



THAR INDIA INSTITUTION

REPORT

NATIONAL SEMINAR AND WILD LIFE EXHIBITION

ARRAVALI RANGE: IMPORTANCE AND PRESENT CHALLENGES

5TH JUNE 2014 –THE WORLD ENVIRONMENT DAY

Dept. of Zoology, University of Rajasthan, Jaipur

Thar India Institution in association with Dept. of Zoology, University of Rajasthan, Jaipur organised a Seminar on “Aravali Range: Importance and Present Challenges” Followed by Exhibition on Wildlife and Tree Plantation On 5th June, 2014 on the Occasion of World Environment Day.

- 1. Plantation:** As per the ritual of Thar India Institution, program started with the plantation of trees in campus of University of Rajasthan, Jaipur. TII takes the responsibility of plantation and fore-taking for all the organized programs. Dr. Dev Swarop, Vice Chancellor- University of Rajasthan, Jaipur and Dr.S.S. Yadav (President, Thar India Institution) started the programme with plantation of tree at University Campus.



2. **Inauguration** : Dr. Dev Swarop, Vice Chancellor- University of Rajasthan,Jaipur inaugurated the Seminar & Wildlife Exhibition by the plantation followed by Lightening of Lamp to Goddess Saraswati in presence of Dr. N.C Jain (IFS), Shri Hari Ram Meena (Retd. IPS), Prof. P.K.Goyal , Dr.S.S. Yadav (President, Thar India Institution), Prof G.C Jain (HOD Zoology Deptt), Dr. K.P. Sharma (HOD Botany Deptt),Dr. N.P.Singh (former HOD Zoology Deptt),Dr. Ruchi Tyagi (Advisor-TII) , Prof. Subhasini Sharma (seminar coordinator), Prof Jaimala (Program Coordinator)



The Media Personnel from various electronic and print media attended seminar press conference and shown interest in seminar proceedings & wild life exhibition.

3. **Presidential Address** : Dr. Dev Swarop, Vice Chancellor University of Rajasthan spoke on importance of relationship between Human and Eco System .He further emphasized on the impact of present life style on the environment. He appeal the youth ,University student-faculty fraternity and NGO's like **Thar India Institution** to take up such responsibility to call upon people for mutual upliftment of environment and society through responsible behavior.

Dr. Dev Swarop, Vice Chancellor University of Rajasthan reinforce his address by ***swearing in the participants with an "Oath"*** to protect and maintain the Environment through responsible behavior on the occasion of World Environment Day .

4. Technical Session I :

Opening Address: Prof. G.C Jain, Head Department of Zoology, University of Rajasthan on the occasion of 41st World Environment day. He introduced the University of Rajasthan with 9 faculties, 37 departments, 22 centres affiliating 1139 colleges over 7 districts. He further glorify that the Department of Zoology has been sanctioned as UGC centre for Advance Studies. Prof Jain takes in hand environment related issues and Rain Water Harvesting. He also emphasized on the importance of coordination and interrelationship of Natural Powers to explain the impact of Natural powers and amidst harmony he recited the "Shanti Mantra".

Guest Speaker I: Shri Hari Ram Meena (Retd. IPS and adorned with the title, "Dharti Putra") proudly took the session to its prime . Shri Meena gave many examples from Adivasi livelihood and emphasized on learning-unlearning –relearning during our journey from " Adivasi" to "Adhunikta". He proposed that the rare flora and fauna species are taken by adivasi gentry a synonym to their ancestor and in respect to their benign soul they respect the laws of environment thus other societies and communities should learn how to respect the nature during the advancement process. Correlating the Mythology and Nature on the basis of studies exemplify during his talk Shri Meena proposed "Great souls of our ancestors move around" and look forward that we maintain the harmony and sustain the natural resources as they have been legatee.

Guest Speaker II: Dr. N.C. Jain (IFS) address conservation problems and depletion of natural resources during the human progress –Technologically , socially and economically supported by two video films.

Summarizing Session I : The Technical Session I was summarized by Dr.S.S.Yadav ,President Thar India Institution ,an NGO .Dr. Yadav introduced the Thar India Institution's objectives ,past achievements of the organization and his core team. Dr. Yadav emphasized on inclusion of youth and children on environment awareness as active members –THE PERFORMERS .

5. Technical Session II :

Opening Address: Prof. Subhasini Sharma, Coordinator to the Seminar from Department of Zoology made the audience aware on various environment buzzwords and the importance of addressing them. She told in her speech the significance of the world Env Day 5th june However year this day is celebrated with different themes. She also told that by celebrating env Day we remind ourselves and make people aware sensitive towards the Env. She requested to all participants of the seminar that we all should remind ourselves to respect the env. Than only prakrati will respect our needs. She closed her speech by mentioning that "Every Action Counts".

Guest Speaker III: Prof K.P.Sharma ,Head Department of Botany, University of Rajasthan during his lecture on the only Living Lake of Jaipur shown his concern on reduction of Water Capacity of the lake by 50% and violation of law. He also made the participants aware of the present status of the " Mansagar Lake" and the efforts he in the capacity of crusader and his research associates are making for restoring

the only Living Lake of Jaipur Further, he enriched the audience with his experiences regarding Mansagar lake .He told that it is spread over in about 130ha with a maximum depth ($\geq 7\text{m}$) at the dam's outflow pointy is a man-made lake polluted with municipal and industrial sewage since 1962 through 2 main wastewater drains namely Brahampuri and Nagatalai. *Water hyacinth* in 1975 suppressed algal growth whereas addition of its organic produce catalyzed water quality deterioration. This lake suffered maximum when unprecedented down pour for 2 days in August 1981 deposited enormous amount of sand and silt through wastewater drains.

