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Research Article

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Exploratory Study on Suitable Horticulture Trees for Building Sufficiency of Fruits and Nuts from New Transformation of Forestry-Horticulture

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Abstract

A new transformation for enhancing utility and efficiency of forestry ecosystem and reduction of stress due to resting sole reliance on arable ecosystem for livelihood was devised. This endeavor reached to a new transformation from forestry to Forestry- Horticulture so as to enable acquiring fruits and nuts, highly effectively useful in bringing feel good and wellness, foster of good health and wealth for nations, under changing climate. Reviw and connaissance survey of suitable horticultural trees which bear fruits and nuts and not get damaged by birds, monkeys and ground moving wild animals were searched coveing India from it boundary in North to South and from West to East. There occurred plentiful fruits and nut trees, bushes and herbs, which will easily grow at sites in forest where no trees existed. The statistics of forestry revealed that mere 2.7 percent of geographical area occuring under forest (21.338%), is dense forest having vegetation cover density of 70% or more and remaing areas under forest have moderate to low vegetation covearage. This new transformation will quickly enhance forest cover, induce carbon sequestration, produce woods of different qualities and additionally produce fruits, nuts, gums and resins and many useful produces such as leaves, herbs, honey etc. These products will be available locally as all states have their own forests and produce commodities for business and trades with huge employment generations in process from production to consumption. This new bio based transformation is implementable, without creating any disparity or grudge and bringing a plausible livelihood from stressful situation occurring due to global warming and climate change.

Keywords: Acid rain, feel good and wellness, goods and services of ecosystems, hydrologic improvements, livelihood, pandemic and. wild life,

Introduction

With time developments in science and technology coming to conscious, concerns are getting developed on eating good quality food that will have impact on food demand and impact on quality of environment [1]. In this direction utility of nuts and fruits in bringing feel good and wellness is prominent [2]. Global warming and climate change have imposed adverse impacts on different ecosystems. At the same time large proportions of terrestrial land use is brought under forestry. Hence, there is limited scope to fulfill developing huge demands of fruits and nuts mere from arable eco land uses. The forestry system is owned and operated by government and involvement of people, in general is eliminated. Under such situation there is production and consumption process, leading to plant density at places within the forest itself, reducing

utility and efficiency of forest ecosystems. In the early time goods and service from forestry ecosystems were carbon sequestration, reduction of acid rain effect, production of oxygen, production of land resources, reducing adverse impacts of floods and droughts and production of wood of varying qualities and uses. A new bio factor of maintenance of feel good and wellness, the most prominent in developed and under acquisition in the developing countries, largely concerned on maintaining food security as well, are moving fast to acquire feel good and wellness. Needs of fruits and nuts getting increased day by day. Therefore, a new transformation of forestry in to Forestry-Horticulture was brought in author's another study [3] which was based on realization of preferred adaptations of least strenuous path encompassing practices. In this direction Forestry-Horticulture fulfills all idealistic conditions.

Therefore, this study is devoted to have exploratory potential of horticulture plantations, which can easily grow in vacant spaces in forest ecosystems.

Materials and Method Specific Utility of Nuts and Fruits

Although fruits and nuts have always been liked commodities for comfortable life and health recovery from sickness, their availability had been increasing with extension of horticultural services worldwide. However, supply of fruits and nuts lag far behind the needs. In the scarcity of fruits and nuts a mini snack was devised and food menu prepared. On the other hand forestry encompasses high endurance to climate change, thereby least severely affected. Its special characteristic and feature will be explored in further strengthening of such useful commodity bringing feel good and wellness.

Specific Plants Producing Nuts and Fruits

There remain always some gaps in forestry plantations, such gaps need to be replanted. Therefore, plantation of horticultural tree crops which produce fruits and nuts will produce goods and service with acceptable resilience. The trees, bushes and shrubs are to be such that the produces are not damaged by birds, monkeys and ground moving wild animals. The fruits, nuts, gums and resins can be harvested at suitable stage and processed for ripening or fit for marketing, sale and consumptions.

