

## संस्कृत और विज्ञान

वेदानुरागी बंधु जन,

वेदों में साइंस को पहचानने के लिए संस्कृत के विद्वानों का आधुनिक साइंस की विचार धारा से जुड़ने का महत्व दर्शाने के लिए ऋग्वेद के एक मंत्र 2.14.4 मंत्र का उदाहरण प्रस्तुत है

महर्षि दयानंद निर्विवादित आधुनिक काल में वेदों के सब से महान पण्डित संस्कृत विभूति थे | संस्कृत के प्रकाण्ड विद्वान होने के नाते उन के द्वारा किए गए वेद मंत्रों के पदार्थ पर वैज्ञानिक दृष्टिकोण से कितना महत्व पूर्ण आधुनिक विज्ञान उजागर होता है वह निम्न विवरण से स्पष्ट है |

1. ओज़ोन आवरण के संरक्षण में वन सम्पदा और जीवन शैलि का महत्व

Veda is clearly referring to the green house gases causing the damage to Ozone

अध्वर्यवो य उरणं जघान नव चखांसंनवतिं च बाहून् ।

यो अर्बुदमव नीचा बबाधे तमिन्द्र सोमस्य भृथेहिनोत् ॥ ऋग्वेद2.14.4

**महर्षि दयानंद पदार्थ** – हे! (अध्वर्यवः ) सब के प्रिय चरणों को करने वाले विद्वानों O providers of great desirable help for all ! तुम (यः ) you जो जन those (उरणम्) आच्छादन करने वाले our covering material - a blanket (चखांसम्) मारने वाले के प्रति मारने वाले को desiring to destroy ( जघान्) मारे kill और and ( नव, नवितम्) न्यन्यानवे ninety nine (बाहून्) बाहुओं के समान सहाय करने वालों को hands that are helping (to destroy our covering material) (च) भी मारे also kill (यः ) जो those (अर्बुदम् ) दश करोड़ hundred million i.e. Very large number (नीचा) नीचों को down below (अव, बबाधे) बिलोता है churns them very vigorously (तम्) उस (इन्द्रम्) बिजुली के समान सेनापति को like an electrified commander (सोमस्य) ऐश्वर्य के for welfare & prosperity (भृथे) धारण करने माइं like providing (हिनोत्) प्रेरणा देओ activate them inspire them ॥4॥

Kill / deactivate the few that damage with intent to destroy our blanket and promote and activate the army of trillions of elements down below to violently churn and provoke lightning

in the sky ( to protect our blanket) for our welfare & prosperity. Regular rains will protect earth's green cover, and violent storms will not trouble us.

महर्षि दयानंद का भावार्थ- हे सेनास्थ मनुष्यो ! तुम को जो कि अनेकों सहाययुक्त दुष्ट करने वाले दुराचारियों का मारने और राज्यैश्वर्य का पुष्ट करने वाला हो वह सेनापति करना चाहिए ।

अन्य भाष्यकारों द्वारा इस वेद मंत्र का निम्न भावार्थ मिलता है ;

1. सायण भाष्य - अध्वर्यु गण , जिन इंद्र ने निम्नानवे बाहु दिखाने वाले उरण का विनाश किया था तथा अर्बुद को अधोमुख करके विनष्ट किया था , सोम तैयार होने पर उन्हीं इंद्र को प्रसन्न करो।
2. Wilson Translation ( based on Sayan) - Priests, propitiate, by offering the *Soma*, that Indra, who slew *Urana*, displaying nine hundred ninety nine arms; and hurled *Arbuda* down headlong.
3. सातवकेकर का भावार्थ- जो इंद्र अनेक असुरों का वध करता है, वही सोम पीने का अधिकारी है।
4. पण्डित जयदेव शर्मा भाष्य - प्रजा का हिंसा कार्य न हो ऐसा प्रबंध करने वाले विद्वान् मशासक पुरुषो! जो वीर पुरुष दूसरे के माल को या सत्य छुपाने वाले और प्रतिघात करने वाले शत्रु का भी नाश करने में समर्थ है और सौ के बीच अकेला रह कभी शेष 99 शस्त्रधारी हाथों को रण में पछाड़ सके , जो अरबों शत्रु गणको नीचे दबा कर पीड़ित कर सके, उस सेनापति को ऐश्वर्य के धारण और राष्ट्र के पालन करने के लिए आगे बढ़ाओ। उस को राज्य का सर्वोत्तम पद प्रदान करो।
5. पं. हरिशरण सिद्धांतालङ्कार भावार्थ - कायरतापूर्ण संकोच नष्ट करके हम आगे बढ़ने के लिए यत्नशील हों। वासना जीत कर सोम का पान करते हुए हम प्रभु का हृदयों में दर्शन करें।

वैज्ञानिक दृष्टिकोण से भावार्थ ;

इस आच्छादन को क्षति पहुंचाने वाले सीमित श्रेणियों के तत्व हैं ( Green house gases ) पर नियंत्रण करो ,तथा इस आवरण की सुरक्षा करने वाले , असंख्य वनस्पतियों और व्यवस्थित जीवनशैलि की आवश्यकता को युद्ध स्तर पर एक कुशल सेनापति की तरह कार्यान्वित करो ( वनसम्पदा का संरक्षण और वृक्षारोपण का महत्व और सात्विक जीवन शैलि को अपना कर ही

ऐसा होगा. ) पर्यावरण में व्यवस्था ठीक होने से वर्षा यथा समय होगी , आंधी तूफान तंग नहीं करेंगे.

