









mostly useful are Caper-bush, *Teclea nobilis*, Governor plum, Shrub verbenas, Curry bush, Sibipiruna, Bankanas, *Viola serpens* Var., Bitter Oleander, Grains of paradise, Ginseng, Toothache Plant, *Alstonia*, Cheesewood, Damsisa, Um Galagel, El-Handal, Kamun-Aswad, El-Hargel, Sunkurtae, Feaxxo, Bissano, Chugughee etc. (Gupta A. *et al*, 2014).

Plant species that are used as antimalarial medicines are given below:

Family	Species
Annonaceae	<i>Annona muricata</i>
Anacardiaceae	<i>Mangifera indica</i>
Crassulaceae	<i>Kalanchoe pinnata</i> Lam
Cucurbitaceae	<i>Momordica charantia</i>
Euphorbiaceae	<i>Jatropha curcas</i> , <i>Ricinus communis</i>
Fabaceae	<i>Senna occidentalis</i> Link, <i>Senna tora</i>
Malvaceae	<i>Sida rhombifolia</i>
Menispermaceae	<i>Cissampelos pareira</i>
Zingiberaceae	<i>Zingiber officinale</i> Roscoe

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G. *et al*, 2004).

**Rabies:** Natural products of herbal plants are safer than antibiotics. Therefore, majority of people in the world prefer mostly the use of Ayurvedic plants for the treatment of infectious diseases like rabies. (Panda A.K. *et al*, 2013). *Alarka* (Rabies) is a disease of central nervous system that is highly fetal, and acute. *Alarka* is an infectious disease that is found in worm blooded animals such as dogs, wolves and Jackal etc. It is zoometric disease. It is caused by Lyssavirus type 1. (Savita B. *et al*, 2014). It is estimated that 10,000 people per annum losses their life because of rabies in Ethopia in which more cases of children are seen under the age of 14 years. Vaccines of rabies are inaccessible and costly, therefore people prefer herbal treatment of rabies that is easily accessible and affordable. (Admasu P. *et al*, 2014). Nearly, 35000 people die from biting of rabid dogs each year world-widely. Rabies transmission rate depend on population density; rabies transmission rate can be break off by dropping density of population from certain level. (Wandeler I.A. *et al*, 1993). This disease is transmitted to humans by rabid animals through their licks and bites. It is the cause of more than 95% human death in Asia and Africa but it is also found in all continents exception of Antarctica. In ayurvedic language *Alarka*

is defined as visha. (Savita B. *et al*, 2014).Initial symptoms are mild but they become serious. Starting symptoms lasts for 2 to 10 days before the development of severe symptoms. Initial symptoms are fever, feeling unwell, feeling anxiety, headache and feeling sensation of pain or tingling at infectious site in some people. Advanced symptoms are aggressive behavior, hallucination, agitation, producing lots of saliva. When affected person get started to perform activities of an animal which bite him then he will become incurable. When affected person see the image of an animal from which he got bitten, in water or mirror then it becomes incurable. Jalasantrasa (Hydrophobia)-When affected person becomes frightened by touch, looking towards water or by listening sound of water such condition is called as Jalasantrasa (Hydrophobia), it is incurable (Savita B. *et al*, 2014).

**By a survey a detail of animal biting is given in table below:**

Biting Animals(%)		Urban	Rural	Total
1	Dogs	91.9	91.4	91.5
	• (%Pet)	40.0	36.4	37.1
	• (%Stray)	60.0	63.6	62.9
2	Cats	4.9	4.7	4.7
3	Monkey	2.7	2.1	2.2
4	Pig	0	0.5	0.4
5	Rat	0	0.7	0.5
6	Cow	0	0.1	0.1
<b>Wild</b>				
1	Jackal	0	0.3	0.2
2	Bear	0	0.1	0.1
3	Other/not stated	0.5	0.1	0.3
<b>Fat of Animals (%)</b>				
1	<b>Dogs</b>			
	• Alive	67.1	59.3	60.8

	• Died	5.3	7.9	7.4
	• Killed	5.9	13.0	11.6
	• Unknown	21.7	19.8	20.2
2	<b>Cats</b>			
	• Alive	66.7	67.6	67.4
	• Died	0	5.9	4.7
	• Killed	0	8.8	7.0

Table: Detail of animal biting (Sudershan.K.M. *et al*, 2006)

**Treatment:** 1) If poison is aggravated in a person then he has no chance of recovery, hence poison should be aggravated to perform before reaching that stage of aggravation. 2) Removal of blood containing poison from site of bite then burnt the affected site by pouring hot ghee on it. After that, apply Agada (Antipoisonous medicine) on that area. 3) Person having rabies disease should drink Puran ghrita and purgative drugs along with milky sap of arka (*Calotropis procera*). 4) To recover the local symptoms of dog bite, apply paste of tila (*Sesamum indicum*), guggula (*Commifera mukul*), durva (*Cynodon dactylon*), dadima (*Punica granatum*) and guda as a worm poultice, is best in repeated manner. (Savita B. *et al*, 2014).