Plantation, Nutrient Supplement and Moisture Supply

The site conditions which are suitable for forestry plantations will also be suitable for horticulture trees, bushes and shrubs. These sites including initial stage of plantation innovative manure can be applied to have enhanced survival, growth and sustainable fruit bearing. For horticultural entities pruning becomes extra activity, necessary guidance can be acquired from horticulturists. New venture of Forestry-Horticulture will get bult that will enhance goods and services of forestry ecosystems. Here convergence of services such training, planting, harvesting, storage and packaging etc. will be highly effective. For example, water harvesting-land formation in arid and semiarid areas will be highly effective, especially for initial stand establishments. Otherwise, a new wing of horticulture in forestry setup need to be created to make free of any burden that inhibit foresters acceptance of new transformation. If objective of enhancing utility of forestry ecosystems is kept in mind, all kind of skepticisms will get changed for favorable adaptations. This measure will reduce gestation period as horticulture trees start fruiting with lower gestation period than forestry, which will enhance flow of goods and services quickly and at faster rate than tose with sole forestry ecosystem.

Countrywide Potential Scenarios

Attempt was made to prepare a country wide scenario from Srinagar in North to Kanyakumari in Southern ends of India. Other extreme start from West in Gujarat Runoff Kutch and the East West Bengal. This coordinate presents scenarios of fair depiction of regions where different types of fruits and nuts can be drawn specially from Forestry-Horticulture newly transformed ecosystem. Forestry Existing System in Different States of India.

The existing areas under forestry ecosystems were drawn from Internet survey, which shows plentiful scope for enhancing its goods

and services. This research is bringing new potential areas, highly resilient among other ecosystems. These forestry ecosystems will get fortified for producing goods and services by transformation them in Forestry-Horticulture Ecosystem, reducing stress on terrestrial ecosystems with no strenuous involvement of country people. This effort will create new world with health and wealth with no stress on working for it. Therefore, it is a new way on precision man oeuvre of existing resources.

New Resource Providing Huge Opportunity for Business and Trades.

When fruits and nuts get extracted from almost one third of Earth's terrestrial areas attempted maintained requirement of one third of geographical areas with countries; there may be some variation in the existing proportion of forestry in countries, for which a supplementary practice of agro-forestry were devised and fortifications launched at different levels. In this situation the new transformation of Forestry-Horticulture will enable produce plentiful fruits and nuts, enabling building of trades and business and employment opportunities.

Data Collection

Reconnaissance review of fruits that can be grown in forestry areas was made covering entire India from Srinagar in North to Kanyakumari in Southern boundary. Likewise, the review survey from West in Gujarat to East, Kolkata in West Bengal was covered. The long coastal boundary of India is full of coconut and arecanut trees along the large coastal bank of India, Which clearly show of suitability of its plantation in Forestry-Horticulture. In central west India smallest nut, highly useful and plentifully available, cultivated commercial crop ground nut in arid and semiarid tract of India was included in Table 2. The list includes entire scenario of fruits, nuts, bushes and shrubs useful in bringing quick relief and wellness. Data on areas under forestry in different states of India as well as all other countries of the world were down loaded from internet survey. These statistics showed interesting facts about good and poor status of forestry in different states and countries.

Results

Use of Fruits and Nuts in Maintaining Feel Good and Wellness

A daily diet chart, designated as mini snacks [2], which should be taken in addition to whatever medicines get prescribed by urologists for a kidney patient under dialysis or under any kidney transplant is presented in [Table 1]. It will bring beneficial change in feel good and wellness. This speedy recovery will make doctor involved to treatment of kidney patients happy as he will always thank that all benefits were coming from his prescribed medicines. This type of situations was observed by a kidney patients (received from his e mail) from Canada who used this mini snack, after exploring a kidney treatment measure, which was finally set to go either for dialysis or kidney transplant. The mail sender applauded the wellness he acquired and described reaction of urologist prescribing treatment in Canada and taking the mini snack menu. The urologist did not believe the wellness brought by the mini snack. Let any urologist feel in whatever way one thinks, real fact remains that patients get well and lot of worries, involvement of family members in attending for patients care, time and expenditure will get saved. This situation additionally validated the author's research on bringing wellness in frequent urinary trouble [2].

