

# PROJECT REPORT



## International Year of Periodic Table (IYPT-2019)

**Celebrated 150 Years of Mendeleev's Periodic Table**

**Lectures | Essay-Writing | Poster-Making | Declamation**

**Supported by**

**DEPARTMENT OF SCIENCE & TECHNOLOGY, CHANDIGARH ADMINISTRATION**

**Organized by**

**SOCIETY FOR PROMOTION OF SCIENCE & TECHNOLOGY IN INDIA**

**IN ASSOCIATION WITH  
ALEXANDER VON HUMBOLDT FOUNDATION (CHANDIGARH CHAPTER)**

**WWW.SPSTI.ORG**

## SUMMARY

Dmitri Mendeleev, the major discoverer of the Periodic Table of Chemical Elements organized the table in 1869 which is considered as the year of discovery of the Periodic System. 2019 is its 150th anniversary and has therefore been proclaimed the "International Year of the Periodic Table of Chemical Elements (IYPT2019)" by the United Nations General Assembly and UNESCO. The Periodic Table, which has undergone transformations since the time of Mendeleev, is considered to be one of the most significant achievements in science.

This occasion is being celebrated all over the globe in various forms. UNESCO held the Opening Ceremony on 29th of January 2019 at Paris, France. The IYPT 2019 India Program was launched on January 12, 2019 at Raman Science Centre, Nagpur. The launch seminar was listed on UNESCO-IYPT website. Since then Lectures, quizzes and other events are being organized, capturing the essence not only of chemistry, but also of physics, medicine, earth sciences and biology.

The IYPT 2019 is an opportunity to reflect upon many aspects of the periodic table, including its history, the role of women in research, global trends and perspectives on science for sustainable development, and the social and economic impacts of this field.

With this in view, the Society for Promotion of Science and Technology in India (**SPSTI**) in **association with Alexander von Humboldt Foundation of Chandigarh** joined hands with support from **Department of Science & Technology, Chandigarh Administration** to conduct several awareness programs- Poster-Making, Essay-Writing & Declamation Competitions, and Lectures in schools and colleges of Chandigarh. The topics were "the Periodic Table and its Importance in Chemistry", "Natural and Man-made Elements", "Story of Discovery of Some Important Elements", "Story of the Trans Uranic Elements in the Periodic Table and "The Biological Elements".

The programme was convened by Prof. Alok Srivastava, Dept. of Chemistry, Panjab University and coordinated by Prof. Keya Dharamvir, formerly of Dept. of Physics, Panjab University, Chandigarh. The events commenced in the month of January 2020 and concluded on September 30, 2020 at Paryavaran Bhawan, Chandigarh. Four lectures (two in schools and two in colleges) and two webinars were conducted in which more than five hundred students and forty teachers participated. In essay, poster and declamation competitions, conducted online (because the COVID 19 pandemic and lockdown had started by then), sixty-three students participated out of which fourteen students were awarded cash prizes. The resource persons during the project were Prof. P.V. Bharatam, Dept. of Medicinal Chemistry, N.I.P.E.R. Mohali, Prof. K.K. Bhasin, Emeritus Scientist, Centre for Advanced Studies in Chemistry, and Prof. Tejvir Singh, Professor Emeritus, Baddi University.

The Prizes to the winners were distributed by Shri Debendra Dalai, IFS, Director, Dept. of Science & Technology & Renewable Energy, Chandigarh Administration and Shri Dharam Vir, IAS (Retd.) & former Chief Secretary of Haryana.



