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CHAKRAMARDA (CASSIA TORA LINN.) – A LITERATURE REVIEW

Dr. Sneha Wakde¹, Dr. Kamal Naik², Dr. Mushraf Sayyad³

¹P.G. Scholar, Dept. of Dravyaguna Vigyana

²Guide, H.O.D. & Prof. of Dravyaguna Vigyana,

³H. O.D. & Prof. of Dept. Of Kriya Sharir

Loknete Rajarambapu Patil Ayurvedic Medical College, Hospital, P. G. Institute & Research Center, Urun, Islampur, Sangli, Maharashtra, India

Corresponding author Email ID: snehawakde8@gmail.com

ABSTRACT:-

Chakramarda commonaly known as chakavad in Hindi and Ring worm plant in English, a drug has been used by Ayurvedic physicians, for the management of various diseases such as ringworm, eczema, psoriasis etc. Chakramarda is a well-known plant widely distributed in India. It is an annual shrub and grows in wild wasteland. Different parts of plant like leaves, seed, and root are reputed for their medicinal values. Seeds have anti parasitic properties, the paste of seeds are applied topically on ringworms and scabies. Both leaves and seeds constitute a valuable remedy in skin disease chiefly for ringworm and itching. The root of plant is used as a bitter tonic, stomachic, purgative and anthelmintic properties. The decoction of whole plant is given as a vermifuge and purgative and also used for washing and healing of wound. The paper is an attempt to collect and explore the information related to chakramarda from various available grantha popularly known as Samhitas, Ras Granthas and Nighantus. In this article, summarization of the various synonyms, morphological properties, pharmacological activities, uses is attempted. The review indicates that this drug has wholesome references in various ancient and modern texts.

Keywords: - Chakramarda, Traditional & Ethano-medicinal uses, Pharmacological activities.

INTRODUCTION:

Vedas, Samhitas, Nighantus and Sangraha Granthas are the source of information of the drugs obtained from natural origin in Ayurveda¹. Chakramarda has been used from time immemorial. The botanical source of the plant is Cassia tora Linn. of the Fabaceae family i.e, Shimbi kula. Chakramarda is well known medicinal plant commonly found in India and other tropical countries. Various medicinal properties have been attributed to this plant in traditional system of Indian medicine.

Chakramarda plant is easily available in all regions of India especially in rainy seasons. It is found as in roadsides wastelands. It has katu rasa, with katu vipak, and ushna virya. This plant is being laghu, ruksha in guna and doshghanta is kaphavatshamak2. In Ayurveda Samhita, Chakramarda is said to be very useful in many disease like Kushta, krumi, Dadru etc.

Chakramarda have been used as a remedy for various skin ailments, rheumatic disease and as laxatives. The leaves are used as a laxative in the form of decoction also used for the treating piles³ and used as a vegetable in rainy season. A Chakramarda leaf has been found to possess significant hepatoprotective activity and anti-inflammatory activity. Due to presence of proteins, a small amount of fat, many minerals and natural fibers, it is regarded as a poor man's food⁴.

The seeds of *chakramarda* have been used in Chinese medicine as aperients, antiasthma, diuretic agent and also improve the visual activity⁵. In Japanese pharmacopoea, *chakramarda* seeds are used as tonic and stomachic used for ringworm and other skin disease⁶.

Geographical Distribution⁷:-It is found as a weed throughout India, ascending up to an attitude of 1550 m in Himalaya, universely distributed in wild state in Himachal Pradesh, Bihar, and Orissa, Bengal, Punjab, Rajasthan, on waste lands and along road side of, Maharashtra, Karnataka and plains of Tamilnadu Morphology⁸:-It is an annual foetid herb, 30-90 cm high. Leaves are green in colour. Leaflets are in 3 pairs, distinctly petioled, opposite, conical at one end, ovate, oblong and base oblique. Flowers are pale yellow in colour usually in nearly sessile pairs in the axils of the leaves with five petals, upper one are very crowded. Pods are subteret or 4 angled, very slende, 6-12 inch long, incompletely septate, membranous with nymerous brown oblong rhombohedral seeds⁸.