It is, therefore, clear to accept utility of new transformation of Forestry Horticulture from where commodities of fruits and nuts are extractable. With time the mini snack (Table 1) will get accepted by the urologists. They will certainly get convinced and patients to adopt mini snack that will be coming from Forestry-Horticulture. The skepticism in urologists will get slowly overcome. The mini

snack is highly scientific and well supported by biochemistry of food and nutrition and change of acidity to non acidity, as brought by antacids. There is nothing unscientific as further fortified by the mail received from Canada, who narrated his actual story of speedy recovery from kidney ailment reached at fatal stage.

Table 1: Daily Meal And Mini Snack Chart

S.No	Day of week	Time,h	BF	Mini snack	Lunch	Mini snack	Dinner	Post dinner	Remark
1					L	17.0	20	22.0	
1	Monday	6.0	8.30	G nut.	L	Crawn beri juice	D	Snjivni/ alter- native	
2	Tuesday	**		Any fruit	L	Assoted fruit	D	do	
3	Wednes day			Roohafja	L	G nut	D	do	
4	Thurs day			Assorted fruit	L	Coconut water	D	do	
5	Friday			G nut	L	Water millon	D	do	
6	Saturday			Crawn beri juice	L	G nut	D	do	
7	Sunday1		·	Cucumber	L	Khushipoori*	D	do	

Sanjeevni (a name given to preparation) and alternative one spoon sugar free Chavanpras

Note all medicine be continued as per ongoing treatment

- 1. Lunch and dinner can be as per liking
- 2. Mini snacks may be changed which can be one of cited or any high pH containing fruits and nuts. Such mini snack should be taen abot 2.5 h after breakfast and lunch.

*Khusipoori is new devised idealized mini snack popular in India in the name of pani poori (which consists of crispy fried pickup and eat shell shaped hollow cookies with specially prepared water based component, taken as replacement of evening tea or taken as evening time pass street vending snack). These mini snacks will instantly eradicate acidity, thereby bring feel good and wellness. The novelty is preparation of supporting water supplement in panai poori, which makes it khushi poori.

Groundnut is commercial agricultural crop, lentful available in markets, highly suitable to be used in eradicating instant acidity to bring immediate feel good and wellness. The physiology of crop is typical as the fertilized flower plants anthrax enter in soil and grow in form of pods with seeds. Therefore, it acquires all chemical characteristics of any nut coming from trees and bushes. This maintains high pH which becomes effective in suppressing acidity and supplements vitamin E, transporting and circulating protein in body. High acidity is responsible for making all kinds of ailments such as diabetics, arthritis, high blood pressure and bad cholesterol

etc. These mini snacks will overcome severe problem of headache and migrains.

Utility of mini snacks will get reflected in fast development of feel good and wellness, ease of passing urine, regulation of urine pH to bring in normal range of 5-8. Both extremes are bad for urinary tract as low pH induces stone formation in kidney and high pH>8 will induce stone formation in gall bladder.

The human body works as an ecosystem, getting its all supplementation viz water, nutrients from intestine, which is the main source of supplementation. When the alimentary canal system's acidity is regulated, all kind of ailments will get eliminated and other systems of production and consumption, (which involves services of ecosystem), will get regulated by the mini snack, which would be coming from Forestry –Horticulture eco system. This new transformation of Forestry-Horticulture is highly sustainable, least strenuous path and entirely under Government control.

List of Trees, Bushes and Shrubs

This section is devoted on exploratory list of suitable horticulture species of trees, shrubs and herbs which are not damaged by birds, monkeys and ground moving wild animals.

