



**WORLD DAY TO COMBAT DESERTIFICATION 2016
CELEBRATION AT ARID FOREST RESEARCH INSTITUTE, JODHPUR
17th June 2016**



**Ministry of Environment, Forest & Climate Change
Government of India**

(Organized at Arid Forest Research Institute, Jodhpur)

World day to combat desertification 2016

The World Day to Combat Desertification (WDCD) is observed worldwide every year on 17th June, since 1995 to promote public awareness relating to international cooperation to combat desertification and the effects of drought. In 1994, the United Nations General Assembly declared (General assembly resolution A/RES/49/115) June 17 the "World Day to Combat Desertification and Drought" to promote public awareness of the issue, and the implementation of the United Nations Convention to Combat Desertification in those countries experiencing serious drought and/or desertification, particularly in Africa. Since then, country parties to the Convention, organizations of the United Nations System, international and non-governmental organizations and other interested stakeholders have celebrated this particular day with a series of outreach activities worldwide.

The World Day to Combat Desertification is a unique occasion to remind everybody that desertification can be effectively tackled, that solutions are possible, and that key tools to this aim lay in strengthened community participation and co-operation at all levels. Country Parties and civil society organizations are invited to organize events to celebrate the World Day to Combat Desertification as an additional opportunity to increase awareness raising and participation in the process. Though land is a valuable and limited natural resource, it has been an overlooked component in sustainable development for years. It is time we change this, and therefore the clear emphasis should be on importance of inclusive cooperation to restore and rehabilitate degraded land and contribute towards achieving the overall Sustainable Development Goals.

In order to “leave no one behind” as proclaimed in the new Sustainable Development Goals, achieving land degradation neutrality needs to be in the forefront to meet our requirements and develop sustainability.

The theme for this year’s celebration is **“Inclusive cooperation for achieving Land degradation Neutrality”** and with a very emphatic and compelling slogan **“Protect Earth. Restore Land.**

Engage People.” This slogan clearly emphasizes on the importance of comprehensive participation and cooperation of the people in working towards achieving Land Degradation Neutrality. Sustainable Development Goals (SDG) No. 15, one of the goals to be achieved by 2030: envisage to sustainably manage forests, combat desertification, halt and reverse land degradation and halt biodiversity loss.

Global observance

The global observance event on 17 June 2016 was held in Beijing, China, hosted by the State Forestry Administration of China (SFA). In 2013, China embarked on the new development strategy, “The Belt and Road,” aiming to strengthen cooperation among countries primarily in Eurasia. Since then, it has been promoting green and low-carbon infrastructure construction in cooperation with the neighboring countries connected by the historic Silk Road.

Observance in India

The Ministry of Environment , Forest and Climate Change (MoEF&CC), Government of India organized series of events on the occasion of WCD 2016, involving school children, members of village forest protection and management committees, practitioners, various research organizations, political leaders and private sector at Arid Forest Research Institute(AFRI), New Pali Road, Jodhpur.



Ceremonial plantation of saplings was done at the AFRI campus by the Chief Guest and other dignitaries. The Chief Guest of the function, Hon'ble Member of Parliament, Jodhpur Shri Gajendra Singh Shekhawat planted a sapling of the species *Mitragyna parvifolia* in front of the institute building. Other dignitaries also planted different species of local importance during the ceremonial plantation.

School children were invited to participate in a drawing and painting competition at AFRI campus on 17th June 2016. Announcement was made on the institute's website and through news papers for the competition. To ensure large number of participation various school authorities in the city were also contacted.

In association with the state forest department, a training programme was organized at AFRI campus for the foresters and members of village forest protection and management committees of Jodhpur, Jaisalmer, Pali, Sirohi, Jalore and Barmer districts.

In addition, a workshop on **Desertification and Land Degradation: Assessment and Rehabilitation Measures** was organized as the technical part of the day long celebrations of the World Day to Combat Desertification. The workshop was attended by scientists from Space Applications Center (SAC) Ahmedabad; RRSC-W, Jodhpur; Scientists of CAZRI and AFRI and Director, Green India Mission, Mrs. Bharati. The workshop was chaired by Dr. L.N. Harsh, Former VC, Agricultural University, Jodhpur and Co-Chaired by Dr. D.K. Das, Associate Director, SAC, Ahmedabad.