## **PROJECT COMPLETION REPORT** **International Year of Periodic Table (IYPT-2019)**

1. **Name and address of the implementing Organization:** Society for Promotion of Science and Technology in India; #229, Sector-4, MDC, Panchkula (134114)
2. **Project:** Celebration of International Year of Periodic Table (IYPT-2019)
3. **Sanction No.:** S&T&RE/PoS/E-17679/151(19-20)/Sanc/11/2019/1827-1834 dated 21.11.2019
4. **Name of the Coordinators:**
  - i. **Prof. Keya Dharamvir**, Formerly at Dept. of Physics, Panjab University
  - ii. **Prof. Alok Srivastava**, Department of Chemistry, Panjab University
5. **Events Organized:** The events organized under the project are mentioned below. A detailed report of the events is attached as **Annexure 3.1**
  - i. **January 24, 2020:** Lecture on “Transuranic Elements of Periodic Table” delivered by Prof. Alok Srivastava, Department of Chemistry, Panjab University at G.G.D.S.D. College, Sec-32, Chandigarh.
  - ii. **January 25, 2020:** Lecture on “Periodicity as a function of element properties” delivered by Prof. Tej Vir Singh at Govt. Model Sr. Sec. School, Sec-23, NYC, Chandigarh.
  - iii. **January 29, 2020:** Lecture on “Periodic Table & its Properties” delivered by Prof. K.K. Bhasin, Emeritus Professor, Panjab University at P.G.G.C.G. Sec-11, Chandigarh.
  - iv. **February 19, 2020:** Lecture on “Fascinating World of Periodic Table” delivered by Prof. Alok Srivastava at Govt. Model Sr. Sec. School, Sec-40, Chandigarh.
  - v. **August 05, 2020:** Webinar on “Periodic Table: An overview of evolution over the years” delivered by Prof. Alok Srivastava.
  - vi. **August 13, 2020:** Webinar on “Periodicity and Diagonal Relationships in Periodic Table” delivered by Prof. P.V. Bharatam, NIPER Mohali.
  - vii. **Poster-Making Competition**
  - viii. **Essay-Writing Competition**
  - ix. **Declamation Competition**
6. **Mode of Conducting the Events:**
  - The events to celebrate the International Year of Periodic Table were announced in the month of November 2019. Four lectures were conducted, two each in schools and colleges in their premises. Two webinars were conducted through Zoom platform. Other events including essay-writing, poster-making and declamation contests were executed in online mode.
7. **Resource Persons:**
  - i. Prof. Alok Srivastava, Dept. of Chemistry, Panjab University
  - ii. Prof. Tejvir Singh, Professor Emeritus, Baddi University & Formerly at Dept. of Chemistry, Panjab University

- iii. Prof. P.V. Bharatam, Dept. of Medicinal Chemistry, N.I.P.E.R. Mohali
- iv. Prof. K.K. Bhasin, Emeritus Professor, Dept. of Chemistry, Panjab University

**Coordinated by Prof. Keya Dharamvir, General Secretary, SPSTI with technical support of Er. Anuj Goel and Mr. Mahi Paul Sharma**

- 8. Details of the target group & participants:** In all, more than five-hundred students of schools & colleges and 40 teachers participated in the events physically and many others through Online Webinars.
- 9. Outcomes of the event:** The interaction with professors of the Panjab University and N.I.P.E.R. Mohali was very motivating for the students. Teachers actively attended the lectures.

Moreover,

- Certificates of participation were presented to all the students and the teachers with periodic table printed on them with a motive to create a long lasting impression of the contribution of the inventor among the attendees.
- Periodic Table banners were distributed to the schools and colleges.

- 10. Photographs of the event:** Please see attached photographs of the lectures, posters in the Annexure 3.1.

- 11. Media coverage:** Please see the press cuttings attached as **Annexure 11.1**

- 12. UC attached:** Yes



## ANNEXURE 3.1

### A BRIEF REPORT ON THE EVENTS CONDUCTED

- 1. Lecture on Transuranic Elements of Periodic Table (January 24, 2020):** The lecture was organized at Goswami Ganesh Dutta Sanatan Dharma (G.G.D.S.D.) College, Sector-32, Chandigarh. The Speaker was Prof. Alok Srivastava, Department of Chemistry, Panjab University. Prof. Srivastava interacted with the undergraduates explaining many important facts of the Periodic Table, how & when's of the discovery of various elements, radioactive isotopes, stability of nucleus, actinides, superactinides, etc. Prof. P.V. Bharatam was the invited guest of honor. One-hundred-twenty students and fifteen faculty members attended the lecture. All the attendees were given certificates of participation (Annexure 3.1.1). Some photographs of the lecture follows:



## 2. Lecture on Periodicity as Function of Element Properties (January 25, 2020):

The lecture was organized at Government Model Senior Secondary School, Sector-23 (NYC), Chandigarh. The Speaker was Prof. Tejvir Singh, Professor Emeritus, Baddi University & Formerly at Dept. of Chemistry, Panjab University, Chandigarh. Sixty students of classes 9<sup>th</sup> & 10<sup>th</sup> and five faculty members attended the lecture. All the attendees were given certificates of participation (Annexure 3.1.1). Some photographs of the lecture follows:





**3. Lecture on Periodic Table & its importance in Chemistry (January 29, 2020):**

The lecture was organized at Post Graduate Government College for Girls, Sector-11, Chandigarh. The Speaker was Prof. K.K. Bhasin, CSIR Emeritus Scientist, Centre of Advanced Studies in Chemistry, Chandigarh. Prof. Bhasin started with brief discussion about IYPT followed by journey of discovery of elements (1650-2017) and discussion about eminent scientists and Nobel laureates who contributed to the development of Periodic Table. He touched very important and interesting corners of the Periodic Table while demonstrating eye-opening experiments on the spot. Prof. Bhasin also presented many daily life examples of importance of periodic table in understanding the properties of common elements. More than 80 students of B.Sc. (Hons.) & Post- Graduation with Faculty members attended this knowledgeable and motivating lecture by the scientists. All the attendees were given certificates of participation (Annexure 3.1.1). Some photographs of the lecture follows:



- 4. Lecture on Fascinating World of Periodic Table (February 19, 2020):** The lecture was organized at Government Model Senior Secondary School, Sector-40, Chandigarh. The lecture was delivered by Prof. Alok Srivastava, Department of Chemistry, Panjab University, Chandigarh. One-hundred-thirty students of classes 9th & 11th including faculty members attended the interesting lecture. Prof. Srivastava explained how Dimitri Mendeleev, a Russian Chemist, arranged elements in rows and columns according to their increasing atomic weights to construct this interesting table. Mendeleev's genius was in what he left out of his table. He recognized that certain elements were missing, yet to be discovered. So where Dalton, Newlands, and others had laid out what was known, Mendeleev left space for the unknown. Amazingly, he accurately predicted the properties of the missing elements. The lecture was attended by more than 80 students. All the attendees were given certificates of participation (Annexure 3.1.1). Some photographs of the lecture follows:





5. **Lecture on “Periodic Table: An Overview of evolution over the years” (August 06, 2020):** Due to coronavirus pandemic, the Society organized webinars for the students amid lockdown. The webinar was delivered by Prof. Alok Srivastava. Prof. Srivastava explained that the Russian Chemist Mendeleev is regarded as the originator of the Periodic Table idea which was introduced to the world nearly 150 years ago.

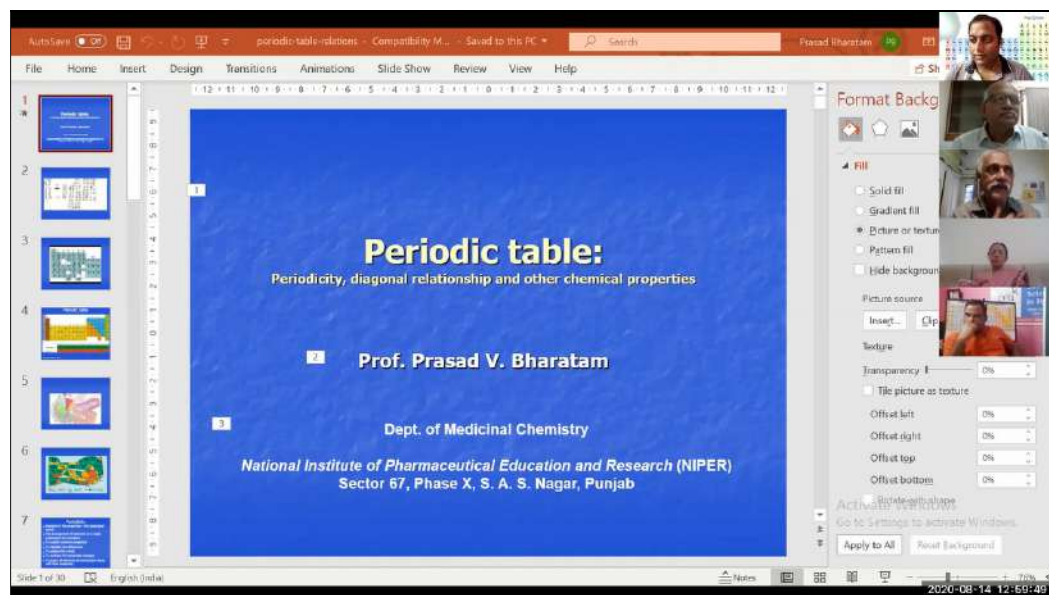
Over the years the Periodic Table has undergone a number of transformations not only to accommodate elements which were not known to mankind during the time of Mendeleev but also to accommodate new chemical concepts which were introduced in later years.

The presentation first delved upon historical events which culminated in the introduction of the periodic table concept. This was then followed by introduction to events which took place in subsequent years resulting in the creation of the present form of the Periodic Table.

More than 120 students attended this lecture. There was a healthy Question-Answer Session of 45 minutes after the lecture.

The image displays two screenshots from a Zoom webinar. The top screenshot shows a presentation slide titled "PERIODIC TABLE OF ELEMENTS" with a PubChem logo. It features a standard periodic table with element symbols, atomic numbers, and names. A vertical strip on the right shows four participants in a video call. The bottom screenshot shows a more detailed periodic table with various icons and a timestamp of 2020-08-06 11:18:14. It also includes a vertical strip of participant video feeds on the right side.

