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RECENT TRENDS IN CONSERVATION AND MANAGEMENT OF ECOSYSTEMS

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JOANNESIA PRINCEPS VELL. (EUPHORBIACEAE): AN EXOTIC PLANT REPORTED FROM MAHARASHTRA STATE

Dasharath G. Jagtap* and Madhukar Y. Bachulkar

Shri Vijaysinh Yadav Arts and Science College, Peth-Vadgaon,
Tal-Hatkanangale, Dist-Kolhapur - 416 112. (MS)

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ABSTRACT

Euphorbiaceae is seventh largest family which comprised 43 genera and 111 species for Maharashtra state [1]. *Joannesia princeps* Vell., commonly known a 'arara nut-tree' a Brazilian tree belongs to this family was introduced by European traders in India. *Joannesia princeps* is endemic to Minas Gerais, North Espirito Santo, and South Bahia, Brazil. This species is threatened due to habitat loss. Kolhapur district is also rich in plant diversity. Yadav and Sardesai [2] reported 2227 species and 1023 genera of Angiosperms from Kolhapur district. In Kolhapur city there are about 54 gardens which give shelter to many exotic and indigenous tree species. While studying exotic tree species of Kolhapur city, *J. princeps* is observed in Town Hall garden which is one of the oldest garden of Kolhapur city. *J. princeps* was not included by previous workers in floral diversity of Maharashtra state. This is new report for Maharashtra state. The taxonomic description, illustration and photo plates are given in present paper.

KEYWORDS: *Joannesia princeps*, Euphorbiaceae, New record, Maharashtra.

TAXONOMIC DESCRIPTION:

Joannesia princeps Vell. in Alogr. Alkal. 199. 1798. *Joannesia insolita* Pittier in Bol. Soc. Venez. Ci. Nat. 6: 8. 1940. *Andicus pentaphyllus* Vell. in Fl. Flumin. 80.1829. [3].

Fig. 1 and 2. A large tree, bark grayish shiny. Leaves palmately compound, alternate or whorled, exstipulate, glabrous, petiole 20-25 cm long, two raised glands present at the junction of leaflets or top of petiole, leaflets 5, 11.5-17 x 6.5-9.5 cm, elliptic ovate or lanceolate, subcordate to truncate at base and mucronate at apex, apex clockwise spirally twisted, and entire margin, petiolule 2-3.5 cm long. Inflorescence diachasial cyme, peduncle pubescent to glabrous, 20-30 cm long, flowers unisexual, creamy white, bracteates, bract 3-6 x 1-2 mm, elliptic ovate, pubescent, glandular at base laterally, pedicel 3-4 mm long. **Male flower:** Sepals 5, gamosepalous, 3-3.5 mm long, minutely pubescent outside,

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FISH DIVERSITY AND FISHERIES POTENTIAL FROM WARANA RIVER IN HATKANAGALE TAHSIL OF KOLHAPUR DISTRICT (M.S.)

Suryakant V. Maske*, Sonali Pawar and Neelam Apugade

Department of Zoology,

Shri Vijaysinha Yadav Arts and Science College, Peth Vadgaon, Dist. Kolhapur – 416 112

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ABSTRACT:

The present investigation was carried out to study the present status of fish fauna from Warana river in Hatkanangale tahsil of Kolhapur district. It was also aimed to study the fishing methods used by the fisherman community, fish fecundity and threats to fish fauna in the present study area. Total 40 fish species were recorded from 24 genera belonging to 14 families of 7 orders. The introduced exotic fish species are good breeders and plays significant role on naturally occurring fish fauna in this area. The threats like discharge of untreated sewage and effluents, sand mining, irregularity in water discharge from dam and dynamite fishing were affecting the local natural fish species.

KEYWORDS: Fish diversity, Fecundity, Warana river, Threats.

INTRODUCTION:

India is endowed with vast freshwater consisting 45,000 Km. of rivers, 26,334 Km. of canals, ponds and tanks 2.36 million hectares and 2.05 million hectares of reservoirs, which present like harbor a rich and diversified fish fauna characterized by many rare and endemic fish species. The Western Ghats range extends along the western coast of India and is crisscrossed with several rivers providing water to the plains of Peninsular India [1].

About 21,730 species of fishes have been recorded in the world; of which, about 11.7% are found in Indian waters. Out of the 2546 species so far listed, 73 (3.32%) belong to the cold freshwater regime, 544 (24.73%) to the warm freshwater domain, 143 (6.50%) to the brackish water and 1440 (65.45%) to the marine ecosystem. Freshwater fish diversity is very high with around 288 species and high rate of endemism (> 50%) [2, 3].