Inaugural function



The inaugural function was attended by a galaxy of eminent personalities from various fields, which was organized in the Conference hall of Arid Forest Research Institute, Jodhpur. Honorable Member of Parliament, Jodhpur, Sh. Gajendra Singh Shekhawat presided as the chief guest of the function. At the

onset Director, AFRI Sh. N.K. Vasu extended his hearty welcome to all the guests to the gateway of Indian Desert- Jodhpur. He gave a brief account of various research activities taken up by

AFRI to address issues related to desertification. In his address Sh. Vasu thanked the Ministry of Environment, Forest and Climate Change (MoEF&CC) to organize this very important day celebration at AFRI.



A video message of the Honorable Minister, Ministry Environment, Forest and Climate Change, Sh. Prakash Javdekar, was played during the function. In his video message the Minister conveyed his greetings to all for celebrating the day. He emphasized on rain water harvesting and conservation

practices to combat desertification. He informed that, for the benefit of the farmers, soil health card is playing a big role and various advance techniques like remote sensing are being utilized to generate information to aid farmers.

The Joint Secretary, Ministry Environment, Forest and Climate Change, Sh. Ravi Shankar Prasad, in his address, informed the house that the Ministry has set a target to reduce soil erosion and land degradation by 2030 through various programmes.

The chief guest, Honorable Member of Parliament, Jodhpur, Sh. Gajendra Singh Shekhawat in his address called for a mass movement to protect the environment and combat desertification. He informed the gathering about the rich tradition of Indian Desert to protect its natural resources mentioning the sacrifice of people of Khejrli village to save Khejri (*Prosopis cineraria*) trees led by Amrita Devi.





Inauguration of the book entitled "Cacti in Desert botanical Garden"



Inauguration of Desertification and Land Degradation Atlas of India

On the occasion two books were inaugurated by the Honorable guests on dais. One Atlas titled **Desertification and Land Degradation Atlas of India** by Space Application Center, Ahmedabad; and a book entitled "**Cacti in Desert botanical Garden**" by Central Arid Zone Research Institute (CAZRI), Jodhpur.

Dr. Y. V. N. Krishnamurthy, Scientific Secretary, Department of Space in his address opined that the programmes addressing combating desertification should be based on sound analysis of data generated by different agencies like ISRO. Additional Secretary, MoEF&CC, Sh. Rajani Ranjan Rashmi expressed that in-spite of implementing various programmes to combat desertification, there is an increase in land degradation and gradual decline in productivity. To address this issue, there is a need for specific programme for controlling desertification in relation to climate change and biodiversity.

There was a prize distribution ceremony for the winners of drawing and painting competition. Chief Guest of the function, Honorable MP, Sh. Gajendra Shekhawat distributed certificates and trophy to the winners.



First prize winner of Junior group



First prize winner of Senior group

Director, Green India Mission, MoEF&CC, Ms. Bharati proposed a vote of thanks at the end of the function.

Training of village forest protection and management committees on “मरु प्रसार रोक हेतु पौधारोपण एवं जनभागीदारी”.

One day training on “मरु प्रसार रोक हेतु पौधारोपण एवं जनभागीदारी” was organized at Arid Forest Research Institute, Jodhpur in association with the state forest Department, Rajasthan. Members of village forest protection and management committees of Pali, Sirohi, Jalore, Jodhpur, Indira Gandhi Nahar Pariyojana Jaisalmer and DDP Jaisalmer (184 participants) participated in the training programme. There were 75 trainee foresters from Desert Forest Training Center, Jodhpur, who also participated in the training.



Self help group displaying their products



Self help group from Jaisalmer



Honorable MP, Jodhpur addressing the trainees

During the training programme the Chief guest of the 'World day to combat desertification and drought' celebration, Honorable Member of Parliament Sh. Gajendra Singh Shekhawat addressed the participants. In his address Sh. Shekhawat appealed to all the participants to initiate a mass movement involving the local people to conserve forest and other natural resources. He emphasized on small activities on individual level, like saving energy, which will have a larger effect to keep our environment protected. Honorable MP took feedback from the trainees about the training too.

There was arrangement for display of various products made by the self help groups in the training venue. Self help groups from all the six districts displayed their products; ranging from embroidery items to semi processed plant products of local origin used for vegetable, medicine and other purposes.



