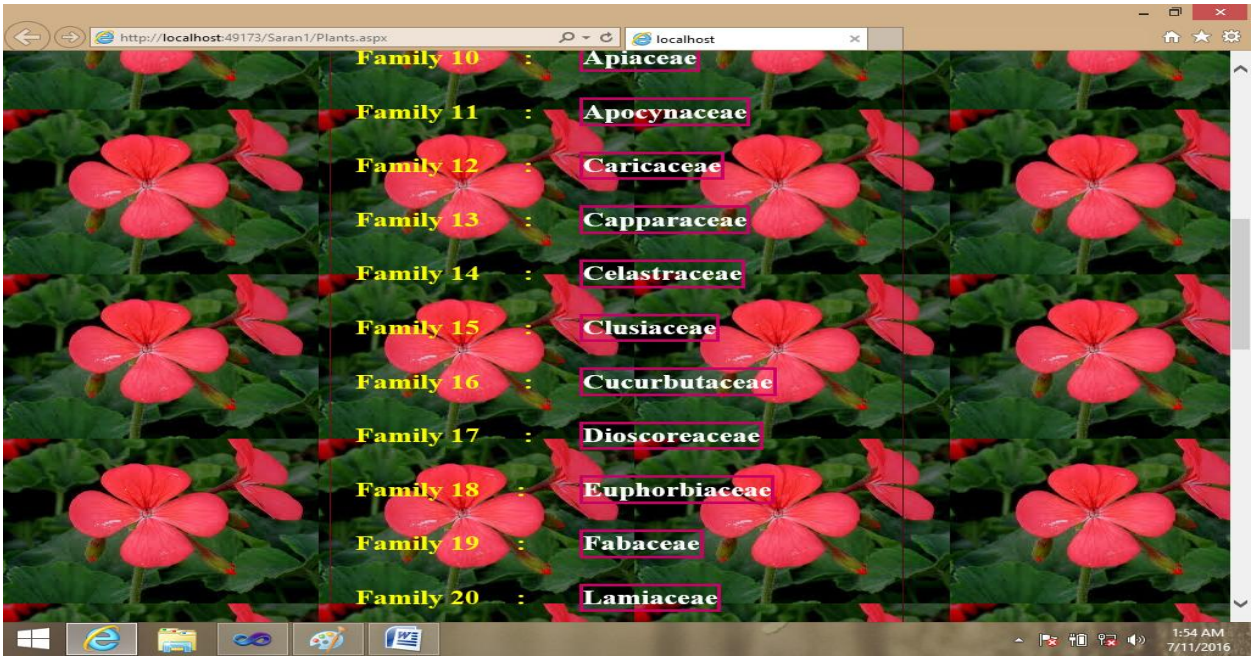


Figure -
5

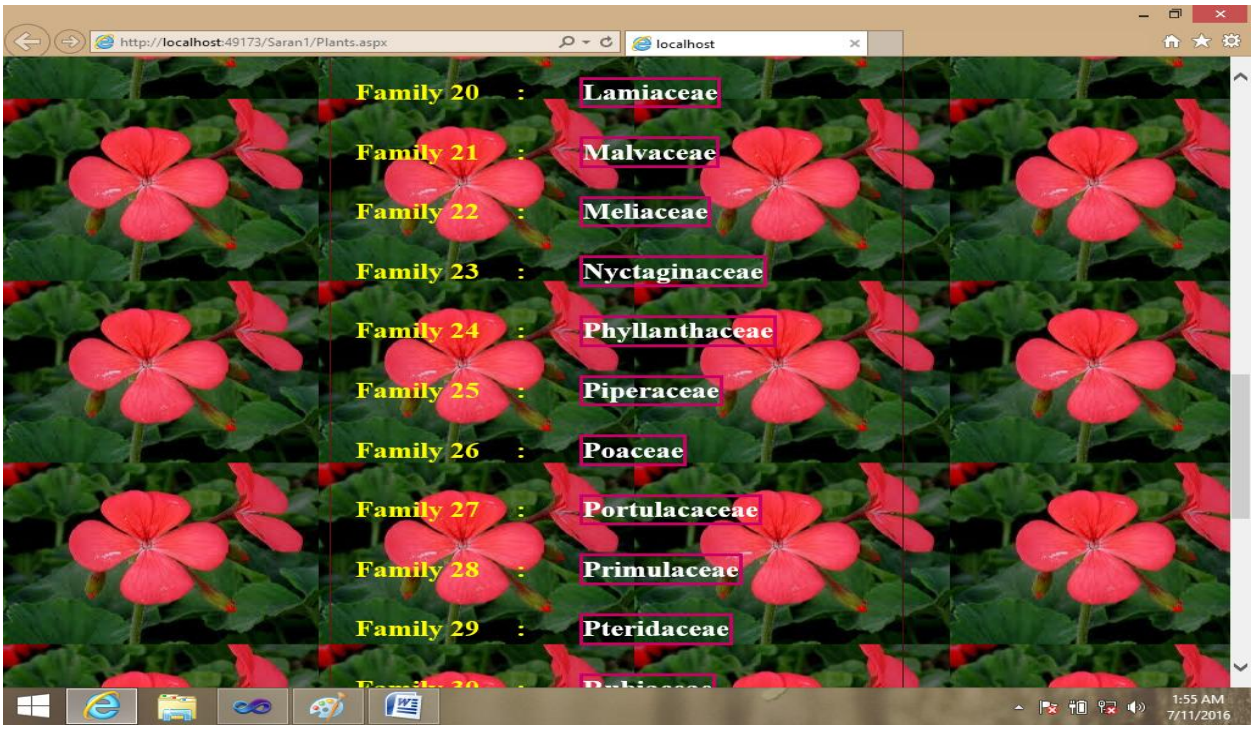


Figure -6

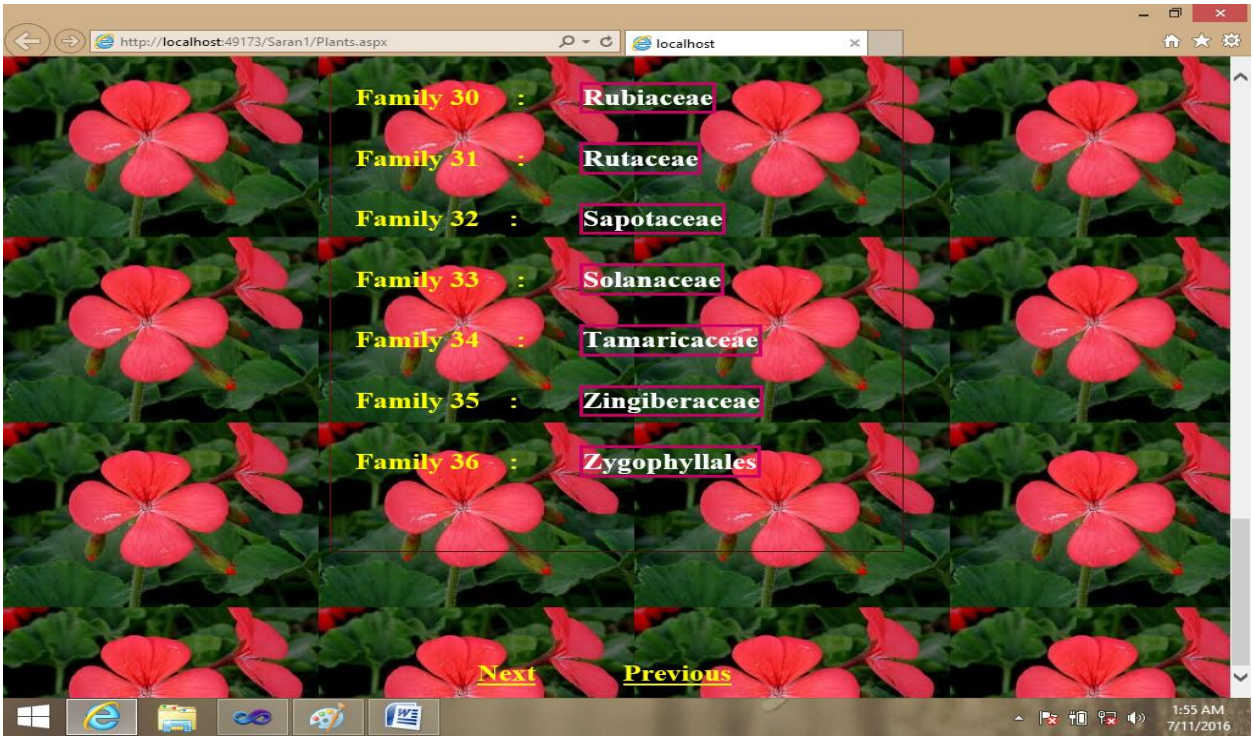


Figure-7