^{**}A well tried acidity remover morning Ayurvedic powder to be taken tea spoonful with a glass of normal drinking water

Table 2: Suitable trees, bushes and shrubs and which can be adopted in new transformed forestry-Horticulture *

S.No.	Fruit trees	Bushes	Shrubs	Gums and rasins	Spices			
	Srinagar in North	Srinagar in North to Kenya kumara in South						
1	Walnut							
2	Almond							
3	Pistachio							
4	Bael	Capris deciduas (tenti)	Arus	Acacia gum	Seed spices in Gujarat and Rajasthan			
5	Wood apple		Arus	Guggal				
6	Pears							
7	Tamarind	Mehndi	Basils					
8	Aonla							
9	Cashunuts							
10	Dalchini	cardmum						
11	Coconut	Clove						
12	Aricanut							
13	Gujarat in West to	Gujarat in West to Calcutta in East						
14	Dragon fruit							
15	Bael			Acacia gum and	Seed spices in Gujarat and			
16	Wood apple			guggle	Rajsthan			
17	Jack frut							
18	Sapota							
19	Aonla							
20	Termeric							
21	Jack fruit							
22	Dalchini				Black pepper			
23	Coconut				Cardomum			
24	Aricanut							

^{*}This list can be updated as and when suitable species come to knowledge.

Although seed spices are grown in small areas in kitchen gardens, agro-climatic situation favor cultivation of seed spices namely coriander, methi, saunf and ajawin in western state Gujarat and Rajasthan.

The scrub forest in arid and semiarid areas where acacia grows, it should be intensified for harvesting of acacia gum. In these forest bushes should be planted to extract guggul and catchu which are used in developing products for bringing feel goods and wellness.

Areas under Forestry in India

Available information on areas under different types of forest in different states of India are brought out here (Table 3). In 2017,

Haryana had the lowest forest cover with respect to total geographical area in India at 6.79 percent. Trailing closely behind was the state of Punjab with 6.87 percent tree cover. Both Haryana and Punjab are located in the northern part of India. According to Forest Survey of India (FSI), the forest cover by State/UT in India in 2015 is listed below (Table 3).

Very Dense= All lands with tree canopy density of 70 percent and above.

Moderately Dense= All lands with tree canopy density of 40 percent and more but less than 70 percent.

Open Forest= All lands with tree canopy density of 10 percent and more but less than 40 percent.

Table 3: Area under forest cover in different states and union territory of India (Area in square kilometers)

State / UT	Geographical Area	Very dense	Moderately dense	Open forest
Andhra Pradesh	162,968	421	14,352	11,233
Arunachal Pradesh	83,743	20,806	31,181	15,167
Assam	78,438	1,425	11,256	14,857
Bihar	94,163	248	3,362	3,644
Chhattisgarh	135,192	7,001	32,305	16,253
Delhi	1,483	6.94	57.15	154.68
Goa	3,702	536	580	1,094
Gujarat	196,244	378	5,198	9,134
Haryana	44,212	28	444	1,108
Himachal Pradesh	55,673	3,225	6,387	5,095
Jammu & Kashmir	222,236	4,061	8,815	10,112
Jharkhand	79,716	2,601	9,692	11,231
Karnataka	191,791	1,783	20,177	14,489
Kerala	38,852	1,529	9,328	8,421
Madhya Pradesh	308,252	6,586	34,837	36,003
Maharashtra	307,713	8,685	20,792	21,222
Manipur	22,327	729	5,964	10,390
Meghalaya	22,429	417	9,555	7,290
Mizoram	21,081	135	5,800	12,782
Nagaland	16,579	1,284	4,690	6,965
Odisha	155,707	6,985	21,470	22,005
Punjab	50,362	0	733	1,038
Rajasthan	342,239	77	4,414	11,615
Sikkim	7,096	499	2,157	697
Tamil Nadu	130,060	3,005	10,472	12,731
Telangana	112,077	465	11,340	8,049
Tripura	10,486	110	4,699	3,111
Uttar Pradesh	240,928	2,171	4,043	8,187
Uttarakhand	53,483	4,804	13,662	5,806
West Bengal	88,752	2,943	4,176	9,707
Andaman & Nicobar Islands	8,249	5,686	685	380
Chandigarh	114	1.36	13.92	6.38
Dadra & Nagar Haveli	491	0	80	126
Daman & Diu	111	1.4	5.82	12.39
Lakshadweep	30	0	17.22	9.84
Puducherry	490	0	28.78	28.17
Total	3,287,469	88,633	312,739	300,123
Total %	-	2.696	9.513	9.1293/21.3383