Training session at Conference hall, AFRI

The trainees were exposed to different technologies developed at AFRI. A visit to the AFRI nursery was made and improved nursery practices were explained and demonstrated in details. The trainees were taken to the Arboratum and other experimental fields of AFRI. Different techniques of rain water harvesting and conservation practices to improve productivity in agroforestry were explained to the participants. Other topics that were explained to the trainees were direct –indirect benefits from trees, Plantation techniques, Different methods of combating desertification, sand dune stabilization, restoration of degraded hills, medicinal plants etc.

Workshop on “Desertification and Land Degradation: Assessment and Rehabilitation Measures

The workshop constituted the technical part of the daylong celebrations of the World Day to Combat Desertification. The workshop was attended by scientists from Space Applications Center (SAC) Ahmedabad; RRSC-W, Jodhpur; CAZRI and AFRI as well as Director, Green India Mission, Mrs. Bharati. The workshop was chaired by Dr. L.N. Harsh, Former VC, Agricultural University, Jodhpur and Co-Chaired by Dr. D.K. Das, Associate Director, SAC, Ahmedabad.



Dr. T.S.Rathore, Group Coordinator (Research), introduced the chairman Dr. L.N. Harsh highlighting his career achievements. He then introduced the co-chair, Dr. D.K. Das, Associate Director, Space Applications Center (SAC), Ahmedabad.

The chairman thanked the Director AFRI for organizing the workshop. He raised concern over the fact that one-fourth of the agricultural land has been affected by desertification. He delved upon the problems of climate change and associated land area shrinkage due to desertification and sea water rise leading to immigration of populations to arable land. He felt that GIS can be used in assessment of soil moisture, crop productivity, land use change pattern etc., and can thus help cope up with deteriorating scenario. The Chairman then introduced all the 7 speakers of the technical session. He also applauded the contributions of AFRI in the field of environmental interventions through forestry.

The first speaker of the session was DR. A.S. Rajawat, Scientist SAC, Ahmedabad. The title of his talk was “Monitoring desertification and land degradation of India using satellite data: status and future plans”. He informed that vulnerability mapping methodologies are being evolved. He showed the current status of land degradation and desertification in the nation leading to a loss of 24 billion tonnes of fertile soil per annum. Land degradation affects 1.5 billion people. He discussed the causes of desertification at length, wind and water being the chief ones. He described the classification system and data used for desertification status mapping. He exemplified disturbance signatures in land through satellite imagery. He showed how Radar Imaging Satellite (RISAT) has enabled visualization of buried deltas. He showed how radar data gives better signature recognition when used together with optical data.

The second speaker was Dr. S.K. Sharma who gave a demonstration of VEDAS. VEDAS stands for “**V**isualization of **E**arth **O**bservation **D**ata and **A**rchival **S**ystem”. It is a complete portal with application, training and research modules, atlases made available through satellite data interpolation. Through the portal village-level vulnerability maps can be generated with ease. So is availability of costal data, data on glaciers as well as solar potential data. Water level data is available under hydrology section. The portal also has 3D visualization of mars and moon. The portal has great utility and can be easily be used in consonance with other disciplines like forestry for real impact.

Dr. K.L.N. Sastry was the third speaker. He spoke about “Desertification vulnerability modeling using geo-informatics”. He informed the audience about the importance of vulnerability modeling in forecasting a near future event. He discussed about pressure indicators like – population density, facilities, economic status etc., the impact indicators like unemployment, literacy, economic status etc.; and the status indicators like agricultural practices, forest status, slope, soil depth etc. He showed the 3 mathematical models that have been developed namely – fuzzy logic model, principal component analysis model and modified weighted index analysis model. The third has been found to be the best. The methodologies used for vulnerability mapping and derivation of Desert Vulnerability Index (DVI) were described at length. All the data on DVI is available under VEDAS.

The fourth speaker was Dr. J. P. Patel who presented “Kachchh Resource Information System (KRIS)” based on high resolution satellite data. KRIS is based on 1:25,000 scale Kachchh district satellite data and uses various GIS tools. Key features of KRIS were showcased using screenshots. KRIS has been implemented by GSLDC, GSWRDC, Commissionerate of Rural Development, MENREGA implementation monitoring.