6. **Lecture on “Periodicity & Diagonal Relationship in Periodic Table” (August 13, 2020):** The webinar was delivered by Prof. P.V. Bharatam, Dept. of Medicinal Chemistry, N.I.P.E.R. Mohali.



7. **Poster-Making Competition:** Posters were invited on any topic concerned with Periodic Table. In all twenty-eight posters were received from schools and colleges. Top three posters were selected in each category for school and colleges. The winning posters are attached. The winners of the Poster Competitions in school and college categories are mentioned below: The Posters are attached with the report.

#### School Category

<b>First Position</b>	Rabhya Gupta	Class 10 <sup>th</sup>	K.B.D.A.V. School, Sec-7B, Chandigarh
<b>Second Position</b>	Gitali Pathania	Class 9 <sup>th</sup>	St. Anne's Convent School, Chandigarh
<b>Third Position</b>	Aakriti	Class 10 <sup>th</sup>	St. Anne's Convent School, Chandigarh

#### College Category

<b>First Position</b>	Tusheka	G.G.D.S.D. College, Sec-32, Chandigarh
<b>Second Position</b>	Kanika Thakur	M.C.M.D.A.V. College for Women, Sec-36, Chandigarh
<b>Third Position</b>	Sahil Kumar Sharma	G.G.D.S.D. College, Sec-32, Chandigarh



- 8. Essay-Writing Competition:** The essay writing competition was conducted through online mode. In all thirty-one essays were received from the student of schools and colleges. The topics for the essays were:

- i. Transuranic Elements of the Periodic Table
- ii. Historical Development of the Periodic Table
- iii. Man-Made Elements
- iv. Mendeleev's Contribution in the Understanding of Chemical Elements

**Winners in School Category**

<b>First Position</b>	Jatin Agarwal	Class 11 <sup>th</sup>	Govt. Model Sr. Sec. School, Sec-40B, Chandigarh
<b>Second Position</b>	Avantika Pandey	Class 9 <sup>th</sup>	St. Anne's Convent School, Chandigarh
<b>Third Position</b>	Nishtha Chhatwal	Class 10 <sup>th</sup>	Mount Carmel School, Chandigarh

**Winners in College Category**

<b>First Position</b>	Arshdeep Kaur Longia	M.C.M.D.A.V. College for Women, Sec-36, Chandigarh
<b>Second Position</b>	Tanya	M.C.M.D.A.V. College for Women, Sec-36, Chandigarh
<b>Third Position</b>	Yatika Khurana	M.C.M.D.A.V. College for Women, Sec-36, Chandigarh

- 9. Declamation Competition:** The topics for the video-making declamation contest were on anything related to the periodic table. Seven videos were received in this competition.

**Winners in School Category**

<b>First Position</b>	Rahima	Class 10 <sup>th</sup>	D.A.V. Model School, Sec-15, Chandigarh
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**Winners in College Category**

<b>First Position</b>	Sahil	G.G.D.S.D. College, Sec-32, Chandigarh
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**10. Closing Ceremony:** The series of events concluded on 30<sup>th</sup> September, 2020, with distribution of prizes to the winners of competitive events in which a large number of students from schools and colleges of Chandigarh had participated actively amid lockdown (due to COVID-19 pandemic). All the winners were awarded cash prizes and certificates at Paryavaran Bhawan by Shri Debendra Dalai, IFS, Director, Department of Science & Technology & Renewable Energy, Chandigarh Administration and Shri Dharam Vir, IAS (Retd.) & former Chief Secretary of Haryana. On this occasion, Prof. Ram Adhar of Banaras Hindu University and Er. M.L. Garg were present. The prize winning posters were displayed and were appreciated by all.







# INVITATION POSTER DISTRIBUTED IN SCHOOLS & COLLEGES

## Society for Promotion of Science & Technology in India (SPSTI)



in Association with



## Alexander von Humboldt Foundation (International)

Chandigarh Chapter

Celebrates



# INTERNATIONAL YEAR OF PERIODIC TABLE

# IYPT - 2019

The Periodic Table of chemical elements is one of the most significant achievements in Science capturing the essence of chemical properties resulting from atomic number and carrying enormous implications in Physics and Biology, besides Chemistry. 2019 has been designated as the International Year of the Periodic Table (IYPT) by UNESCO marking the 150th anniversary of Mendeleev's Periodic Table.

### Activities

- Expert Lectures
- Essay Competition
- Poster Display & Presentation
- Story Telling - Declamation
- Quiz Competition

Supported by:  
Department of Science & Technology  
Chandigarh Administration

No  
Participation  
Fees

The celebrations will be concluded at a common venue on National Science Day 2020 with poster display, declamation and distribution of prizes for all competitions.

