HINDI VIDYA PRACHAR SAMITI'S
RAMNIRANJAN JHUNJHUNWALA COLLEGE
DEPARTMENT OF CHEMISTRY

2018
CHEM BOND

WEDNESDAY, 12TH DECEMBER

Inaugural function at 9 am

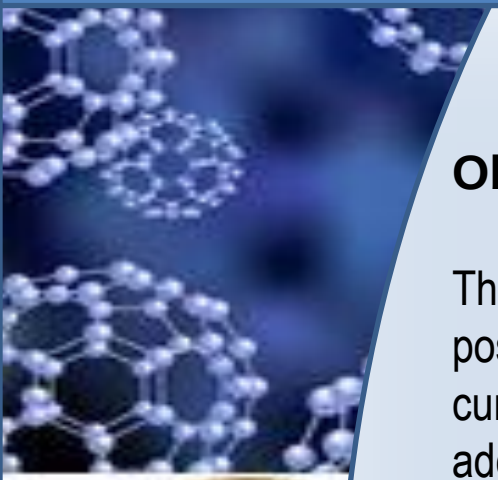
Chemistry Department of RJ College is organising an intercollegiate event comprising of following :

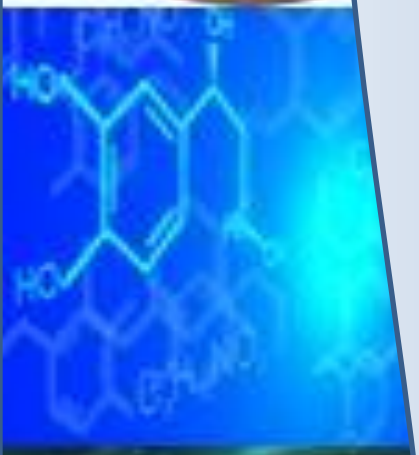
Poster display, &
Group presentation.

Eligibility : F.Y./ S.Y./T.Y. students

Registration fees: Nil

Certificates : To all participants.





DBT STAR COLLEGE SCHEME
CHEM-BOND 2018

Objective

The objective of scholastic activities in the form of poster and group presentation is to create an inherent curiosity in the young minds about the subject. In addition, it provides a platform for displaying their presentation abilities. Nobel Prizes recognize the hard work and outstanding effort of a scientist. The Chemistry Department of RJ College aims at bringing out these original ideas and breakthrough discoveries which contributed to growth of science and technology.

Poster Display

Theme: "Polymers in Day to Day life" (Natural or Synthetic polymers)

Rules:

- Poster can be presented individually or as a team of maximum 2 participants.
- Size of each poster should not exceed 21'' x 30''
- Participants are expected to present the poster to the judges.
- Poster, ready to display, should be submitted on 12th December 2018 by 8:30 am.

Group presentation

Theme: “Nobel award winning discovery”

Rules:

- A team of **three** students can present any one ***Nobel award winning discovery From the list enclosed.***
- The presentation can be done with the help of electronic media.
- The time duration for presentation is **7-8 minutes** followed by interaction (**2-3 minutes)**.
- The last date to register is 8th December 2018.
- **Reporting Time : 9 am on 12th Dec. 2018**
- **Registration should be done using following link :**

https://docs.google.com/forms/d/1ErEzAV3jKOjWi37GZz1woHEiRfXcrlylytMRRh-THR0/edit?usp=sharing

List of Nobel prize winning discoveries:

- Jacobus Henricus van 't Hoff (1901)-The laws of chemical dynamics and osmotic pressure in solutions.
- Svante August Arrhenius (1903) - Electrolytic theory of dissociation.
- Ernest Rutherford (1908) - The disintegration of the elements, and the chemistry of radioactive substances.
- Wilhelm Ostwald (1909) - Catalysis and the fundamental principles governing chemical equilibria and rates of reaction.
- Maria Skłodowska-Curie (1911) - Discovery of the elements radium and polonium.
- Victor Grignard (1912) - Grignard reagent.
- Alfred Werner (1913) - The linkage of atoms in molecules.
- Fritz Haber (1918) - Synthesis of ammonia.
- Karl Ziegler & Giulio Natta (1963) - The field of the chemistry and technology of high polymers (Ziegler Natta catalyst).
- William N. Lipscomb (1976) - The structure of boranes illuminating problems of chemical bonding.
- Herbert C. Brown (1979) - Development of the use of boron- and phosphorus-containing compounds, respectively, into important reagents in organic synthesis.
- Robert F. Curl Jr., Sir Harold W. Kroto & Richard E. Smalley (1996) – Fullerenes.
- Paul J. Crutzen, Mario J. Molina & F. Sherwood Rowland (1995) - Atmospheric chemistry, particularly concerning the formation and decomposition of ozone.
- Paul D. Boyer (1997) - Elucidation of the enzymatic mechanism underlying the synthesis.

Organizing committee

- **Prof. Pratibha T. Singh (HOD & Vice Principal) 09820656196**
- **Dr. Seema S. Ratnaparkhi (Vice principal)**
- **Dr. Charu R. Vatsa**
- **Dr. Asawari Y. Mokal**
- **Prof. Prabijna Babu (For any query – 09370860159)**
- **Dr. Amol A. Kadam (For any query- 09324963357)**

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