Around 2.7 % of geographical area in India is dense forest and remaining total forest area is having good scope of fortification by transformations in Forestry -Horticulture that will enhance forest cover and goods and services of forest resources, in general. This data establish that the vast forest areas are not serving purposes for which country had been trying to focus. Therefore, the new transformation of Forestry-Horticulture is highly suitable and called for enhancing goods and services, with least interference by farmers that will enable country cope up during the climate change. As revealed in previous sections all trees, bushes and shrubs will grow well under the forestry condition. It will bring sufficiency of fruits, nuts and herbs usable by people in acquiring feel good and wellness. All gums and rasins extraction will get revamped. This venture will enable fostering harvesting of honey from forest which might be going in one way or the other, but concerted effort will make a regular source and avenue for making products in bringing wellness. This is one example of working of nature in fostering goods and services of newly transformed Forestry-Horticulture.



Figure 1: Bee, flower and nectar collection by bees enhance pollination hence, the bees become friendly agent fostering production of fruits and nuts. Honey is important ingredient in medicines.

Working Arrangement in Fortification of Forestry-Horticulture

There exist forest service completely owned by the governments, who only focus on increasing forest cover and remain satisfied by wood productions. Whatever things appear other than wood by natural processes are accepted as minor forest produce. It is very necessary to enhance goods and services of entire forest areas in the country. List of horticultural trees, bushes and herbs should be incorporated that will be usable as mini snack (Table 1) in small quantities per person to produce feel good and wellness. Although fruits and nuts are being cultivated by regular fruits and orchards, the demand is high and the cost becomes unaffordable. Production of such commodities will ease out local availability.

The new transformation requires fortification of manpower in regular cadre with horticulture specialty. The arrangement will provide wealth and prosperity without any increase in country major reformation in existing administrative arrangements. This transformation will enhance increase in forest cover and enhancement in goods and services under changing climate condition.

Regular horticulture departments in Agricultural Universities spread though out all states should be added as a regular department of Forestry-Horticulture in all universities. These academic departments will share responsibility of research on finding suit-

able species in their own regions and train working hands for taking employment in emerging needs of the venture of Forestry –Horticulture. This will be new development in enhancing feel good and wellness, enhance life comforts, wealth business and trades and bring many designer quality change in any country of world.

Scenario of Forest-Horticulture in Global Perspective

The feel good and wellness is human centred approach and newly formed Forestry-Horticulture is equally applicable for all countries of the world. It is here again emphasized that this new transformation is a new innovative perception and substantiated, will be equally applicable for all countries [Appendix table]. Countries are worrying for increase in population and this new transformation will equip all countries to effectively manage their land resources and ecosystems for bringing good health and wellness. This situation will change entire scenario at world scale as a new innovation. This human centred innovation will overcome bad situation of global warming and any development in science and technology of the past. This innovative development is bringing new world as when one is surviving, there is world, otherwise nothing. The new mini snack supported by fruit, nuts and herbs, will come from forestry-Horticulture. In addition to these facts, the new transformation will provide trades, business and solve problems of livelihood and food security. The mini snack (Table 1) will enable building new transformations as exemplified by Khushi poori and many instant relief providing pouch of Tambul, card mum (eliechi, colanut or aricanut and may more.