**Jaundice:** The word jaundice derived from jaune means yellow. In this situation whites of the eyes, skin and colorless body fluid become yellow and in the blood stream bilirubin aggregate occur. (Bhuwal R. *et al*, 2011) Jaundice itself not a disease instead its symptoms show in other diseases. Yellowish skin and white of the eyes turned to yellow depend upon bilirubin quantity. If jaundice appear in body then it results in many diseases that damage the liver, such diseases are Hepatitis A, Hepatitis B, Hepatitis C, Hepatitis D, Hepatitis E, liver cirrhosis, liver cancer, hemolytic anemia and malaria.(Abbasi M.A. *et al*, 2009) Bilirubin become yellow when its amount slightly increase. When its amount too much high then its color change to brown. (Amiri S.M. *et al*, 2014). Cause of Jaundice in patient with injury is that, bilirubin level increase, the reason of this is that, the rupture of additional blood and transfer due to liver disability. (Hung N.L. *et al*, 2015) Bilirubin might be harmful to the central nervous system. (Haq I. *et al*, 2017) Jaundice is sign of situations that are not dangerous and those that are fatal for the body. (Taylor A. *et al*, 2012). Jaundice also cause other diseases such as diabetes and loss of appetite. (Shankar R. *et al*, 2016). In humans it is a common liver disease occur due to virus that is Hepatitis A to

Hepatitis G and Non A to Non G Hepatitis. When liver get more bilirubin from blood then it cause jaundice. In this disorder death of red blood cells take place quickly and in the blood big amount of bilirubin secrete, it cause liver disorder. The movement of bile and bilirubin from liver less penetrate in intestine because bile ducts blocks. Jaundice also cause other diseases such as diabetes and loss of appetite. Addiction of alcohol and take spoil food are major reason of this disease. (Shankar R. *et al*, 2016).

**Treatment:** There is no exclusive control but herbal plants play an important role in treatment of jaundice. The most influential families are astraceae have three species followed by euphorbiaceae, moraceae, anacardiaceae and poaceae, each have two species.

Medication for jaundice have two ways for preparation, it make from single plant or from more than one plant. In such medication water act as a medium and take with sugar and water. This preparation have six divisions, decoction 31%, juice 23%, extract 20%, powder 20%, fresh part 6% and paste 3%, all of which taken orally. (Abassi M.A *et al*, 2009). *Capsicum annum* in family solanaceae that have common name mircha without seed 10-15 gms of this fruit slash, for 3-4 hours put it in 100-150 ml. water then fruit is removed from water and water is used but not orally. *Cissampelos pareira* common name patha, for all night patha root put in water and this juice taken orally. *Coriandrum sativum* common name is dhaniya, in case of jaundice dhaniya leaf and fruits are taken orally. *Curcuma longa* L. Synthase. *Curcuma domestica* volecton common name is Turmeric, made juice by pounded 40-50 gms rhizome this juice is mixed with *Piper longum* L. and for 20-25 days daily in case of jaundice. *Embllica officinalis* Gaertn, Common name is amlaki, in cow milk 100150 gm trunk of periphery are boiled and made decoction. 100 gm of this decoction is taken one time in a day for 20 days for jaundice. *Psidium guajava* L. Common name is Guava, root of *Sida cordifolia*, 1/4 liter goat milk and juice from madhurika or from Guava, mix all these carefully. This mixture taken orally. It is best that patient taken three doses that result in vanish the symptoms that is removal of yellowness from the eyes and clear urine of the patient. *Saccharum officinarum* L. Suger cane juice is best for cure of jaundice. (Shankar R *et al*, 2016). *Cucumis sativus* common, name is Cucumber in family Cucurbitaceae, preserved fruit not used but fresh fruitis cut into small pieces. Taken orally three times in a day for a month. *Raphanus sativus*, common name is radish, root part is used for this purpose root part is taken these roots must be fresh. Cut these roots length wise and hang it for a



whole night and exposed it at open place. For a month these pieces of roots taken orally in the morning.