\*Schools & Colleges are invited to organize lectures or to participate in the above mentioned activities


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visit us at

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Mob. +91-93161-21799, +91-94780-00088, +91-75205--80001




# CERTIFICATES DISTRIBUTED TO THE STUDENTS

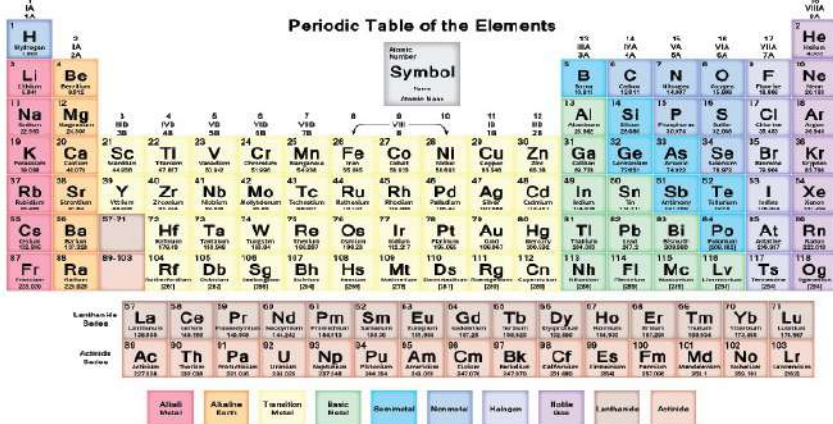


**Society for Promotion of Science & Technology in India**  
 & Alexander Von Humboldt Foundation (Chandigarh Chapter)

**Certificate of Participation**  
**International Year of Periodic Table - 2019**  
 Supported by Department of Science & Technology, Chandigarh Administration



This certificate is presented to.....for attending the Invited Lecture on **International Year of Periodic Table** delivered by.....organized on.....at.....



*Alok Srivastava*  
 Prof. Alok Srivastava  
 Dept. of Chemistry  
 Panjab University  
 Convener, IYPT-2019

*Keya Dhamvir*  
 Prof. Keya Dhamvir  
 General Secretary, SPSTI


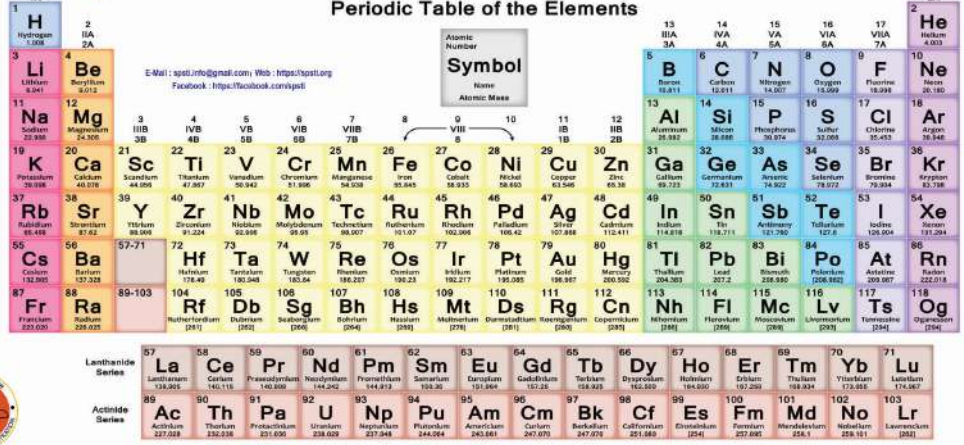

*Dharam Vir, IAS (Retd.)*  
 Dharam Vir, IAS (Retd.)  
 President, SPSTI

[www.spsti.org](http://www.spsti.org)

| E-mail: [info@spsti.org](mailto:info@spsti.org)

# PERIODIC TABLE BANNERS DISTRIBUTED TO THE SCHOOLS & COLLEGES

**INTERNATIONAL YEAR OF PERIODIC TABLE (IYPT-2019)**  
**Society for Promotion of Science & Technology in India (SPSTI)**  
 E-Mail : [info@spsti.org](mailto:info@spsti.org) | Web : <https://spsti.org> | Facebook : <https://facebook.com/spsti>

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 Department of Science & Technology,  
 Chandigarh Administration

Alexander von Humboldt  
 Stiftung / Foundation  
**CHANDIGARH CHAPTER**








**Society for Promotion of Science & Technology in India**  
*In Association with*  
**Alexander Von Humboldt Foundation (Chandigarh Chapter)**

*Celebrates*  
**International Year of Periodic Table (IYPT-2019)**


Expert Lectures | Essay Competition | Poster Display & Presentation | Story Telling- Declamation | Quiz Competition

