



Svante Arrhenius was a Swedish scientist. Arrhenius was one of the founders of the science of physical chemistry. He received the Nobel prize for chemistry in 1903, becoming the first Swedish Nobel laureate. In 1905, he became director of the Nobel institute, where he remained until his death. Arrhenius was the first to use basic principles of physical chemistry to estimate the extent to which increases in atmospheric carbon dioxide are responsible for the earth's increasing surface temperature. Arrhenius contribution to science are memorialized by the Arrhenius equation, Arrhenius acid, lunar crater Arrhenius, Martian crater Arrhenius, the mountain of arrheniusfjellet and the Arrhenius Labs at Stockholm University.

His work focused on the conductivities of electrolytes. In 1884, based on this work, he submitted a dissertation on electrolytic conductivity to Uppsala for the doctorate. Later, extension of this work would earn him the Nobel Prize in 1903 in Chemistry

CHEMISTRY STUDENTS

Arrhenius proposed that, even in the absence of an electric current, aqueous solutions of salt contained ions. He thus proposed that chemical reactions in solution were reactions between ions. In 1889 Arrhenius explained the fact that most reactions required added heat energy to proceed by formulating the concept of activation energy, an energy barrier that must be overcome before two molecules will react.

Svante Arrhenius Endowment was created in the academic year 2019 – 20 with the aim to promote research and development activities in the field of Chemistry which includes the Organic Chemistry, Organometallic Chemistry, Catalysis, Photochemistry and so on. Endowment amount of Rs.1,00,000 was deposited into the bank and sponsored by ug and pg students of Chemistry (2017-2020, 2018-2021, 2019-2022 & 2019-2021, 2020-2022). Every year eminent personality in the field of Chemistry will be invited to deliver the lecture to promote scientific information exchange among the students



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

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SECOND SVANTE ARRHENIUS ENDOWMENT LECTURE ON DIRAC MATERIALS

Organized by

DEPARTMENT OF CHEMISTRY

Date : 12.04.2023

Venue : Seminar Hall II

Time : 11.30 am - 01.00 p.m