Dr. B.K. Bhadra of ISRO-RRSC, Jodhpur was the fifth speaker who talked about “Desert Information System – Remote sensing and GIS perspectives”. He described the dune morphometry around Chamu village in Jodhpur district. Using DIS he showcased the case of shifting sand dunes in Barmer. He also showed the accomplishments of palaeo-channel mapping in Rajasthan and Gujarat. The ground water decline rate has been studied and it has been predicted that by 2061, most ground water would be gone. He also showed river beds of India in INDIA-WRIS system. He emphasized that in collaboration with research institutes like AFRI, CAZRI, BSI, ZSI, Locust Warning System etc. the DIS can be effectively implemented.

The penultimate speaker was Dr. Suresh Kumar from CAZRI, Jodhpur. He talked about “Ecological management of arid lands for combatting desertification”. He started by pondering upon a situation if there were no deserts, and under such a scenario, there would be no monsoons, no desert flora and fauna. He felt that deserts are good if contained. He emphasized on standardization of benchmarks and indicators and linking these with production potential in

different rainfall and physio-geographic situations. He also showcased the sand dune stabilization and shelterbelts efforts of CAZRI.

The 7th and the last speaker of the session was Dr. G. Singh, Scientist G, AFRI. He talked about “Rehabilitation of degraded lands”. Sand dune stabilization using *Cassia angustifolia* as live macro-windbreaks was shown as an effective way of stopping reactivation of sand dunes. Combination of *Calligonum polygonoides* with *senna* gives best productivity. The speaker also showed various effective rain water harvesting structures. He informed that carbon content varies from 40% to 55% in different parts of the plant species. Rajasthan forests harbor 305.19 million tonne (Tg) of carbon. Jodhpur has 247.93 Tg (Tg=10¹²g) carbon stock. He also presented the work carried out by AFRI on – rehabilitation of salt affected lands using indigenous and exotic species; solution of waterlogging problem in IGP area through bio-drainage and rehabilitation of degraded hills.

Towards the end, the Chairman thanked the speakers and felt happy that there was a ray of hope for combatting desertification through use of space technology, proper management and forestry research. The Co-chair felt that its time that the space technology reaches the grass-root level, as also envisioned by the Honorable Prime minister. He congratulated the speakers for excellent presentations.

Director AFRI, Shri N.K. Vasu concluded by emphasizing the importance of GIS for practical management of arid lands. He shared his experiences of using GIS that helped him during his day at Kaziranga National Park in Assam and prediction of water level rise during flooding of Brahmaputra basin. He thanked the dignitaries for visiting the institute and making the event a grand success.

The vote of thanks was proposed by Dr. I.D. Arya.

DRAWING AND PAINTING COMPETITION

A drawing and painting competition was organized in the morning of 17th June 2016 at AFRI community hall for School children. Announcement was made on the institute's website and through news papers for the competition. To ensure large number of participation various school authorities in the city were also contacted. The competition was organized for two categories with different topics.



Drawing and Painting competition : Registration and Prize Distribution

Topics of the Drawing and painting competition

Junior category (Class V – VII): Greenery and Livelihood

Senior category (Class IX – XII) : Land Degradation and Restoration in Arid Zone

There was a panel of three judges from reputed educational and research institutions. On completion of the competition the participants and parents were served refreshments and certificate of participation with small gift (pen for seniors and colour pencil set for juniors) was distributed to all participants.

The winners of the competition were invited to be present in the inaugural function for the prize giving ceremony. Chief Guest of the function Honorable Member of Parliament Sh. Gajendra Singh Shekhawat awarded certificates and trophies to the winners. A large number of paintings made by the winners and other participants were displayed at the programme venue.



Display of paintings



Students posing in front of their paintings

NAMES OF THE WINNERS OF DRAWING AND PAINTING COMPETITION

Junior Group (Class VI - VIII)

First Prize – Sh. M. Gopal Krishna

Second prize – Ms. Palakshi Vyas

Third prize – Ms. Ayushi Patel

Encouragement prize – Sh. Yash Jedia

Senior group (Class IX- XIII)

First Prize – Ms. Nidhi Paliwal

Second prize – Ms. Ankita Parihar

Third prize – Ms. Sadia Khan

Encouragement prize – Ms. Tanushree Sharma

News paper cutting-



केंद्रीय वन मंत्रालय ने कहा : एक साल में तैयार करें राष्ट्रीय योजना, हर साल एक लाख हेक्टेयर जमीन हो रही है बंजर