Cassia tora linn. has following Taxonomical classification9:-

1. Kingdom :- Plantae

2. Sub Division
3. Division
4. Class
5. Tracheobionta
5. Spermatophyta
6. Mangnoliopsida

5. Subclass :- Rosidae 6. Order :- Fabales

7. Family :- Fabaceae/Leguminosae

8. Genus :- Cassia Mill.- senna

9. Species :- Cassia tora

MATERIALS AND METHODS:-

To elaborate the potential of *chakramarda* in the treatment, review of literature is an essential part. Available *Ayurvedic* literatures were studied for better understanding of drug. Information regarding to drug is collected from various books related medicinal plants, *Samhitas, Nighnatus, Ayurvedic* text books, various journals, research articles and internet media was also used for availability and necessity for understanding the subject.

Table 1¹⁰:- Synonyms attributed to *chakramarda* by different classical texts of *Ayurveda*

Pharmacognostical characters		
Meshlochan	Leaf resembles of eyes of mesha	
Uranakhya	The seeds are similar to sambar's eye	
Dadrubeej	Seeds are very hard in nature	
Synonyms based on pharmacological actions		
Edgaj	Ringworm	
Dadrughna	Cures dadru	
Chakri	Destroyed Ringworm	
Kharjughna	Cures kandu and Dadru kushta	
Kushtaghna	Used in treatment of <i>kushta</i>	

Pamagati	Used in treatment of pama	
Chakramarda	Cures ringworm infestation	
	Others	
Edagaja	It is very delicate herb and even goats can spoil them if they move in the areas where there plants are available. Hence, similar is made that even a goat is as good as an elephant for this plant	
Prapunnat	It is often used by human beings for different purposes internally.	
Padmat	It affectionate water like <i>Padma</i> and grows in rainy season	

CLASSIFICATION:-

Vedic kala¹¹:-

Chakramarda explained in parskargruhyasutra (Pa. Gru.) in Mulvidhi chapter.

Purana kala¹²:-

In Garuda Purana, a separate chapter is available for medicinal plants but no description about chakramarda is available

Samhita kala:-

In Charak Samhita, chakramarda included in shakavarga, it is used as a vegetable 13.

In Sushrut Samhita, it was included in urdwabhagahara gana¹⁴.

In Ashtanga Hridaya, the word chakramarda is not found, but in many places used its synonyms like edgaja and prapunnada. It is explained in shiroroga adhikara and its lepa are adviced in shiroroga¹⁵.

Nighantu kala:-

Table no. 2:-

Nighnatu	Varga
Ashtanga nighnatu ¹⁶	-
Dhanawantari nighantu ¹⁷	Karaviryadi varga
Shodhal nighantu ¹⁸	Karaviryadi varga
Madanpal nighnatu ¹⁹	-
Kaiyadev nighantu ²⁰	Aushadhi varga
Bhavaprakash nighantu ²¹	Haritakyadi varga
Raj nighantu ²²	Shatahvadi varga
Nighnatu ratnakar ²³	-
Shaligram nighantu ²⁴	Ashtavarga

Priya nighantu ²⁵	Shatapushpadi varga
Nighnatu adarsh ²⁶	Putikaranjadi varga

PHARMACOLOGICAL PROPERTIES

Table 3:- Pharmacological properties attributed to chakramarda in different nighantus

Nighantu	Rasa	Vipaka	Veerya	Guna	Doshghnata	Rogghanta
Ashtanga nighnatu ²⁷	-	-	-	-	-	-
Dhanawanatari nighantu ²⁸	Katu	-	Ushna	-	Vatakaphaghna	Kandu, dadru
Shodhala nighnatu ²⁹	-			IR		-
Madanpal nighnatu ³⁰	-	NEW COMMENT	-	N. S.	Vatapittaghna	-
Kaidev nighnatu ³¹	Madhura and lavana	3	Sheeta	Laghu, guru, ruksha	Vatakaphaghna	Kandu, gulma, kas
Bhavprakash nighantu ³²	Katu	Si.	Ushna		21	-
Raj nighantu ³³	-				-	-
Nighnatu ratnakar ³⁴	Madhura	-		Laghu, Ruksha	Pittavataghna	
Shaligram nighnatu ³⁵	Katu	-	-	Sheet	Vatapittaghna	Kushta,kandu, krumighna
Priya nighantu ³⁶	-	-	-	-	-	Kandu, dadru
Nighnatu adarsh ³⁷	Madhura and Katu	Katu	Ushna	-	Vatakaphaghna	

