

Christ Church College, Kanpur

Invitation



Christ Church College, Kanpur

Department of Chemistry
and

Department of Physics

150 Years of Celebration of Periodic Table

National Seminar

on

Application of elements of Periodic Table in
Natural sciences

November 14, 2019

To, _____

From :

Dr. R. K. Dwivedi

Convenor

Head

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Coordinator

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Christ Church College, Kanpur

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150TH INTERNATIONAL YEAR OF THE PERIODIC TABLE
NATIONAL SEMINAR ON APPLICATIONS OF ELEMENTS OF
PERIODIC TABLE IN NATURAL SCIENCES

NOVEMBER 14 & 15, 2019
ORGANISED BY
DEPARTMENT OF CHEMISTRY AND PHYSICS

TIME TABLE

14.11.2019

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|---------------------------|--------------------------------------------------------|
| Registration | 9.00 -10.00a.m |
| Inauguration | 10.00 -11.00 a.m |
| Tea Break | 11.00-11.20a.m |
| Lecture I | 11.20 -12.20pm |
| Prof.Preetam Singh | Dmitri Mendeleev: Father of the organised world |
| Discussion | 12.20-12.30 pm |
| Lecture 2 | 12.30-1.20pm |
| Prof. Asha Gupta | Role of Metal ion batteries |
| Discussion | 1.20-1.30pm |
| LUNCH BREAK | 1.30-2.20pm |
| Lecture 3 | 2.30-3.20pm |
| Dr.K.N.Pandey | Characterization of Nanocomposites |
| Discussion | 3.20-3.30pm |
| Lecture 4 | 3.30-4.20pm |
| Dr.PiyushJaiswal | Gallium :The Rediscovery |
| Discussion | 4.20-4.30pm |

15.11.2019

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|----------------------------------------------|------------------------------------------------|
| 10.00-11.00a.m | Address by the Registrar |
| Lecture 5 | 11.00-11.45 pm |
| Prof.H.C.Verma | |
| Discussion | 11.45-12.00pm |
| Periodic Fashion walk by the students | 12.00-12.30 pm |
| Lecture 6 | 12.30-1.20pm |
| Dr.T.C.Shammi | Role of Chemistry in Stealth Technology |
| Discussion | 1.20-1.30pm |
| LUNCH BREAK | 1.30-2.15pm |
| Lecture 6 | 2.30-3.20pm |
| Dr.Gurmeet Singh | Various forms of sulphur |
| Discussion | 3.20-3.30pm |
| Quiz by Dr.A.K.Nathaniel | 3.30-4.00pm |
| On periodic table for students | |
| Valedictory Address | 4.00-4.30pm |
| Tea | |





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150th INTERNATIONAL YEAR OF THE PERIODIC TABLE
**NATIONAL SEMINAR ON APPLICATIONS OF ELEMENTS OF
PERIODIC TABLE IN NATURAL SCIENCES**
(NOVEMBER 14 & 15 , 2019)

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PRESS NOTE

14.11.2019

Christ Church College , Kanpur is celebrating 150 years of Periodic Table , endorsed by UNESCO , by holding a **National Seminar on Applications of elements of periodic table in Natural Sciences** on **November 14 - 15 2019** . This seminar is being jointly organized by the Departments of Physics and Chemistry of the College . The aim of the seminar is to pay tribute to Dmitri Mendeleev , the founder of periodic table and to commemorate this momentous event of 1869 , through the medium of lectures.

The **Chief Guest** on the occasion was **Prof. Neelima Gupta , Hon'ble Vice Chancellor , CSJMU , Kanpur** . The Inaugural Session of the seminar commenced with a prayer and the lighting of the lamp by the assembled dignitaries. In his welcome Address , the **Principal Dr. Samuel Dayal** welcomed the Hon'ble Vice Chancellor , the keynote Speaker , the guest speakers as well as all the delegates of the seminar.

This was followed by the Introduction of the seminar topic by the **Convener of the seminar , Dr. R.K. Dwivedi , Head , Department of Physics , Christ Church college , Kanpur** . Dr. Dwivedi termed the formation of the Periodic table as the turning point of the sciences , particularly Chemistry. The periodic table is important because it is organized to provide a great deal of information about elements and how they relate to one another in one easy-to-use reference. The seminar will highlight its importance to the academicians and students for sustainable human development and providing solutions to global challenges .

Rev. Samuel P. Lal , Secretary , College Governing Body , said that the College is at the forefront in organizing such seminars and workshops . He congratulated the Departments of Physics and Chemistry for popularizing the 150th anniversary of the Periodic table , as endorsed by UNESCO .

Prof. Neelima Gupta , Hon'ble Vice Chancellor , CSJMU , Kanpur , noted that developments in one particular subject has applications across other disciplines. Such seminars help in demystifying concepts and discovering the gamut of applications , helping one acquire holistic , well rounded knowledge .

This was followed by the keynote Address by Prof. Pritam Singh, Department of Ceramic Engineering, IIT, BHU and also a Post Doctoral Fellow of Nobel Laureate, Prof. John B Goodenough, who recently got the Nobel prize for lithium ion batteries. In his address titled **Dmitri Mendeleev : Father of the organized world**, he traced how in 1869, Mendeleev began collecting and sorting known properties of elements. He noticed that there were groups of elements that exhibited similar properties, but there were plenty of exceptions to the emerging patterns. He also predicted that certain elements must exist which didn't at the time. There were plenty of skeptics and it took years to gain international acceptance, but once newly-discovered elements matched the ones that Mendeleev predicted, his patterns could not be dismissed.

In the Technical sessions the following papers were presented

Prof. Asha Gupta, presented a paper **Role of metal Ion batteries**

Dr. K.N. Pandey, presented a paper **Characterisation of nano composites**

Dr. Piyush Jaiswal presented a paper on **Gallium : the Rediscovery**

Tomorrow, apart from more Technical sessions

A skit, organized by the graduate and post graduate students of Chemistry and Physics, depicting the history of the periodic table in an innovative way was the highlight of the day. The Vote of thanks was proposed by Dr Meetkamal Coordinator of the seminar.