Approximately 20% of the world's freshwater fish is currently either endangered or extinct. It is thought to be losing freshwater species at a rate comparable to the rates observed for species loss in



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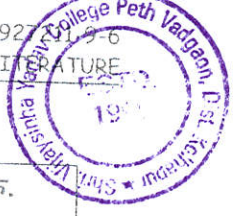
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Introduction:

Dr. B. R. Ambedkar is a principal architect of modern India. He founded the philosophy of liberty, equality, fraternity and justice through the casteless society. The philosopher founded their values and ethics to protect rights of human being. The exploited Indian discovered their icon within the personality of Dr. Ambedkar. Electronics channels (CNN-IBN, History18 and BBC) searched greatest Indian after Gandhi in August 2012. Dr. B. R. Ambedkar selected greatest Indian after Gandhi through popular votes, market research and expert team. It shows the relevance of Dr. Ambedkar in the present global age within the common Indians. Mr. N. Ram Veteran journalist identified the reason of selection. He expressed, "Ambedkar a terrific radical scholar, whole essay Annihilation of caste remain a shining model for many of us." (OUTLOOK-AUGUST-2012-35)

Methodology:

The main object of the study is to understand the thesis of Dr. Ambedkar on the annihilation of caste system in India. The present article is analytical in nature. In this paper, documentary primary and secondary data have been used. The study depends upon the theoretical approaches developed by Jotiba Phule, and Dr. Ambedkar in understanding the caste realities in India.

Warn to Indian Society:

Periyar warned about Brahmin domination in 1920. He stated 'if the Brahmin domination was not abolished before the Britisher quit India, then would not be democracy but '*Brahmanocracy*' after independence". (Veeramani 2008-59). Dr. Ambedkar is great philosopher about Hinduism, so he has also warned to Hindus in preface of second edition of 'Annihilation of Caste'. He said "I shall be satisfied if I make the Hindus realize that they are the sick man and that their sickness is causing danger to health and happiness of Indian." (Ambedkar-1936 rep. 2013 -1). In this book Ambedkar warned about nationality and morality.

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01

IMPACT OF GST ON INDIAN ECONOMY

Shri. Karande Ramesh Hanmant

Assistant Professor,

Shri Vijaysinh Yadav Arts and Science College,
Pethvadgaon, Dist: Kolhapur.

Abstract:-

Goods and Services Tax popularly known as GST a single tax on the supply of goods and services, right from the manufacturer to the consumer. Credits of input taxes paid at each stage will be available in the subsequent stage of value addition, which makes GST essentially a tax only on value addition at each stage. This research paper highlights the positive and negative impact of the GST in the Indian Tax System.

Keywords:- GST in India, Tax system in India, Mechanism of GST, Positive and Negative Impact of GST.

Introduction:-

Goods & Services Tax is a comprehensive, multistage, destination-based tax that will be levied on every value addition. Goods and Service Tax (GST) implemented in India to bring in the 'one nation one tax' system, but its effect on various industries will be slightly different. The first level of differentiation will come in depending on whether the industry deals with manufacturing, distributing and retailing or is providing a service.

Objective of Study:-

The study has following objectives:

- ✦ To cognize the concept of GST
- ✦ To study the features of GST
- ✦ To evaluate the advantages and

Challenges of GST

Research Methodology:-

The study focuses on extensive study of Secondary data collected from various books, National & international Journals, government reports, publications from various websites which focused on various aspects of Goods and Service tax.

Concept of Goods and Service Tax:-

GST is a comprehensive indirect tax on manufacture, sale and consumption of goods and services at national level. One of the biggest taxation reforms in India the (GST) is all set to integrate State economies and boost overall growth. Currently, companies and businesses pay lot of indirect taxes such as VAT, service tax, sales tax, entertainment tax, octroi and luxury tax. Once GST is implemented, all these taxes would cease to exist. There would be only one tax, that too at the national level, monitored by the central government. GST is also different in the way it is levied at the final point of consumption and not at the manufacturing stage. At present, separate tax rates are applied to goods and services. Under GST, there would be only one tax rate for both goods and services. The goods and services Tax will indeed be a further significant improvement towards a comprehensive indirect tax reforms in the country. Integration of goods and services taxation would give India a world class tax system and improve tax collections. It would end distortions of differential treatments of manufacturing and service sector. GST is expected to create a business friendly environment, as price levels and hence inflation rates would come down overtime as a uniform tax rate is applied. It will also improve government's fiscal health as the tax collection system would become more transparent, making tax evasion difficult. The GST is expected to replace all the indirect taxes in India. At the centre's level, GST will replace central excise duty, service tax and customs duties. At the state level, the GST will replace State VAT.



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