काजरी-आफरी को दी मरुप्रसार रोकने की जिम्मेदारी



विश्व मरु प्रसार रोक दिवस पर बुकवार को आफरी में आयोजित कार्यक्रम में संबोधित करते वक्ता।

एक्सपोज़ रिपोर्ट

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जोधपुर. पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय ने देश में बढ़ रहे मरुस्थलीकरण को रोकने के लिए केंद्रीय शुष्क क्षेत्र अनुसंधान संस्थान (काजरी) और शुष्क वन अनुसंधान संस्थान (आफरी) को जिम्मेदारी दी है।

मंत्रालय के अतिरिक्त सचिव रजनीरंजन रश्मी ने दोनों संस्थानों से कहा कि वे एक साल में राष्ट्रीय योजना का मसौदा तैयार करें। अगले साल 17 जून तक यह योजना अमल में आ जाए जिससे रेगिस्तान के विस्तार पर काबू पाया जा सके। रश्मी ने शुक्रवार को

विश्व मरु प्रसार रोक दिवस पर आफरी में आयोजित कार्यक्रम को संबोधित करते हुए कहा तेजी से बढ़ रहे मरुस्थलीकरण से हर साल 1 लाख हेक्टेयर से अधिक जमीन खराब हो रही है।

इसरो द्वारा एकत्रित किए डाटा के अनुसार वर्ष 2003 में देश में 94.53 मिलियन हेक्टेयर जमीन अव्यक्त थी जो 2011 में बढ़कर 96.40 मिलियन हेक्टेयर हो गई।

कार्यक्रम में यह भी बोले

सांसद गजेंद्रसिंह शेखावत ने मरु क्षेत्र में हरियाली के लिए एक जन आन्दोलन

चलाने की जरूरत बताते हुए खेजड़नी में पेड़ों की रखा के लिए अमृता देवी एवं अन्य के बलिदान को याद किया। उन्होंने कहा कि 2060 तक तापमान में 3 से 5 डिग्री की बढ़ोतरी से सर्वाधिक असर राजस्थान पर पड़ेगा।

■ आफरी निदेशक एनके वासु ने मरु प्रसार रोक दिवस को महत्ता बताई।

■ केंद्रीय वन मंत्रालय के संयुक्त सचिव रविशंकर प्रसाद ने बताया कि मंत्रालय की ओर से सन् 2030 तक मृदा क्षरण न्यूनता के प्रयास किए जा रहे हैं।

■ राष्ट्रीय परियोजना निदेशक, अन्तरिक्ष उपयोग केन्द्र (इसरो), अहमदाबाद के डॉ. केएस राजावत

चित्रकला प्रतियोगिता के विजेता पुरस्कृत



आफरी की ओर से स्वर्णी शिवाडिंदी के लिए दो वर्गों जूनियर (कक्षा 5 से 8 तक) और सीनियर (कक्षा 9 से 12 तक) वर्गों में चित्रकला प्रतियोगिता रखी गई, जिसमें 80 छात्र-छात्रा शामिल हुए। जूनियर वर्ग

में एम गोपालकृष्ण प्रधान, पलाशी व्यास द्वितीय और तृतीय स्थान पर आरुषी पटेल रही। सीनियर पुरस्कार यश जोडिया को मिला। सीनियर वर्ग में प्रथम स्थान निधी फलोवाल, द्वितीय अरिक्ता परिहार, तृतीय राधिका खान

और तनुश्री शर्मा को सातवां पुरस्कार मिला। इसके अलावा ग्राम का सुरक्षा प्रबंधन समितियों की कार्यशाला और इसरो, काजरी, एवं आफरी के वैज्ञानिकों के साथ तकनीकी सत्र भी आयोजित किया गया।

ने मरुस्थलीकरण एवं भू-क्षरण आधारित मानचित्रावली का विमोचन करते हुए बताया कि भारत के अधिकतम मरुस्थलीकृत व भू-अवक्रमित राज्यों में राजस्थान, महाराष्ट्र एवं गुजरात आते हैं।

■ इस मौके पर इसरो द्वारा मरुस्थलीकरण मानचित्र तथा काजरी द्वारा तैयार की गई पुस्तक 'केन्द्रई इन डेजर्ट बोटैनिकल गार्डन' का विमोचन किया गया। इसरो के वैज्ञानिक डॉ. एस्पर शर्मा ने वेबक्स के बारे में बताया।