Supported by  
**Department of Science & Technology, Chandigarh Administration**

Web: [www.spsti.org](http://www.spsti.org) | E-mail: [info@spsti.org](mailto:info@spsti.org) | Contact: +91-75205-60001, +91-75205-80001  
 Head Office: #229, Sector-4, MDC, Panchkula | Branch Office: SCO-76, First Floor, Sector-13, Kurukshetra

**Society for Promotion of Science  
& Technology in India**  
*In Association with*  
**Alexander Von Humboldt Foundation  
(Chandigarh Chapter)**

*Celebrates*  
  
**International Year of  
Periodic Table  
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Expert Lectures | Essay Competition  
 Poster Display & Presentation |  
 Story Telling - Declamation | Quiz Competition

Supported by  
**Department of Science & Technology,  
Chandigarh Administration**

Web: [www.spsti.org](http://www.spsti.org)  
 E-mail: [info@spsti.org](mailto:info@spsti.org)

Samples of  
Banners &  
Standees used  
during the events





कुरुक्षेत्र भास्कर 07-08-2020

# कुरुक्षेत्र भास्कर

पानीपत | कुरुक्षेत्र | 7 अगस्त, 2020

पिपली • पिहीवा • शाहबाद

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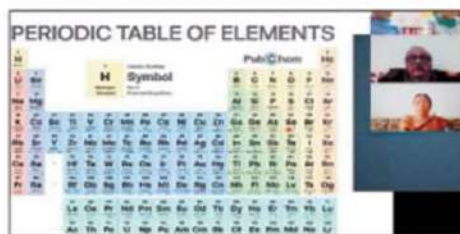
## पीरियोडिक टेबल के 150 साल पूरे होने पर हुआ वेबिनार

भास्कर न्यूज़ | कुरुक्षेत्र

सोसाइटी फॉर प्रमोशन ऑफ साइंस एंड टेक्नोलॉजी इन इंडिया के सौजन्य से इंटरनेशनल ईयर ऑफ पीरियोडिकल टेबल के उपलक्ष्य में ऑनलाइन वेबिनार का आयोजन किया गया। वेबिनार का मुख्य विषय पीरियोडिकल टेबल के विकास का अवलोकन रहा। वेबिनार में व्याख्यान के मुख्य वक्ता पंजाब विश्वविद्यालय के प्रो. आलोक श्रीवास्तव रहे। व्याख्यान की होस्ट सोसाइटी की महासचिव प्रो. केया धर्मवीर रहें। प्रो. धर्मवीर ने स्पीकर के बारे में विस्तार से बताते हुए कहा कि प्रो. श्रीवास्तव देश के जाने माने न्यूक्लियर केमिस्ट हैं और इंडियन एसोसिएशन ऑफ न्यूक्लियर केमिस्ट के वाइस प्रेजिडेंट भी हैं। वेबिनार में देशभर से 200 से अधिक स्कूल एवम कॉलेज के विद्यार्थियों

ने भाग लिया। प्रो. श्रीवास्तव ने रसायन विज्ञान के मूल विषय पीरियोडिकल टेबल के बारे में बताते हुए कहा कि सोना, चांदी, लोहा, टिन, मरकरी, कार्बन जैसे तत्वों के होने की पुष्टि 11 हजार साल पहले से होती है। रूसी वैज्ञानिक दिमित्री मेंडेलीव ने सन 1869 में मानव द्वारा पहचाने गए सभी तत्वों को एक सारणीबद्ध रूप में व्यवस्थित किया जिसे पीरियोडिकल टेबल कहा गया। प्रो. श्रीवास्तव ने पीरियोडिकल टेबल के 1869 के बाद से अब तक के बनने की प्रक्रिया के बारे में भी बताया। वेबिनार में विद्यार्थियों ने कार्बन, हाइड्रोजन, कृत्रिम तत्व, प्राकृतिक तत्व, रेडियो-एक्टिव तत्वों से संबंधित प्रश्न किए, जवाब में प्रो. श्रीवास्तव ने बड़ी सटीकता से दिया। वेबिनार के अंत में सोसाइटी के अध्यक्ष एवं हरियाणा के पूर्व मुख्य सचिव रहे।

## पीरियोडिक टेबल के उपलक्ष्य में ऑनलाइन वैबीनार का आयोजन



पीरियोडिक टेबल के 150 साल होने पर आयोजित  
वैबीनार में भाग लेते विद्वान।

(विनोद खुंगर)