This protective garment is like the fleece of a sheep. There are trillions of hands on the ground, which supports the actions to prevent damage to this garment (in the space) and to keep it in good repair like new. These trillions of hands churn the environments with lightening and greenery to disarm the attackers of the fleece like protective cover. Like a good leader of armies, motivate these 'GREEN' actions on the lands to bring prosperity to all.

Scientific Explanation;

**(The modern scientific evidence indicates that reduced green cover on ground causes increased levels of (carbon dioxide in our air that are enhancing the global greenhouse effect and throwing the Earth's energy equation out of balance. That means more energy for storms in all seasons, for more extreme weather, for more droughts and floods, for changing climate patterns. We're heading into uncharted territory and we need to reverse course and bring CO2 back to 350 ppm or our children and grandchildren will scorn our selfish stupidity. It is long past time for us to take action.)**

Agents causing damage to Ozone layer (Green house gases are limited in numbers and ved refers to them as small numbered )

ओज़ोन आवरण नष्ट करने वाले भिन्न भिन्न श्रेणी के कार्य. ( गिनती मे कम हैं )

Ozone layer protecting actions are by very large numbers green plants trees shrubs etc. Starting with saving forest cover, tree plantation and change in human life style to more simple living habits are considered the actions necessary to prevent damage to Ozone layer and protect from Global warming.

ओज़ोन आवरण की रक्षा करने वाले असंख्य स्वप्रेरित वनस्पति वृक्षारोपण से ले कर सादा जीवनशैलि कितने असंख्य हैं ।

**Scientists '95 per cent certain' that climate change is man-made**

By [Henricus Peters](#) on 02/09/2013

From [The Independent](#) : Scientists are more certain than they have ever been that humans are causing climate change and believe that sea levels could rise by up to 2ft 8in by the end of the century. These are among the key findings likely to be published next month in the most

authoritative and comprehensive report ever conducted into climate science – the UN Intergovernmental Panel on Climate Change’s (IPCC) fifth assessment, known as AR5.

According to a draft of the report, the certainty that humans are the main cause of climate change has risen to 95 per cent, from 90 per cent in the previous – fourth – assessment six years ago. This, in turn, was a significant increase on the 66 per cent certainty reached in 2001’s third assessment and just over 50 per cent in 1995.

With every IPCC report there is a key phrase that encapsulates the latest consensus on climate change, which scientists wrangle over for months.

According to a leaked copy of the draft, the key phrase in the forthcoming report will say: “It is extremely likely that human influence on climate caused more than half of the observed increase in global average surface temperature from 1951 to 2010.”

“There is high confidence that this has warmed the ocean, melted snow and ice, raised global mean sea level and changed some climate extremes,” adds the draft, which could be changed before the final version is published in Stockholm in September.

The draft projects that seas will rise by between 29cm and 82cm (11.4 to 32.3 inches) by the end of the century, while greenhouse gas emissions continue to soar.

The latest in a series that began in 1990 and last reported in 2007, AR5 has 840 main authors recruited from 38 of the IPCC’s 195 member countries, with British and American scientists making the biggest contribution.

At more than 3,000 pages, the report is so big that it will be released in three parts over the next 14 months. The first part covers the physical science of climate change. The second instalment will concentrate on the impacts of climate change and how to adapt to them, while the third will examine ways to curb the warming.

The report will also explain why global temperatures, while still increasing, have risen more slowly since the late 1990s despite accelerating increases in the greenhouse gas emissions widely thought to be responsible for climate change.

The draft report says there is “medium confidence” that the slowing of the temperature rise is “due in roughly equal measure” to natural variations in the weather and to other factors affecting energy reaching the earth’s surface. Other factors include an increase in the amount of heat being absorbed by deep oceans.

As with the other IPCC reports, AR5 will be a synthesis of the findings of thousands of peer-reviewed research papers from the past few years. It comes at a crucial time in global climate change politics since it will be the last IPCC report published before the Paris summit in 2015, when the world's governments have pledged to reach hugely-ambitious and legally-binding targets to reduce their emissions in a bid to limit global warming to 2C, compared to pre-industrial levels.

The report's authors are being extra cautious with this report after climate sceptics seized on a number of errors in the previous assessment to bolster their case that climate change is greatly exaggerated. The errors included the suggestion that the Himalayan glaciers could melt by 2035.

The key phrase on the likely human influence on climate change in the draft of the latest IPCC assessment strengthens that of 2007's fourth assessment, which said that "Evidence of the effect of external influences... on the climate system has continued to accumulate since TAR [Third assessment report in 2001]".

TAR, in turn, concluded in 2001 that "there is new and stronger evidence [than in 1995] that most of the warming observed over the last 50 years is attributable to human activities". The second assessment report in 1995 said: "The balance of evidence suggests a discernible human influence on global climate."

**On this subject reference to such remedial actions is also given in Yajurveda 3.45 as ;**

**पर्यावरण सुरक्षा पर यजुर्वेद 3.45 में भी निम्न उपदेश प्राप्त होता है.**

### **Yaju Veda 3-45 Environmental Repair**

**यद्ग्रामे यदण्ये यत्सभायां यद्विन्द्रिये । यदेनश्चकृमा वयमिदं तदवयजामहे स्वाहा॥**

**यजु 3।45।।**

Whatever wrong actions we have done in habitations, forests, and in communities, we want to rectify that wrong.