If the hyperlink Family-1, '**Acanthaceae'** is clicked the following Figure-8 will appear.

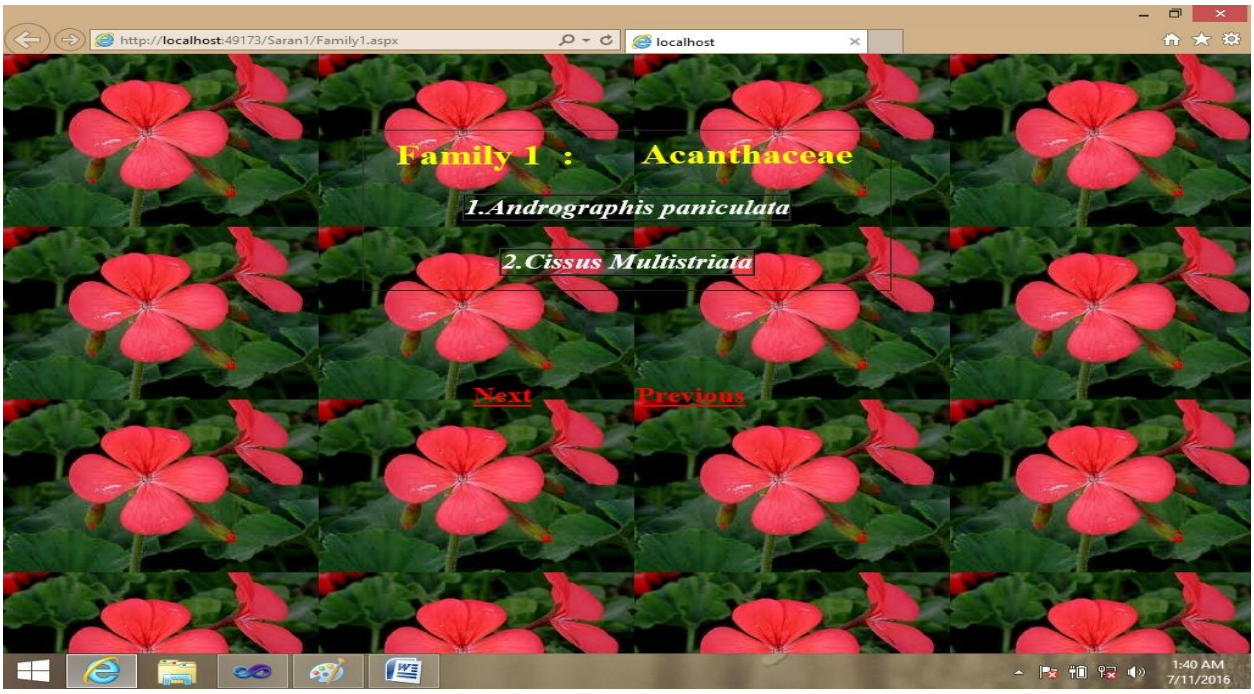


Figure-8

If the hyperlink '**Andrographis paniculata'** is clicked the following Figure-9 & 10 will appear. It will give the details such as kingdom, order, genus, species, habit and habitate details.