*Berberis lycium*, common name is Royle, leaves part used of this plant. In water fresh leaves are boiled rigorously, taken this decoction for three time in a day for 2 or 3 weeks. *Phyllanthus emblica*, common name is amla, seeds of *P.granatum* and dried fruit of *P.emblica* crushed and mix with sugar. This made a powder, then in one cup of water add three teaspoons of powder. Given to the patient for three times in day for three weeks. *Prunas domestica*, common name is Plum, dried fruit of *T.indica* and *P.domestica* are dip in water over a night. Then make extract. For 2-3 weeks taken one cup of this extract. *Tamarindus indica*, common name is imli, fruits and roots part of this plant is used, fruit of *P.domestica* and roots and fruits of *T.indica* are dip in water over a night. Taken one cup of this extract for 2-3 weeks. (Abassi M. *et al*, 2009). Death rate in Europe annually is 170,000 due to liver cirrhosis. In UK in the list of common cause of death due to liver diseases is on 5<sup>th</sup> number and in United states has 12<sup>th</sup> number. (Patel V. M. *et al*, 2015).

**Psoriasis:** Psoriasis is a skin related disease, in this case skin become red, itchy and scaly patches are formed. Millions of people are affected by this disease throughout the world. Worldwidely, 125 people are affected by psoriasis. (Griffiths M. *et al*, 2017).

It occur when system of body which fight against pathogens not function properly means disordered immune system. It is more harmful for AIDS and cancer patients. Mostly such kind of patches are formed on knees, elbows, palms, scalp, soles of feet or lower back etc. Psoriasis are of many types which are categorized on the base of its intensiveness i.e plaque, guttate, erythodermic, pustular, inverse and psoriatic arthritis. There are different methods to cure psoriasis but due to the risk of side-effects of chemical drugs people prefer treatment through ayurvedic herbal products. It is cured by using or applying different types of oils, mostly tropical plants are used for the treatment. Psoralen coryliforia and *Coleus forskoli* sarsaparilla are the herbal medicines for the treatment of psoriasis. Type of psoriasis which is not more harmful mild plaque psoriasis, redness of skin is less apply olive oil which provide relief. By using regularly olive oil in different ways like in bathwater or by leaving oil for a night in the scalp reduce the dryness because it has antioxidant properties. Milk thistle is also used to strengthen the immune system by the production of bile from liver which help to cure the psoriasis. Thistle is widely

distributed herbaceous plant of daisy family. Cayenne is considered as best natural remedy for psoriasis because it contain a substance which is called capsaicin which help to provide relief form irritation. Aloe Vera is also very effective and it is also used for various skin purposes. It may be directly applied on affected area. After four week treatment researchers concluded that it has no side effect and psoriasis is reduced or cured in 25 out of 30 patients by applying aloe Vera cream. Andira araroba powder mixed with lemon juice or vinegar or with glycerin or starch paste used one or two time a day help to cure the psoriasis when applied continuously for eight days. Its pills are also available. It is also known as Goa or Bahia powder. (Shaikh G. *et al*, 2012).

Other herbal remedies are also used for its treatment like aromatherapy: different oils are mixed like lavender, bergamot and calendula are applied or gently massaged on the affected area provide benefit. Papaya is also helpful in psoriasis treatment. (Shaikh G. *et al*, 2012).

**Conclusion:** Infectious diseases are widely spread throughout the world. Large number of people are effected by these diseases. People use synthetic medicines which have many side effects to health. Therefore, ayurveda is best treatment for curing infectious diseases because it is less expensive and easily available to all parts of the world even in backward areas.

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## References

1. Ghani E, Rheman U.M and Rathore A. M Outbreak of Chicken pox in military center in Northern Pakistan Pak Armed Forces Med J 2016;66(1):147-50
2. Alan R. and Gaby, MD Alternative Medicine Review 2006;11(2):93-101
3. Kamat V. and Sandhu R. Patient Reported Outcomes and Patients Satisfaction with Hyperisince( An Ayurvedic Medicine/poly –Herbal combination)in Herpes Simplex International Journal Of Research in Ayurveda Pharm. 8(3), 2017
4. Girish k. and Shankara S. B Neem-A GreenTreasure Electronic Journal of Biology,2008;4(3):102-111
5. Jadhav P, Kapoor N, Thomas B, Lal H and Kshirsagar Antiviral Potential of Selected Indian Medicinal (Ayurvedic) Plants Against Herpes Simplex Virus 1 and 2 North American Journal of Medical Sciences 2012;4(12):641-647.
6. Chauhan A, Semwal K D, Mishra P S and Semwal B R. Ayurvedic research and methodology: Present status and future strategies An International Quarterly Journal of Research in Ayurveda 2015;36(4): 364-369.
7. Meena K A, Kaur R, Singh B, Yadav K A, Singh U, Sachan A, Pal B and Rao M.M. Review on antifungal activities of Ayurvedic Medicinal Plants. Drug Invention Today 2009,2(2),146-148.
8. Salameh S, Sheth U and Shukla D. Early Events in Herpes Simplex Virus Lifecycle with Implications for an Infection of Lifetime. The Open Virology Journal 2012;6:1-6.
9. Faleyium I.O, Ahmad H.I and Akinyemi.O. Herbal Approach to the Treatment of Chicken Pox: A Case study of Giwa Local Government, Kaduna State, Nigeria. International Journal of Biomedical and Health science Vol.6, No1, March 31, 2010.
10. Krishnaiah D, Devi T, Bono A. and Sarbatly R. Studies on Photochemical Constituents of Six Malaysian medicinal plants. Journal of Medicinal Plants Research Vol. 3(2), 067-072, 2009.
11. Meyer A P, Seward F J, Jumaan O A, Wharton M. Varicella Mortality: Trends before Vaccine Licensure in the United States. The journal of Infectious Disease, Vol 182,(2) .2000. P 383-390.