कुरुक्षेत्र, 7 अगस्त (विनोद खुंगर): सोसाइटी फॉर प्रोमोशन ऑफ साइंस एंड टेक्नोलॉजी इन इंडिया के सौजन्य से इंटरनेशनल ईयर ऑफ पीरियोडिक टेबल के उपलक्ष्य में ऑनलाइन वैबीनार का आयोजन किया गया। इस वैबीनार का मुख्य विषय पीरियोडिक टेबल के विकास का अवलोकन रहा। वैबीनार में व्याख्यान के मुख्य वक्ता पंजाब विश्वविद्यालय के प्रो. आलोक श्रीवास्तव रहे।

व्याख्यान की होस्ट सोसाइटी की महासचिव प्रो. केया धर्मवीर रहें। वैबीनार में देशभर से 200 से अधिक स्कूल एवं कॉलेज के विद्यार्थियों ने भाग लिया। प्रो. श्रीवास्तव ने रसायन विज्ञान के मूल विषय पीरियोडिक टेबल के बारे में बताते हुए कहा कि सोना, चांदी, लोहा, टिन, मरकरी, कार्बन जैसे तत्वों के होने की पुष्टि 11 हजार साल पहले से होती है। रूसी वैज्ञानिक दीमित्री ने सन 1869 में मानव द्वारा पहचाने गए सभी तत्वों को एक सारणीबद्ध रूप में व्यवस्थित किया, जिसे पीरियोडिक टेबल कहा गया। प्रो. श्रीवास्तव ने पीरियोडिक टेबल के 1869 के बाद से अब तक के बनने की प्रक्रिया के बारे में भी बताया। सोसाइटी के मैनेजर अनुज गोयल तथा कोऑर्डिनेटर महीपाल शर्मा ने बताया कि एस.पी.एस.टी.आई. ऑनलाइन प्लेटफॉर्म के माध्यम से विद्यार्थियों तक अपनी शैक्षणिक गतिविधियों को पहुंचाएंगी और देश के प्रख्यात प्रोफेसर्स और वैज्ञानिकों के साथ विद्यार्थियों को जोड़ने का प्रयास करती रहेगी।

कुरुक्षेत्र से प्रकाशित पहला और एकमात्र सांघ्य दैनिक समाचार-पत्र

# दैनिक यशबाबू

भले कम पढ़े,  
पर अच्छा पढ़े

कुरुक्षेत्र, चंडीगढ़, जीरकपुर, राजपुरा, लाडवा, इन्द्री  
शाहवादा, पिहोवा, ईस्माईलाबाद, बाबैन में एक साथ प्रसारित

संपादक : राजिन्द्र कुमार वर्मा, वर्ष-21, पृष्ठ-4, अंक-267 कुरुक्षेत्र, बौरवार, 6 अगस्त 2020 मूल्य प्रति-2 रु.

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सहसंपादक : किरण वर्मा

## पीरियोडिक टेबल के 150 साल होने पर प्रो. आलोक श्रीवास्तव द्वारा वेबिनार

कुरुक्षेत्र, यशबाबू न्यूज।

सोसाइटी फॉर प्रोमोशन ऑफ साइंस एंड टेक्नोलॉजी इन इंडिया के सौजन्य से इंटरनेशनल ईयर ऑफ पीरियोडिक टेबल के उपलक्ष में ऑनलाइन वेबिनार का आयोजन किया गया। इस वेबिनार का मु य विषय पीरियोडिक टेबल के विकास का अवलोकन रहा। वेबिनार में व्या यान के मु य वक्ता पंजाब विश्वविद्यालय के प्रो. आलोक श्रीवास्तव रहे। व्या यान की होस्ट सोसाइटी की महासचिव प्रो. केया धर्मवीर रहीं। प्रो. धर्मवीर ने स्पीकर के बारे में विस्तार से बताते हुए कहा कि प्रो. श्रीवास्तव देश के जाने माने न्यूक्लियर केमिस्ट हैं और इंडियन एसोसिएशन ऑफ न्यूक्लियर केमिस्ट के वार्ड्स प्रेजिडेंट भी हैं। इस वेबिनार में देशभर से 200 से अधिक स्कूल एवम कॉलेज के विद्यार्थियों ने