Enhancements in Business and Trades

There will emerge commodities and volume which need to made available throughout the country. This situation will demand trained manpower for marketing and sale. Lot of manpower is existing in country, which will contribute in making commodities available in country. The globalization of business will enable make coomodities which are plentiful in any country to other countries, thus, this innovation has limyless opportunity, wiyhout any addition reformation or involvement of monry. As the minstress brings instant feel good and well ness, it will induce cordial relation in people, and convince them thnk of better comfortable long secured life. This aspect requires another study, but her this study makes impressive change in existing scenarios.

Discussion

There is forestry ecosystem spread throughout all states of India occupying nearly 21.338% of geographical area of India. In this huge area only 2.7 % is dense forest having vegetation coverage more than 70 %. Other areas have vegetation coverage in 40-69% and lower 10-39% coverage. In spite of huge effort made in this sector of land use the increase in vegetation coverage is very insignificant. The forestry ecosystem is least adversely affected by climate change. Studies have established [2] that mini snacks constituting nuts and fruits are ideal food based regulatory measure to bring feel good and wellness. These fruits and nuts are usually drawn from horticulture by exerting tremendous stress on terrestrial arable ecosystems. The new bio factor emerging study leads to development of practices which encompass least strenuous path. In the study it was established that a new transformation of Forestry in to Forestry –Horticulture to augment goods and services from government owned department, which can be easily adopted, without any strenuous difficulty was devised and substantiated {2}. This newly transformed ecosystem will provide tremendous volume of fruits and nuts which will bring wellness and health prosperity. Many such issues are getting ratified in this discussion under different sub heads.

Efficacy of New Transformation of Forestry-Horticulture

An exhaustive list of horticultural trees, bushes and shrubs are withdrawn in Table 2, which will grow in forest areas in forest gaps and will not get spoiled by birds, monkeys and ground moving wild animals. These trees will start giving fruits within short span of time i.e. with gestation period for waiting for harnessable goods. This commodity of fruits and nuts will be bringing instant feel good and wellness, enhance goods and services of forestry ecosystems, and provide quick coverage increase for which forestry is justifiably launched. When this sector produces the fruits and nuts it will be plentifully available to public as local forestry will cater local needs. Thus, scope of bringing such comfort building commodity at affordable rate, will be applauded by people praising good governance.

New Transformation Will Provide Plausible Livelihood

When huge area is brought under horticulture trees, bushes and herb plantation, there will be plentiful scope of extracting such goods and service from forestry eco system, thereby a reduction on stress in agricultural ecosystems, which are highly susceptible to climate change.

Good Quality Fruit Enable Plentiful Improvement in Health and Prosperity

The mini snack [Table 1] is fast overcoming of acidity in human body, which can get instantly regulated by the mini snack. Instant wellness and feel good will prompt fast and concentrated attentive working that will enhance working efficiency of people engaged in any business. Thus, quality of job performance will be better than with any sickness involving effort. The expenditure on hospitalization and trouble will also get reduced.

New Transformation If Forestry-Horticulture as Building New Resource for Country

The large geographical areas lying under forestry will get revamped and resources produced by Government, can be regulated for control. Thus, this will enable rational distribution of such useful commodities as a fair governance. The happy people will bring many productive output and enhance prosperity.

Forestry- Horticulture a Wonderful Reformation Is a Novel Intellectual Property

Although forestry has been existing since long time back, transformation is new bio factor based adequately substantiated transformation for developing plentiful commodities from forest ecosystem to benefit large gentry at reasonably accessible level and affordable prices in country and world. Therefore, such wisdom of bringing productive transformation by improving arrangement is highly warranted and welcome intellectual property. The productivity enhancement and reduction of gestation is new indicator index that too without any huge demand of budget and effort. Regular department manpower should be organized to enhance utilizing this intellectual property, which will magnify the impact in multiplication and diffusions of benefits to the gentry of country

and the world.