FORMULATION:-

Table 4:-

Randu ⁴⁰ Worms, dadru, shvitra ⁴¹ External u	ge form	Rogadhikara	Synonyms	Ayurvedic text	Sr. no.	
Mandala kushta, krimi, Kanaka ks kandu*** Worms, dadru, shvitra*** External u Kushta** 2 Sushrut Samhita Prapunnad Shvitra** Prapunnad Shvitra** Chakramarda Dadru** Kandu, mandal kushta** Mahakushta** Mahamari Kandu kushta** Pama, kandu** Pama, charmadala, Lepa Kushta, complexion** Pama, Charmadala, Maheshwa Randu, kushta, krimi, Kanaka ks kanalu u External u Kushta** Kashta, complexion** Randu kushta** Pama kandu** Pama, charmadala, Lepa Kushta, complexion** Randu kushta** Pama, charmadala, Maheshwa Randu, kushta** Pama, charmadala, Maheshwa	al use	, 1	ita Edagaja		Charak Samhita	1
Randu ⁴⁰ Worms, dadru, shvitra ⁴¹ External u	al use	Skin disease ³⁹				
Prapunnad Skin disease ⁴² External u Kushta ⁴³ External u Sushrut Samhita Prapunnad Shvitra ⁴⁴ Lepa Mahakushta ⁴⁵ Kwath Chakramarda Dadru ⁴⁶ Lepa 3 Bhavprakasha Chakramarda Kandu, mandal kushta ⁴⁷ Madhyama kwath Kandu kushta ⁴⁸ Mahamari Pama, kandu ⁴⁹ Saindhava Dadru, kushta ⁵⁰ Durvadi ya Prapunnad Shitapitta ⁵¹ Churna 4 Yog Ratnakar Chakramarda Kushta ⁵² Panchanin Severe itching ⁵³ Lepa Pama, charmadala, Lepa vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsinda Pama, charmadala, Maheshwa	ta kshiri tail					
2 Sushrut Samhita Prapunnad Shvitra ⁴⁴ Lepa Mahakushta ⁴⁵ Kwath Chakramarda Dadru ⁴⁶ Lepa 3 Bhavprakasha Chakramarda Kandu, mandal kushta ⁴⁷ Madhyama kwath Kandu kushta ⁴⁸ Mahamari Pama, kandu ⁴⁹ Saindhava Dadru, kushta ⁵⁰ Durvadi ya Prapunnad Shitapitta ⁵¹ Churna 4 Yog Ratnakar Chakramarda Kushta ⁵² Panchania Severe itching ⁵³ Lepa Pama, charmadala, Lepa Vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsinad Pama, charmadala, Maheshwa	al use	Worms, dadru, shvitra ⁴¹				
2 Sushrut Samhita Prapunnad Shvitra ⁴⁴ Lepa Mahakushta ⁴⁵ Kwath Chakramarda Dadru ⁴⁶ Lepa 3 Bhavprakasha Chakramarda Kandu, mandal kushta ⁴⁷ Madhyama kwath Kandu kushta ⁴⁸ Mahamari Pama, kandu ⁴⁹ Saindhava Dadru, kushta ⁵⁰ Durvadi ya Prapunnad Shitapitta ⁵¹ Churna 4 Yog Ratnakar Chakramarda Kushta ⁵² Panchanin Severe itching ⁵³ Lepa Pama, charmadala, Lepa vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsindi Pama, charmadala, Maheshwa	al use	Skin disease ⁴²	Prapunnad			
Mahakushta ⁴⁵ Kwath Chakramarda Dadru ⁴⁶ Lepa 3 Bhavprakasha Chakramarda Kandu, mandal kushta ⁴⁷ Madhyama kwath Kandu kushta ⁴⁸ Mahamari Pama, kandu ⁴⁹ Saindhava Dadru, kushta ⁵⁰ Durvadi ya Prapunnad Shitapitta ⁵¹ Churna 4 Yog Ratnakar Chakramarda Kushta ⁵² Panchanin Severe itching ⁵³ Lepa Pama, charmadala, Lepa vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsind Pama, charmadala, Maheshwa	al use	Kushta ⁴³				