12. .Brugha R, Chandramohan D and Zwi A. Management of malaria-working with the private sector. *Tropical Medical and International Health* Vol:(4) pp402-406 may 1999
13. Sandhya B, Thomas S, Isabel W and Shenbagarathai. Ethnomedicinal Plants used by the Valaiyan Community of Piranmalai Hills (Reserved Forest). Tamilnadu, India.-A Pilot Study. *Afr.J.Trad.Cam* .2006 3(1):101-114
14. Bhide S. RASAYANA: A better Alternative for Disease Prevention . *Journal of Ayurveda and Holistic Medicine* Vol (1) 2013.
15. Gupta A, Singh A K and Qayum A. Evaluating Ancient Indian History and Culture towards Malaria Control Measures Based on Traditional Knowledge System. *International Journal of Interdisciplinary Studies (IJIMS)*, 2014 , Vol 1, p 181-190.
16. Admasu P and Mekonnen Y. Rabies and its Folk Drugs Remedies in Ethiopia: A Review. *International Journal of Basic Applied Virology* 3(2):22-27, 2014
17. Panda A K. Complementary and Alternative Medicine is Mother Medicine. *Altern Integ Med* , 2013.
18. Savita B. Chougule . Ayurvedic Aspect of Rabies: A Review. *Intrnational Ayurvedic Medical Journal* Vol(2) , 2014.
19. Wandeler A.I, Matter H C, Kappeler A and Budde A. The ecology of dogs and canine rabies a selective review. *Rev. Sci. tech. Off. int. Epiz*, 1993, 12(1), 51-71
20. Shankar R, Rawat M.S, Deb S, and Sharma B.K. 2016. Jaundice and its traditional cure in Arunachal Pradesh. *Journal of pharmaceutical and scientific innovation*.
21. Abbasi M.A, Khan A. M, Ahmad M, Zafar M, Khan H, Muhammad N, and Sultana S. 2009. Medicinal plants used for the treatment of jaundice and hepatitis based on socio-economic documentation. *African Journal of Biotechnology*. Vol.8 pp. 1643-1650.
22. Patel V.M, Patel B.K, Gupta S, Michalsen A, Stapefeldt E, and Kessler S.C. 2015. A complex multiherbal regimen based on Ayurveda Medicine for the management of Hepatic Cirrhosis

complicated by Ascites: Nonrandomized, uncontrolled, single group, open-label observational Clinical Study. Article ID 613182, 12 pages.

23. Bhuwal R, Shankar H.P, and Nayan K.D.2011. Effect of Daruharidra and Punarnava in hepatocellular jaundice: a clinical study. International Journal of Research in Ayurveda and Pharmacy. 2 (5) 1427-1429.

24. Amiri S.M., Joharchi R.M and Yazdi T.E.M.2014. Etho-Medicinal plants used to cure Jaundice by traditional healers of Mashhad, Iran. Iranian Journal of Pharmaceutical Research.

25. Haq I, Haq I, Khan S and Sayed Z.2017. Common Etiological Spectrum of indirect Hyperbilirubinemia in Neonates. Journal of Saidu Medical College , Vol 7 (2).

26. Taylor A, Stapley S and Hamilton W.2012. Jaundice in primary care: a cohort study of adults aged>45 years using electronic medical records. 29:416-420

27. Hung N.L, Huong L.T.N and An T.T.N.2015. Jaundice in Adult in-Patients at a Tertiary General Hospital. Journal of Biosciences and Medicines. vol.3 p.1-11.

28. Shaikh G, Ali S, Talmale Y S, Surwase S U, Bhalchandra K and Luqman S. Alternative Medicine for Psoriasis-Natural Herbal Ayurvedic Treatment. International Journal of Ayurvedic and Herbal Treatment.2(3) ,2012.