Fruits and Nuts as Remedy for Many Pandemics

The fruits and nuts are alkaline in nature, which instantly overcome acidity. Any patients getting sick by any ailment, first thing happens is that one becomes unable to take meal. Empty stomach will produce toxic gas and acidity in alimentary canal. The mini snack will enable any sick person overcome acidity and get well soon. Therefore, regular consumption of the mini snack will build immunity and eliminate acidity so patient will recover fast. It is brought here clearly that this study has provided scientific backing of food consumption and utility. Planned regulated food, acidity elimination of acidity will enable least susceptible to fall sick and any sick person recover fast. This situation will save lot of precious human lives lost in pandemic. Further, regular intake of mini snack keeps person healthy, irrespective of whatever kind of food one takes. This scientific development brings new comfortable life style free of any food restriction. Studies have also come out that regular eating of fruits and nuts enable people get least affected (one in 12) by pandemic such as Covid-19. This study support that acidity overcome by fruits and nuts help one overcome stress, which get severe in sickness. Thus, the present study provides scientific backing for such studies. This will prompt people to explore such facts and intensify developments in this direction. Development of ecosystem services for chain beak were also devised [5]. Development of human resources of specific skill will be possible to cater large requirement of human resources [6].

Relevance, Efficient, Effective, Impact Producing and Suatainable (Reeis) Development

This bio factor supported new transformation of Forestry –Horticulture is very relevant in present situation of climate change, highly efficient, effective and instant provider of feel good and wellness and highly sustainable as forestry is least susceptible to climate change among all ecosystems. Thus, this research is highly relevant to the situation of climate change adaptations.

Strength, Weakness, Opportunity and Threat (SWOT) Analyses This research is very scientifically supported, it is free of any weakness, it creates plentiful opportunities and free of any likely threat. Thus, this research comprises all necessary features and characteristics of any ideal intellectual property fulfilling need of all countries.

Conclusion

This exploratory study enabled produce long list of horticultural trees, bushes and herbs, which will grow in forest areas with no damage from birds, monkeys and ground moving wild animals. Such fruits and nuts will be highly useful in bringing feel good and wellness in the public. The bio based transformation of forestry in to Forestry-Horticulture will enhance good and services of forestry ecosystems and make countries wealthy and prosperous. The mini snack devised in the study will fortify immunity, resistance to any sicknesses and improve working efficiency in any performance of any human centered organized jobs—and productivity. This bio supported transformation will equip countries of world accomplish all short falls of resources such as land, water, physical labour and economic affordability. As this transformation does not involve he money, it will facilitate the department of forestry in accomplishing set expected objectives. It will get quickly adopted

by the Government world over countries. This transformation and adaptations will bring a new prosperous and healthy world.

Certificate of no conflict of any iteres

It is certified that there exists no any conflict of claim for authorship. It as also clarified that this study did not avail funding, be Government institutional, non-governmental or social organiza-

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Subdivisions and territories

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All areas are given in units of 1000 hectares. Source: Food and Agriculture Organization of the United Nations

Table 4: Scenario of forestry and nature of cover devloment progress.

Country	1990	2000	2010	2020
British Virgin Islands	4	4	4	4
Cook Islands	15	16	16	16
French Guiana	8,125	8,079	8,037	8,003
French Polynesia	144	149	149	149
Gibraltar	0	0	0	0
Guadeloupe	73	72	72	72
Guam	24	24	24	28
Isle of Man	3	3	3	3
Marshall Islands	9	9	9	9
Martinique	48	49	50	52
Mayotte	19	16	14	14
Niue Niue	19	19	19	19
Northern Mariana Islands	34	32	30	24
Pitcairn Islands	4	4	4	4
Réunion	88	91	94	98
Saint Kitts and Nevis	11	11	11	11
Saint Martin	1	1	1	1
Saint Pierre and Miquelon	2	2	1	1
Turks and Caicos Islands	11	11	11	11
■ Wallis and Futuna Islands	6	6	6	6
Western Sahara	665	669	665	665

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