Chakramarda Dadru ⁴⁶ Lepa Bhavprakasha Chakramarda Kandu, mandal kushta ⁴⁷ Madhyama kwath Kandu kushta ⁴⁸ Mahamari Pama, kandu ⁴⁹ Saindhava Dadru, kushta ⁵⁰ Durvadi ya Prapunnad Shitapitta ⁵¹ Churna 4 Yog Ratnakar Chakramarda Kushta ⁵² Panchanin Severe itching ⁵³ Lepa Pama, charmadala, Lepa vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsind Pama, charmadala, Maheshwa		Shvitra ⁴⁴	Prapunnad	Sushrut Samhita	2	
3 Bhavprakasha Chakramarda Kandu, mandal kushta ⁴⁷ Madhyama kwath Kandu kushta ⁴⁸ Mahamari Pama, kandu ⁴⁹ Saindhava Dadru, kushta ⁵⁰ Durvadi ya Prapunnad Shitapitta ⁵¹ Churna 4 Yog Ratnakar Chakramarda Kushta ⁵² Panchanin Severe itching ⁵³ Lepa Pama, charmadala, Lepa vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsina Pama, charmadala, Maheshwa		Mahakushta ⁴⁵		N.		
Kandu kushta ⁴⁸ Mahamari Pama, kandu ⁴⁹ Saindhava Dadru, kushta ⁵⁰ Durvadi ya Prapunnad Shitapitta ⁵¹ Churna 4 Yog Ratnakar Chakramarda Kushta ⁵² Panchanin Severe itching ⁵³ Lepa Pama, charmadala, Lepa Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsinad Pama, charmadala, Maheshwa		Dadru ⁴⁶	Chakramarda			
Pama, kandu ⁴⁹ Saindhava Dadru, kushta ⁵⁰ Durvadi ya Prapunnad Shitapitta ⁵¹ Churna 4 Yog Ratnakar Chakramarda Kushta ⁵² Panchanin Severe itching ⁵³ Lepa Pama, charmadala, Lepa vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsind Pama, charmadala, Maheshwa	yamanjishtadi	Kandu, mandal kushta ⁴⁷	Chakramarda	Bhavprakasha	3	
Prapunnad Shitapitta ⁵¹ Churna 4 Yog Ratnakar Chakramarda Kushta ⁵² Panchanin Severe itching ⁵³ Lepa Pama, charmadala, Lepa vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsina Pama, charmadala, Maheshwa	narichyadi tail	Kandu kushta ⁴⁸				
Prapunnad Shitapitta ⁵¹ Churna 4 Yog Ratnakar Chakramarda Kushta ⁵² Panchanin Severe itching ⁵³ Lepa Pama, charmadala, Lepa vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsina Pama, charmadala, Maheshwa	havadi tail	Pama, kandu ⁴⁹		Pame		
4 Yog Ratnakar Chakramarda Kushta 52 Panchaning Severe itching 53 Lepa Pama, charmadala, Lepa vicharchika 54 Pama kandu 55 Lepa Kushta, complexion 56 Brihatsina Pama, charmadala, Maheshwa	di yoga	Dadru, kushta ⁵⁰	34	1		
Severe itching ⁵³ Lepa Pama, charmadala, Lepa vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsind Pama, charmadala, Maheshwa	\overline{a}	Shitapitta ⁵¹	Prapunnad			
Pama, charmadala, Lepa vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsina Pama, charmadala, Maheshwa	animba churna	Kushta ⁵²	Chakramarda	Yog Ratnakar	4	
vicharchika ⁵⁴ Pama kandu ⁵⁵ Lepa Kushta, complexion ⁵⁶ Brihatsind Pama, charmadala, Maheshwa		Severe itching ⁵³				
Kushta, complexion ⁵⁶ Brihatsina Pama, charmadala, Maheshwa	_					
Pama, charmadala, Maheshwa		Pama kandu ⁵⁵				
	sindura taila	Kushta, complexion ⁵⁶				
	shwar ghrut					
Edgaja ⁵⁸ Kushta ⁵⁹ Lepa		Kushta ⁵⁹	Edgaja ⁵⁸			