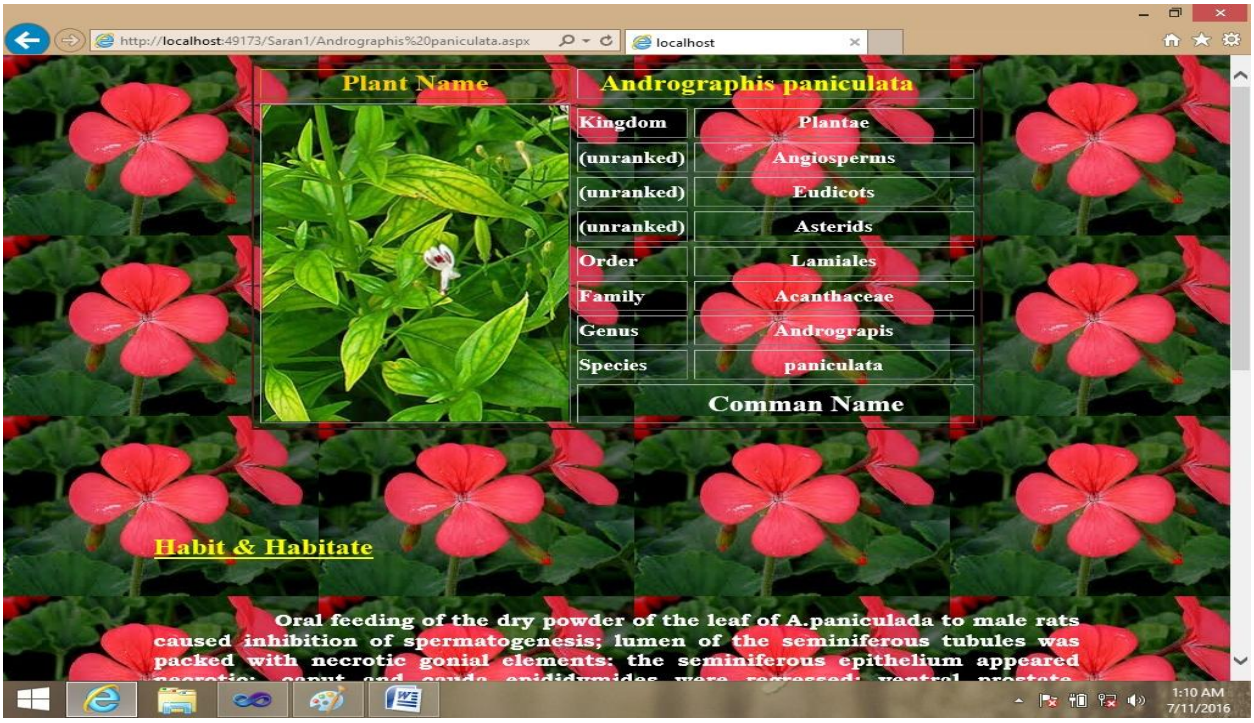


Figure-9

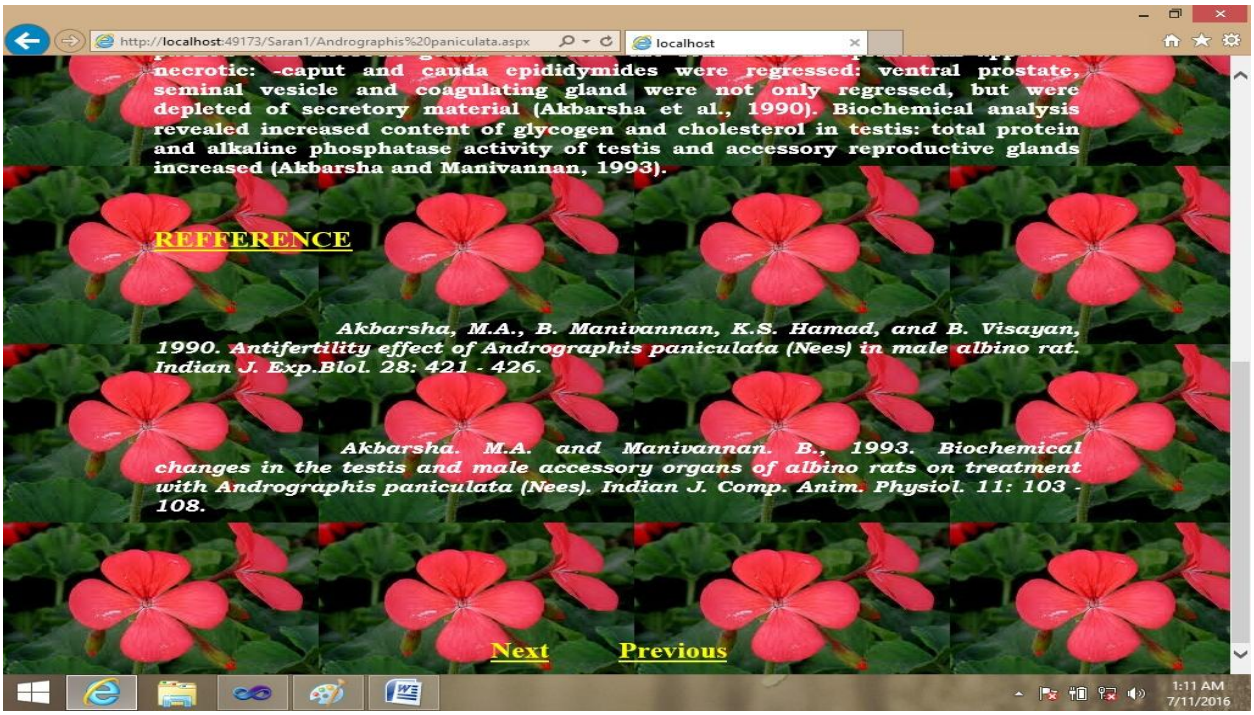


Figure-10

If the hyperlink '**Common name'** is clicked the following Figure-11 & 12 will appear and gives the list common names in Punjabi, Asamese, Arabic etc.