भाग लिया। प्रो. श्रीवास्तव ने रसायन विज्ञान के मूल विषय पीरियोडिक टेबल के बारे में बताते हुए कहा कि सोना, चांदी, लोहा, टिन, मरकरी, कार्बन जैसे तत्वों के होने की पुष्टि 11 हजार साल पहले से होती है। रूसी वैज्ञानिक दीमित्री मेंडेलीव ने सन 1869 में मानव द्वारा पहचाने गए सभी तत्वों को एक सारणीबद्ध रूप में व्यवस्थित किया जिसे पीरियोडिक टेबल कहा गया। प्रो. श्रीवास्तव ने पीरियोडिक टेबल के 1869 के बाद से अब तक के बनने की प्रक्रिया के बारे में भी बताया वेबिनार में विद्यार्थियों ने कार्बन, हाइड्रोजन, कृत्रिम तत्व, प्राकृतिक तत्व, रेडियो-एक्टिव तत्वों से संबंधित प्रश्न किये, जिनका जवाब प्रो. श्रीवास्तव ने बड़ी सटीकता से दिया। यह वेबिनार एस.पी.एस.टी.आई. एवम हमबोल्ट फाउंडेशन के संयुक्त तत्वाधान में विज्ञान

एवं प्रौद्योगिकी विभाग चंडीगढ़ प्रशासन के सहयोग से किया गया। वेबिनार के अंत में सोसाइटी के अध्यक्ष एवं हरियाणा के पूर्व मु य सचिव रहे। धर्मवीर ने भी वेबिनार में विद्यार्थियों को मोटीवेट किया और प्रो. श्रीवास्तव का धन्यवाद किया। सोसाइटी के मैनेजर अनुज गोयल तथा कोऑर्डिनेटर महीपाल शर्मा ने बताया कि एस.पी.एस.टी.आई ऑनलाइन प्लेटफॉर्म के माध्यम से विद्यार्थियों तक अपनी शैक्षणिक गतिविधियों को पहुंचाएगी और देश के प्र यात प्रोफेसर्स और वैज्ञानिकों के साथ विद्यार्थियों को जोड़ने का प्रयास करती रहेगी।





# पीरियाडिक टेबल पर पोस्टर और निबंध प्रतियोगिता के विजेताओं को एस.पी.एस.टी.आई. ने किया पुरस्कृत



महिपाल शर्मा  
संवाददाता

## ग्रेटर हरियाणा

पंचकुला,  
सोसाइटी फॉर  
प्रमोशन ऑफ  
साइंस एंड  
टेक्नोलॉजी इन  
इंडिया एवम  
हुम्बोल्ट

फाउंडेशन की चंडीगढ़ शृंखला के संयुक्त तत्वाधान में विज्ञान एवम प्रौद्योगिकी संस्थान, चंडीगढ़ प्रशासन के सहयोग से वर्ष 2019 में आवर्त सारणी के 150 साल पुरे होने के उपलक्ष में पोस्टर, निबन्ध एवम लघु भाषण प्रतियोगिता का आयोजन किया गया था जिसमें चंडीगढ़ के स्कूल एवम कॉलेज के छात्रों ने कोविड-19 के चलते ऑनलाइन प्लेटफॉर्म के माध्यम से बड़ चढ़ कर भाग लिया।

व्याख्यान एवम प्रतियोगिताओं की इस शृंखला का संचालन हुम्बोल्ट फाउंडेशन के चेयरमैन एवम पंजाब विश्विद्यालय के रसायन विज्ञान के प्रो. अलोक श्रीवास्तव, प्रो.के.के. भसीन, प्रो. तेजवीर सिंह एवम एन.आई.पी.ई.

आर. मोहाली प्रो. पी.वी. भारतम के साथ एस.पी.एस.टी.आई. की महासचिव प्रो. केया धर्मवीर ने किया।

पोस्टर, निबंध एवम लघु भाषण प्रतियोगिता के विजेताओं में के.वी.डी. ए.वी. स्कूल की रभ्या गुप्ता, सेंट. ऐनी कान्वेंट स्कूल की गीताली पठानिया एवम आकृति, गवर्नमेंट मॉडल स्कूल सेक्टर-४०B के जतिन अग्रवाल, माउंट कारमेल स्कूल की निष्ठा छटवाल, अजित करम सिंह पब्लिक स्कूल की अवंतिका पाण्डेय, डी.ए.वी. मॉडल स्कूल सेक्टर-१५ की राहिमा, एम्.सी.

एम्.डी.ए.वी. कॉलेज के कनिका ठाकुर, अर्शदीप कौर, तान्या, एवम यतिका खुराना, जी.जी.डी.एस.डी. कॉलेज के तुशेका एवम साहिल शर्मा रहे।

सभी विजेताओं को पर्यावरण भवन में विज्ञान एवम प्रौद्योगिकी विभाग के डायरेक्टर श्री देवेन्द्र दलाई एवम रिटायर्ड आई.ए.एस. श्री धर्मवीर द्वारा पुरस्कृत किया गया। इस अवसर पर बनारस हिन्दू विश्विद्यालय के प्रो. राम आधार एवम इंजिनियर एम्.एल. गर्ग मौजूद रहे।

