Departmental Activities along with College Organized Events and Contribution of Chemistry Hons. Students

1. <u>Ouiz Contest</u> (Organized by College Authority) and award-winning performance of Chemistry Hons. Students on 15.12.2022.



2. <u>Recitation Contest</u> (Organized by College Authority) and award winner of Chemistry Hons. Student: Anwesha Saha



3. Chemistry department arranged <u>Farewell to 6th Semester Students</u> & <u>Fresher's</u> <u>welcome</u> <u>for 1st Semester Chemistry Hons students</u> on 02.09.2023:







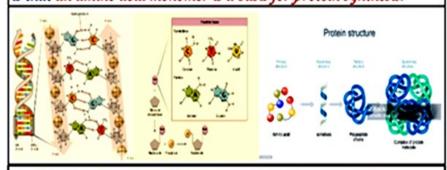


4. Science Day Celebration in the Chemistry Department & Inauguration of <u>Wall</u> Magazine "Chemica on 02.09.2024:



Chemica -2024 Chemistry Department Khalisani Mahavidyalaya

Proteins and amino acids have an integral relationship. The basic building blocks of proteins, amino acids form peptide bonds to create different types of proteins. The relationship between the two is that an amino acid monomer is a basis for protein synthesis.



- A phosphate deoxyribose polymer composes the backbone of the DNA
- Adjacent sugars are connected by phosphate linkage.
- Nitrogenous bases are covalently bonded to the 1' carbon of the deoxyribose.
 - Two DNA strands are anti parallel and held together by H bonds.

Contributed by: Agin State, Tombro Charle, Ady De, Sonto De, Edwar Agui, Date Dy, Trate Dy, Adda Pedy, East Diese and Spraip Ede, (dates)

5. On behalf of Science Day Chemistry Department organized Scientific Poster Presentations:





Laboratory flasks are used for explanation during the announcement of the winners of the 2023 Nobel Prize in chemistry at Royal Swedish Academy of Sciences in Stockholm on October 4, 2023.

Alexei I. Ekimov, Louis E. Brus, and Moungi G. Bawendi have been awarded the 2023 Nobel Prize for chemistry "for the discovery and synthesis of "quantum dots".



Antoine Lavoisier

Born: August 26, 1743 at Paris, France

Died: 8 May 1794

Discovered: Oxygen, Silicon

Parents: Emilie Punctis, Jean Antoine Lavoisier

Spouse: Marie Anne Paulze Lavoisier

Research Interests: Chimie, Industrie Des Poudres,

Agronomie, Economie

Father of Chemistry:

Autoine Lavoisier a meticulous experimenter, revolutionized chemistry. He established the law of conservation of mass, determined that combustion and respiration are caused by chemical reactions with what he named "oxygen," and helped systematize chemical nomenclature, among many other accomplishments.



Lavoisier's experiment on air, 1776

6. Industrial visit on 23.04.2024 to the R & D Unit of Quaker Houghton R & D Unit (Quaker Chemical India Pvt Ltd.) organized by the Chemistry Department, Khalisani Mahavidyalaya

Industrial visit to the **R & D Unit of Quaker Houghton R & D (Quaker Chemical India Pvt Ltd.)**, **Kolkata**, was organized by the Chemistry Department 23 04/2024 to aware our science students about the working atmosphere, safety precautions, human skill and real-world insights into the chemical manufacturing industry. This industrial visit encouraged students about the use of sophisticated instruments such as UV-Visible spectrophometer, FTIR, viscometer, auto titration technique, surface chemistry used for the corrosion resistance for the materials, modern viscometers, emulsion laboratories and specially biological divisions where scientists working enormously for the stabilization / sustainability of chemical within temperature range 50 °C – 55 °C. Students have also learned that how safety measures are usually taken while performing hazardous reactions in a chemical laboratory.







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7. Like previous year, **National Library Day (12**th **August)** is also celebrated in Central library and college authority arranged several awareness programs to encourage students. On behalf of this auspicious day, **5**th **Semester Chemistry Hon's student**, **Ranjima Ghatak** performed **bharatnatyam dance**:



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8. Constant encouragement and active role of departmental teachers along with our pass-out hon's students (year 2022 & 2023) initiative, helps the publication (13.08.2024) of the Chemistry Magazine "Correlation".



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