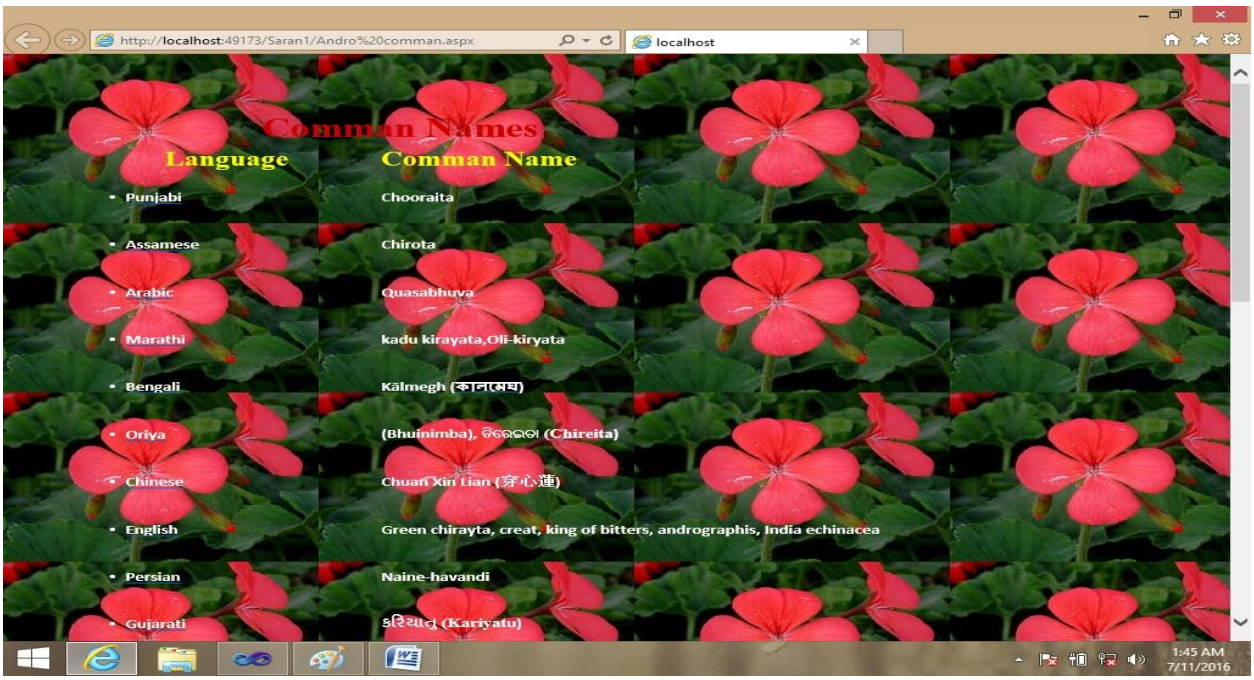


Figure - 11

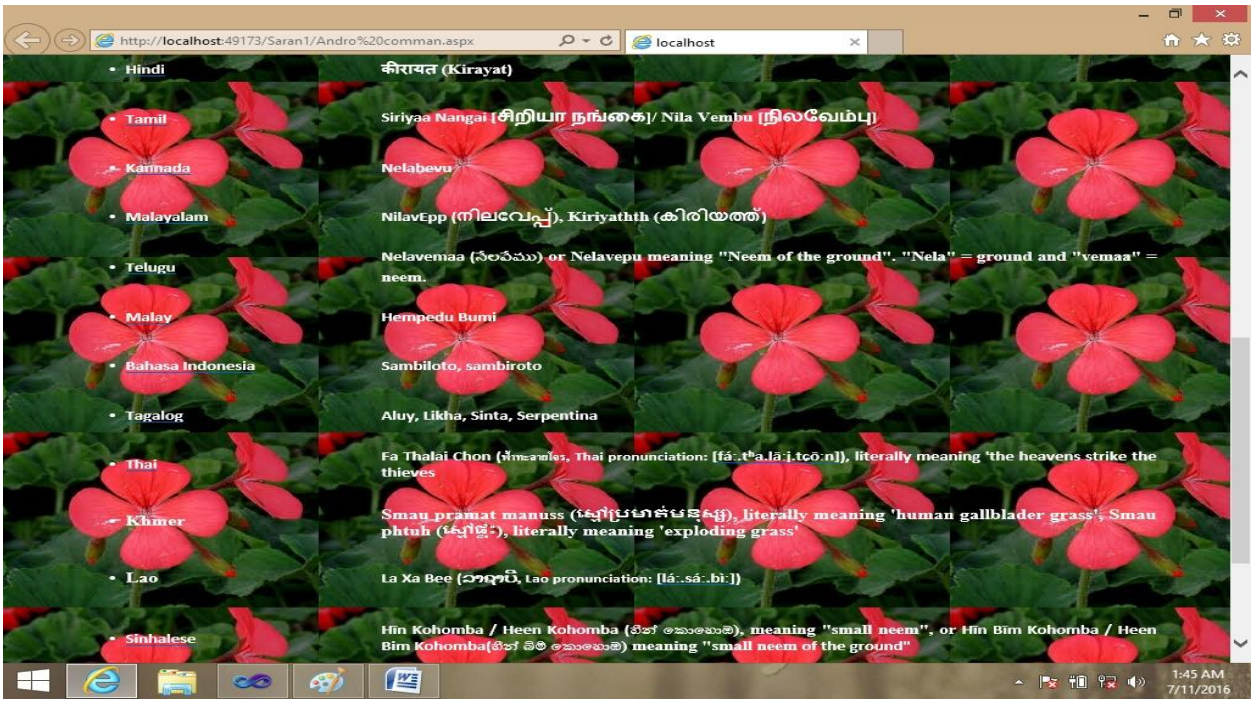


Figure - 12

If the hyberlink '**Cissus Multistiriata**' is clicked the following Figure-13& 14 will appear.