			Spider bite, dadru, kushta, gajakarna ⁶⁰	Lepa
		Prapunnata ⁶¹	Sinus, infected wound ⁶²	Vajra taila
			Dadru,Pama, Kitibh ⁶³	Lepa
			Dadru ⁶⁴	Lepa
5	Rasaratna Samuchaya	Chakramarda ⁶⁵	Shweta Kushta, Kandu, krumiroga ⁶⁶	Mahamartand Taila
6	Bharat Bhaishjya Ratnakar	Chakramarda ⁶⁷	Vatarakta, Kandu, Mandal, all Kushta ⁶⁸	Mahatrunak Taila
			Vatarakta, Granthivata, Aamvat, Bhagandar, Arsh, all Kushta ⁶⁹	Mahapind Taila
		JE	Kushta ⁷⁰	Trunak Taila
		Prapunnat ⁷¹	Kandu ⁷²	Prapunnatadi Lepa

CHEMICAL COMPOSITION⁷³

Table 5:-

SN	Plant parts	Chemical composition
1	Leaves	1)Anthraquinone glycosides 2)Flavonoids 3)Sennosides 4)Kaempferol-3-diglucoside
2	Seeds	1)Anthraquinone 2)Naphthopyrone 3)Three naphthopyrone glucoside 4)Cassiaside 5)Chrysophanic acid-9-anthone
3	Seed oil	1)Oleic 2)Linoleic 3)Palmitic 4)Stearic 5)Lignoceric acids

4	Panwar gum	1)Neutral of heteropolysaccharide of galactose
	(obtained from seeds of cassia tora)	2)Mannose
5	Pods	1)Sennoides
6	Flowers	1)Kaemferol
	Tiowers	2) Leucopelargonidine
7	Roots	1)Leucopelargonidine
,	Roots	2)β-Sitosterol
		1)Arachidic acid
		2)Isostearic acid
8	Stem	3)Palmitic acid
		4)Marginic acid
		5)Behenic acid

SUBSTITUTION & ADULTERATION OF CHAKRAMARDA:-

- 1) Cassia occidentalis Linn. is sometimes used as substitute for Cassia tora on account for linguistic similarly in regional names. Cassia tora seeds are used as substitute for coffee⁷⁴.
- 2) Bakuchi (Psoralia corylifolia) seeds substituted with Chakramarda seeds (Cassia tora Linn.)⁷⁵
- 3) Adulteration of *chakramarda*:- Leaves of *Cassia tora linn*. resembles with the leaves of *Senna*, therefore sometimes the true *senna* is adulterated with the leaves of this plant⁷⁶.

TRADITIONAL USES⁷⁷:-

Different parts of *chakramarda* are known to possess various ailments by rural and tribal people of Satpura region of Madhya Pradesh along with its uses in Ayurvedic and Chinese system of medicine. Due to its moist quality and cold property of herb, it acts on liver and large intestine channels, clear the heat and liver fire, improve vision. Due to its fungicidal activity, it is also used as natural pesticide in organic farms. Seed powder is most popular in pet food industry and also useful in mining and other industrial application when mixed with guar gum.

CLASSICAL USES OF CHAKRAMARDA:-

Table 6:-

1	Sidhham kushta	For Local application- used root of chakramarda with kanji ⁷⁸
2	Shiroroga	The seeds of chakramarda with amla dravya. and applied locally ⁷⁹ .
3	Gandamala	1)Make a kalka of the root of chakramarda and cook it with soft flame in Bhringarajaswarasa and sarshapa taila. Then filter it and put sindur. This siddha oil cures gandamala ⁸⁰ 2) Chakramarda tailam ⁸¹

4	Dadru	Seeds of chakramarda with leaves of radish are apply on dadru ⁸²	
5	Shoth and visphota	Chakramarda swaras can be used in shoth and visphota caused by bhallataka ⁸³	
6	Pama	Chakramarda seeds pounded with takra and apply on pama ⁸⁴	
7	Teething time	At the time of teething, chakramarda leaves kwath given to children for strength ⁸⁵	
8	Kushta ⁸⁶	 Chakramarda, Vidanga, Haridra, Daruharidra, Aragvadha and Kushta this combination is excellent for eradicating kushta external application of chakramarda, sarjarasa etc. Mixed 	
		 with sour gruel is remedy for sidhma type of kushta seeds of chakramarda, with equal quantity of jiraka and a bit of sudarshan root destroy ringworm and kushta 	
9	Vatavyadhi ⁸⁷	Vegetable or other dietary preparations of chakramarda leaves alleviates vatavyadhi.	
10	For Easy delivery ⁸⁸	The root of chakramarda is pounded finely and put into the vagina. It helps easy delivery.	