■ विज्ञान एवं तकनीकी विभाग के वैज्ञानिक सचिव डॉ. याईवीएन कृष्णामूर्ति ने विभिन्न आंकड़ों का अध्ययन और विश्लेषण कर कार्यक्रम बनाने पर जोर दिया। ताकि मरुस्थल प्रसार रोका जा सके।

मरु क्षेत्र में हरियाली के लिए जन आंदोलन चलाने की जरूरत : शेखावत

आफरी में मरु प्रसार रोक दिवस कार्यक्रम में पानी के संरक्षण पर जोर



आफरी सभागार में आयोजित विश्व मरु प्रसार रोक दिवस कार्यक्रम में बड़ी संख्या में शहर के गणमान्य लोगों ने शिरकात की।

जोधपुर। प्राचीनकाल से ही मरु क्षेत्र के मनीषी प्राकृतिक संसाधनों के संरक्षण एवं संवर्धन के लिए किए जाने वाले वैज्ञानिक प्रयासों से भली-भाँति परिचित थे तथा ओरण, गोचर एवं तलाबों के आगोर द्वारा हर व्यक्ति प्राकृतिक संसाधनों के सतत उपयोग के लिए कार्य करता था। सरकारी प्रयास के साथ-साथ आज आवश्यक है कि हर एक व्यक्ति अपने-अपने ढंग से मरु क्षेत्र में हरियाली लाने के लिए प्रयास करे। ये उद्गार सांसद गजेन्द्रसिंह शेखावत ने शुष्क वन अनुसंधान संस्थान (आफरी) सभागार में शुक्रवार को आयोजित विश्व मरु प्रसार रोक दिवस कार्यक्रम में बतौर मुख्य अतिथि व्यक्त किए। शेखावत ने मरु क्षेत्र में हरियाली लाने के लिए जन आंदोलन चलाने की जरूरत बताई।

कार्यक्रम के आरंभ में आफरी निदेशक एनके वासु भावसे ने अतिथियों का स्वागत करते हुए मरु प्रसार रोक दिवस के बारे में बताया। कार्यक्रम में भारत सरकार के वन, पर्यावरण एवं जलवायु परिवर्तन मंत्री प्रकाश जावड़ेकर ने अपने वीडियो संदेश में चराई को नियंत्रित करने तथा पानी का उचित संरक्षण कर मरु भूमि को हरित भूमि में बदलने का आह्वान किया। संयुक्त