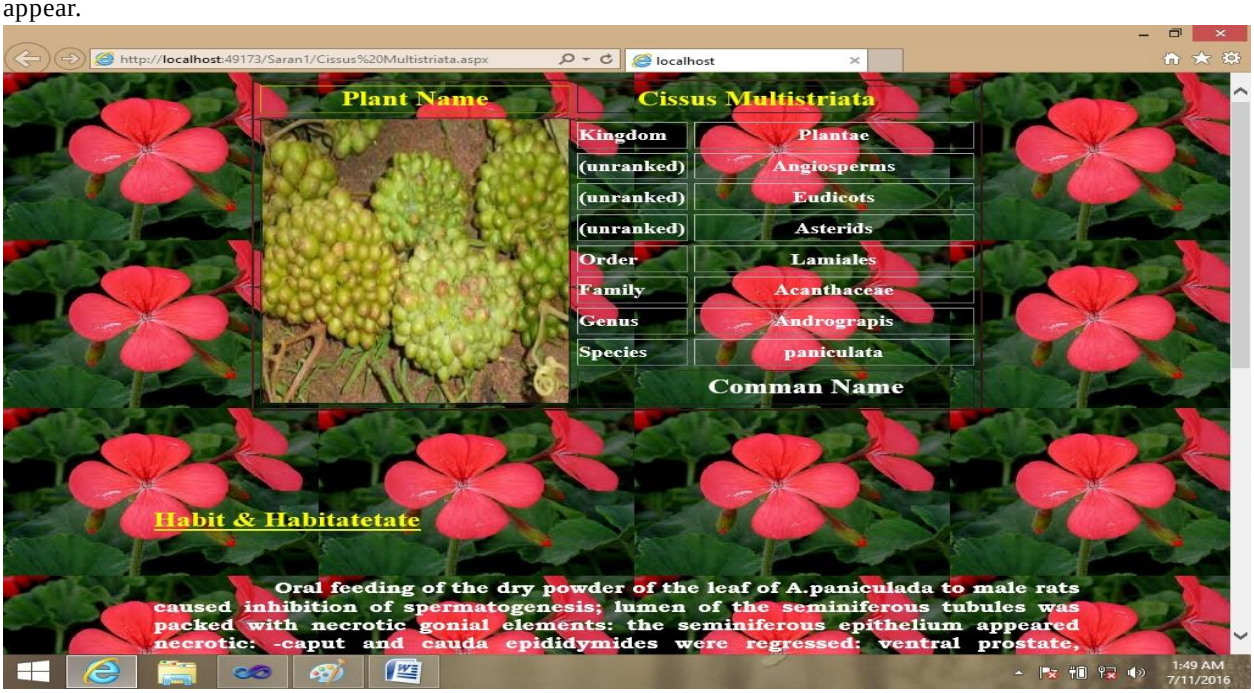


Figure - 13

Figure-14

If the hyperlink, '**Common name'** is clicked this tool will give the list common names in various Indian languages. Similarly we can get the details for plants in different families

IV. CONCLUSION

Many methods are used for male contraceptive purpose. In that using herbal plants will be more effective because, it is available in all places, cost effective and no side effects. This research shows many people like this method very much due to the above said benefits. Male contraceptive plant database will give lot of ideas about male contraceptive plants. It gives plants scientific name, order, family, genus, spices common name detail, habit and habitat. This database is useful for students, researchers who are all studying various contraceptive plants.

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