



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

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)  
Approved by Government of Tamil Nadu & Accredited by NAAC with A++  
Grade (3<sup>rd</sup> Cycle-3.64 CGPA)

Dr. N.G.P. - Kalapatti Road, Coimbatore – 641 048, Tamil Nadu, India Web :  
www.drngpasc.ac.in | Email : info@drngpasc.ac.in | Phone : +91-422-  
2369100



### 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



## CHIEF GUEST



**DR.V.SUBRAMANIAN**  
OUT STANDING SCIENTIST  
Head professor- AcSIR  
CSIR- Central leather research Institute  
Adyar ,Chennai - 600 020

- He completed his Ph.D. in University of Madras (1993)
- Supervising Ph.D.Students of AcSIR,University of Madras & Anna University .Handling M.Tech (Leather technology) classes for students of Anna University
- Delivered invited lectures and chaired technical session in many National / International conferences
- Frequent reviewer for various National / International journals of high repute
- Dr.V. Subramanian, Sr. Principal Scientist in Chemical Laboratory at CSIR-Central Leather Research Institute. He is a Honorary Faculty of Anna University. His field of Specialization includes electronic structure calculations using conventional Ab initio and Density Functional Theoretical (DFT) based methods, Design of novel functional materials. Associate Editor of the Journal of Translational Toxicology

## PRESIDENTIAL ADDRESS



**Dr. NALLA G. PALANISWAMI**  
Chairman  
KMCRET



**Dr. THAVAMANI D. PALANISWAMI**  
Secretary  
Dr. N. G. P. Arts and Science College

## Felicitation



**Dr. O.T. BUVANESWARAN**  
Chief Executive Officer  
Dr. N. G. P. Arts and Science College

## Welcome



**Dr. S. SARAVANAN**  
Principal i/c  
Dr. N. G. P. Arts and Science College

## HIGHLIGHTS

- Associate Editor of the Journal of Translational Toxicology.
- Life member, Chemical Research Society of India, 2001.
- Council member, Chemical Research Society of India, 2011-2014.
- Visiting Professor, Anna University, University of Madras, Central University, Pondicherry.