After 45 years of neglect, Ministry of Environment and Forest, New Delhi and State Government of Rajasthan have ventured into its restoration which is being executed by Jaipur Development Authority (JDA). This includes revamping of existing 27MLD Sewage Treatment Plant near Bhrahampuri from which 7MLD treated water will be diverted to lake for compensating evaporation losses, lake front promenade along Amber road, road construction along south-east bank, desilting of lake, islands for bird nesting, check dam (about 5ha) for storing rainy season hill run off to forest wild life and manual removal of water hyacinth. JDA has funded to State Forest Department for conserving soil and water on the forested hills surrounding lake from three sides.

Our team in coordination of Prof. Subhasini Sharma Department of Zoology ,Univ. of Rajasthan Jaipur and her students have also executed JDA sponsored lake bank stabilization program since May 2005 and planted 35 species of trees and 28 of shrubs and under shrubs on the upper (relatively drier) reach of the bank slope. Among the 11 marshy species planted, only *Arundo*, *Cyperus*, *Phragmites*, *Scirpus* and *Saccharum* are surviving. *Arundo*, being the most successful one. Introduction of free floating and submerged species was however, unsuccessful in the lake. Besides landscape improving, plant species are providing shelter and food to both native and migratory birds.

Rajasthan Tourism Development Corporation (RTDC) joined hand with Jalmahal Resort Pvt. Ltd. Jaipur to develop infrastructure for tourism outside the lake under Public-Private partnership agreement. However, the latter is unofficial master of lake and pursuing unscientific management practices derogatory to the lake ecosystem as well as monument therein and vicinal areas.

Guest Speaker IV: Prof. N.P.Singh, Former Head Department of Zoology Rajasthan University thrown light on the "Common Myths about the Spiders". During his session he has told the young students how to collect and archive spider webs. He also told that spiders constitute a large group of predatory animals grouped under order Araneae of phylum Arthropoda. They are found on every continent except Antarctica, and have adapted to all known ecological conditions except air and open sea. Spiders have been regarded as good indicators of habitat quality due to their sensitivity to change in their environment. Spiders are attractive because of their intriguing biology and they can be easily collected and maintained in laboratory. This study aims to monitoring the diversity, population structure and distribution and web- structure of spiders fauna in Shekhawati Aravali region of Rajasthan, India. It also focuses on richness of spiders per habitat, percent abundance of families within each habitat feeding potential of certain predominant spider species. A total of 328 spiders species were collected during field survey conducted from march 2010 to april 2013. The identification revealed 45 species of spiders belonging to 32 genera and 16 families. Data so collected from sampling sites were proceeded to determine a number of stastical measures such as richness, Shannon- weiner index and Simpson index. Results indicated the mximum spcies richness (25.96) and Shannon index value (3.18) in woodland due

to its dense plant canopy and more prey availability. It was conducted that spider communities fluctuated in these habitat types due to different ecological conditions.

Summarizing Session II : The Technical Session II was summarized by Mr. Santosh (student and member Thar India Institution) . Mr. Santosh presented his views poetically on Geographical entity and cultural unity in Rajasthan under the crowning glory of Aravali.

6. Technical Session III : The Book Release and Panel Discussion

The Book Release: Dr SS Yadav president of the Thar India Institution read few to give the glimpses of the book for the audience. Dr. N.C Jain (IFS), Shri Hari Ram Meena (Retd. IPS) , Prof. P.K.Goyal , Prof G.C Jain and Prof Subhasini Sharma coordinator of the seminar release the book titled, “JAIN ACHARYA_ MIMANSA AVAM PARYAVARAN” author by Dr. S. S. Yadav, President- Thar India Institution (TII),an NGO. Dr . Yadav also announced the achievements of the TII along with the brief on his penned book.



Panel Discussion: The panel speakers were Dr. N.C Jain (IFS), Shri Hari Ram Meena (Retd. IPS) and Prof. P.K.Goyal . The panel discussion took over various issues of concern related to forest and wild life.The

youngest active participants were Mr. Abhaya and Ms. Vaishnavi (both are school going kids) they probe on wild life conservation and illegal mining.

Wild Life Exhibition:



Prize Distribution: Dr. N.C Jain (IFS), Shri Hari Ram Meena (Retd. IPS) , Prof. P.K.Goyal , Prof G.C Jain and Prof Subhasini Sharma bestowed the under mentioned participants for their posters in wild life exhibition. Master Chakradhar and Miss Suman , won under the category- “Environment through my perception” sponsored by Thar India Institution.

First Rank: Ms. Megha

Second Rank: Ms. Beena

Third Rank: Ms. Ritu and Ms. Jyoti

Consolation Prize: Ms.Shweta.

7. **Valediction Ceremony and Vote of Thanks:** Dr. Ruchi Tyagi, C.S.R Advisor to Thar India Institution Master the Valediction Ceremony and forward thanks to all associated with the program.