ETHANOMEDICAL USES⁸⁹:-

Table 7:-

1)	Eczema	Root of <i>chakramarda</i> used for local application on eczema
2)	Warts	In warts, applied paste of <i>chakramarda</i> leaves for 7 days
3)	Ringworm	Mixed swaras of <i>chakramarda</i> leaves with lemon juice and apply it on ringworm
4)	Somaroga / vaginal discharge	Chakramarda root grind with rice water and used in somaroga
5)	Migraine	Pounded Seeds of <i>chakramarda</i> with <i>kanji</i> and applied locally
6)	Vasa meha	Chakramarda root kwath used for vasa meha
7)	Shitpitta	In shitpitta, Chakramarda seeds powder with ghruta used.

PHARMACOLOGICAL ACTIVITIES 90:-

1) Antioxidant activity:- The methanolic extract of seed of *chakramarda* shows stronger antioxidant activity.

2) Antifertility activity:- *Chakramarda* leaves extract exhibited maximum antifertility activity in 1 female rats. The antifertility activity of the drug has been found to be related to oestrogenic activity.

3) Antigenotoxic properties:-

Antifenotoxic properties and the possible mechanism of water extracts from *cassia tora* treated with different degrees of roasting were evaluated by Ames Salmonella/microsome test and the comet assay.

4) Antifungal activity:-

The leaf extract has shown the significant antifungal activity to inhibit the growth of candida albicans, aspergillus niger.

It shows antifungal activity due to chrysophenol and crysophanic acid-9-anthrone and other anthraquinones such as emodine, physcion and rhein.

5) Anti-inflammatory effect:-

The anti-inflammatory effect of methanolic extract of leaves of cassia tora was investigated against carrageenan, histamine, serotonin and dextran induced rat hind paw oedema. It exhibited significant anti-inflammatory activity against these agents.

6) Purgative effect:-

The methanolic extract of *cassia tora* leaves was found to possess purgative action. Seed have been used as a purgative, probably due to the presence of emodine, aloe-emodine and anthraquinone glycosides.

7) Anti-microbial activity:-

The chloroform, methanol and aqueous extracts of leaves of *Cassia tora linn* observed to have antimicrobial property. As the extracts displayed activity against some bacteria and fungi which can cause skin infection and gastro-intestinal disorder. Methanolic extracts also showed antifungal activity.

RESULT AND DISCUSSION:-

There are many references about the use of the plant chakramarda, as medicine in the veda and as Samhita granthas of Ayurveda.

In *Ayurveda*, different traditionally used names, known as *Paryaya* (synonyms) have been attributed to a single plant to describe morphological description habitat and pharmacological characters. There are about 25 synonyms attribute to *chakramarda* to describe its morphological and pharmacological characters are available in various classical texts of *Ayurveda* written during different time.

Many of the *Acharyas* of *Ayurveda* has described the *Rasa* of *Chakramarda* as *Katu*, exceptionally *Nighantu Ratnakara* has described it as *Madhura* only and *Nighantu Adarsha* described it as *Madhura* and *Katu*. Only *Nighantu Adarsha* has explained the *vipaka* of the *Chakramarda* as *Katu*. No other *Nighantukara* have explained the *Vipaka* of the *Chakramarda*.

CONCLUSION:-

This article gives us the traditional knowledge about *chakramarda* with its properties and formulation being used in various conditions like *kushta*, fungal infection, *vatavyadhi* etc. Many investigations on *cassia tora linn*. have now established that it has an important medicinal plant having a plethora of chemical constituents effective against a large number of ailments. So it is necessary to take clinical trials according to its studies carried out and the exploit the full medicinal potential of *Cassia tora linn*.

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