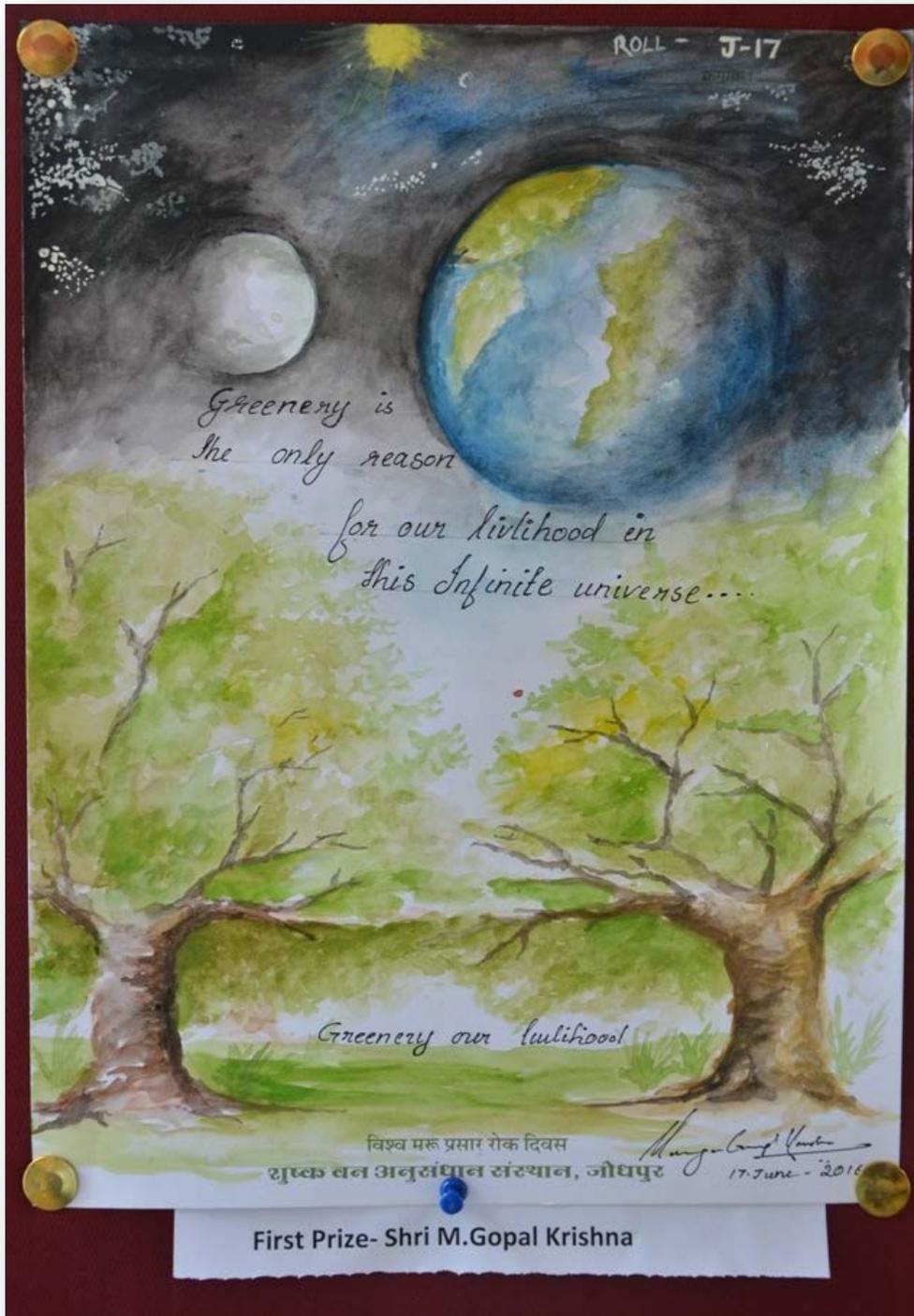
अतिथियों ने 'कैवट ईन डेजर्ट बोटैनिकल गार्डन' पुस्तक का विमोचन किया।

सचिव वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय रविशंकर प्रसाद, राष्ट्रीय परियोजना निदेशक, अंतरिक्ष उपयोग केंद्र (इसरो), अहमदाबाद के डॉ. केएस राजवत ने भी अपने विचार रखे। इस अवसर पर इसरो द्वारा मरुस्थलीकरण मानचित्र तथा काजरी द्वारा तैयार की गई पुस्तक 'कैवट ईन डेजर्ट बोटैनिकल गार्डन' का विमोचन भी किया गया। इसरो वैज्ञानिक डॉ. एसए शर्मा ने वेडास के बारे में बताया। विज्ञान विभाग के वैज्ञानिक सचिव डॉ. वईवीएन कृष्णामूर्ति, वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय की अतिरिक्त सचिव रजनी रंजन शर्मि ने भी विविध जानकारी दी। अंत में निदेशक हरित भारत मिशन, वन, पर्यावरण एवं जलवायु परिवर्तन मंत्रालय की भारती ने धन्यवाद ज्ञापन किया। इससे

पूर्व आफरी फ़िरसर में पौधरोपण किया गया। साथ ही ग्राम वन सुरक्षा प्रबंधन समितियों के सदस्यों के लिए जागरूकता एवं प्रशिक्षण कार्यशाला तथा इसरो, काजरी, एवं आफरी के वैज्ञानिकों के साथ तकनीकी सत्र भी आयोजित किया गया।

चित्रकला प्रतियोगिता के विजेता प्रतिभागी घोषित

आफरी द्वारा विद्यार्थियों के लिए दो वर्गों में जुनियर (कक्षा 5 से 8 तक) एवं सीनियर वर्ग (कक्षा 9 से 12 तक) के लिए चित्रकला प्रतियोगिता आयोजित की गई। इसमें 80 विद्यार्थियों ने भाग लिया। जुनियर वर्ग में एम. गोजल कृष्णा प्रथम, पलाशी व्यस दितीय व आयुषी पटेल तृतीय रहे। सीनियर वर्ग में निधि जलौवाल प्रथम, अरिक्ता परिहर दितीय व तन्विता खन्न तृतीय रही।



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