

Recent trends and experimental approaches in  
Science, Technology, Nature and Management

Chapter-2





**Prof. R.S. Dubey**

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Date: November 24, 2018

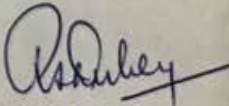
**Message**

I am extremely happy to note that the Society for Science and Nature (India) in collaboration with School of Retail Management, FDDI, Jodhpur is organising International Seminar on Recent Trends and Experimental Approaches in Science, Technology, Nature and Management : Chapter 2, during December 23-24, 2018 at Footwear Design and Development Institute, Jodhpur. It is a matter of great satisfaction that the Seminar is co-organised by M/S Oura Prakashan and Book Distributors Pvt. Ltd, Lucknow.

I am delighted to know that many distinguished researchers from different branches of science, engineering and management are congregating to deliberate on the recent advancements made in their subject areas of research. Science and technology are key drivers for the development of a nation. In Indian context, the visual impacts of researches in science and technology are evident in different segments of life such as health, agriculture, poverty alleviation, affordable energy, water supply, environmental management, economic growth, rural development, education, etc. But our experimental approaches for scientific research should always remain in harmony with the nature in order to meet sustainable development goals.

I am sure, this International Seminar would provide an appropriate forum for interaction with the experts in the diversified fields and the young researchers would be inspired to take up new challenges for carrying out research with appropriate experimental approaches in the fascinating areas of science, technology and management.

I wish the Seminar a grand success.

  
(R S Dubey)



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Date : 14/12/2018

MESSAGE

I am indeed very happy to note that the Society for Science and Nature is organising the Seminar entitled "Recent Trends and Experimental Approaches in Science, Technology, Nature and Management, December 23rd & 24, 2018". Seminars of such nature provide a great opportunity to Research scientists not only to update knowledge and keep obsessed with latest developmental scenario in the respective research fields, but also an occasion for the resource persons / delegates / observers to exchange ideas and interact with each other. I take this opportunity to extend warm greetings to the resource persons and delegates registered for the seminar from different regions.

The theme undertaken for Seminar "Recent Trends and Experimental Approaches in Science, Technology, Nature and Management" December 23rd & 24, 2016" predominantly covered the most subtle issues that may contribute to determine the direction of future building, re-binding and re-enforcing the roots of rural India. I am strongly of the view that it is timely for us to embrace new ideas and new approaches and, as a sector, to be innovative in terms of how new Ideas, new approaches and supporting innovations in agriculture, science and technology should be provided to people. Specific objectives of Seminar were to orient scientists and research fellows towards innovation and best practice internationally; to showcase examples of innovative practices nationally; to generate a range of new ideas/solutions on some core issues and challenges; to give people a live experience of collaboratively generating ideas; to link people with networks that can assist them in progressing ideas after the conference for the challenges that confront people in seeking to achieve these innovations.

I congratulate Society for Science and Nature, FDDI (Footwear Design & Development Institute, Jodhpur) and Oura Prakeshen, Lucknow, for organising such a wonderful intellectual process. I am confident that this international event will provide an opportunity to the scientists and entrepreneurs interact with each other to evoke strategies for joint collaborative efforts and development activities for improving well being of the society.

*R.C. Srivastava*

(R.C. Srivastava)





भारत सरकार  
कृषि एवं किसान कल्याण मंत्रालय  
कृषि, सहकारिता एवं किसान कल्याण विभाग  
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Government of India  
Ministry of Agriculture and Farmers Welfare  
Department of Agriculture, Cooperation  
and Farmers Welfare  
Krishi Bhawan, New Delhi-110001

Director



Dated: 3<sup>rd</sup>, December, 2018

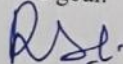
## Message

Innovations are only solution to meet emerging challenges of food for all too geometrically increasing population with limited availability of land. The increase in production and its sustainability is serious challenge in declining natural resources and deteriorating soil health and depleting water resources. It will be indeed difficult to meet these daunting challenges only with the application of conventional techniques, tools and technologies. To address the emerging challenges long term strategies are to be made to increase production and productivity by harnessing the available resources without affecting environment and soil health. It is in this context, the two days International Seminar on “Recent Trends and experimental approaches in Science, Technology, Nature and Management” is being organized on 23-24<sup>th</sup> December, 2018 at Footwear Design and Development Institute, Jodhpur, Rajasthan by the Society for Science and Nature (India) & M/S Oura Prakashan and Book Distributors Pvt. Ltd, Lucknow.

I am delighted to know that many distinguished researchers from different branches of science, engineering and management are congregating to deliberate on the recent advancement made in their subject areas of research, science and technology are key drivers to the development of a nation. In Indian context, the visual impacts of researches in science and technologies are evident in different segment of life such as agriculture, rural development, poverty alleviation, education, welfare governance, socio-economic growth of weaker sections etc should always remain in harmony with nature in order to meet sustainable development goals.

I am sure, the seminar will provide a common platform to all stake holders to share their innovations, experiences and expertise for better understanding the emerging challenges in agriculture, rural development and to fine-tune future strategies and approaches so as to fulfill **the dream of Hon'ble Prime Minister of our country for doubling the income of farmer's.**

I convey my best wishes for drawing the roadmap and strategies to fulfill the above goal.

  
(Dr R. S Kureel)

Formerly, Vice Chancellor, N D University of Agriculture & Technology, Faizabad (U.P)  
Founder Vice Chancellor, Dr B R Ambedkar University of Social Sciences, Indore (M.P)





प्रो० विनय कुमार पाठक  
कुलपति  
Prof. Vinay Kumar Pathak  
Vice-Chancellor



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Uttar Pradesh, Lucknow

Dated : 26.11.2018


## MESSAGE

It is a matter of great pleasure for us to note that Society for Science and Nature is organising a 2 days International Seminar with collaboration of FDDI, Jodhpur, Rajasthan. Theme of the International Seminar is "**Recent Trends and Experimental Approaches in Science Technology, Nature & Management (Chepter-2)**" during 23<sup>rd</sup> and 24<sup>th</sup> December, 2018.

Looking at the pace of growth led by the developments of science and technology, one needs to keep innovating to ensure sustainability. For the purpose of finalisation of research and technology programs to meet the requirements changing times, it is utmost essential that the trends of the given field are understood and the scenario of the future is envisaged. It is only when the focus of research and technological innovations is in sync with the emerging trends, one achieves success.

Emerging trends and developments of science and technology drive the action plans at different levels by all the stakeholders of growth including policy makers, manufacturers, regulators, consumers, institutions etc. With the globalization, trends and developments have no longer remained a regional issue. It will be an opportunity for the faculty and students to have an exposure to the state-of-the-art of technologies at the global level. We are confident that the seminar would achieve its desired objectives.

At the end, I would like to wish the organisers a great success of the International Seminar.

  
(Prof. Vinay Kumar Pathak)  
Vice Chancellor



