

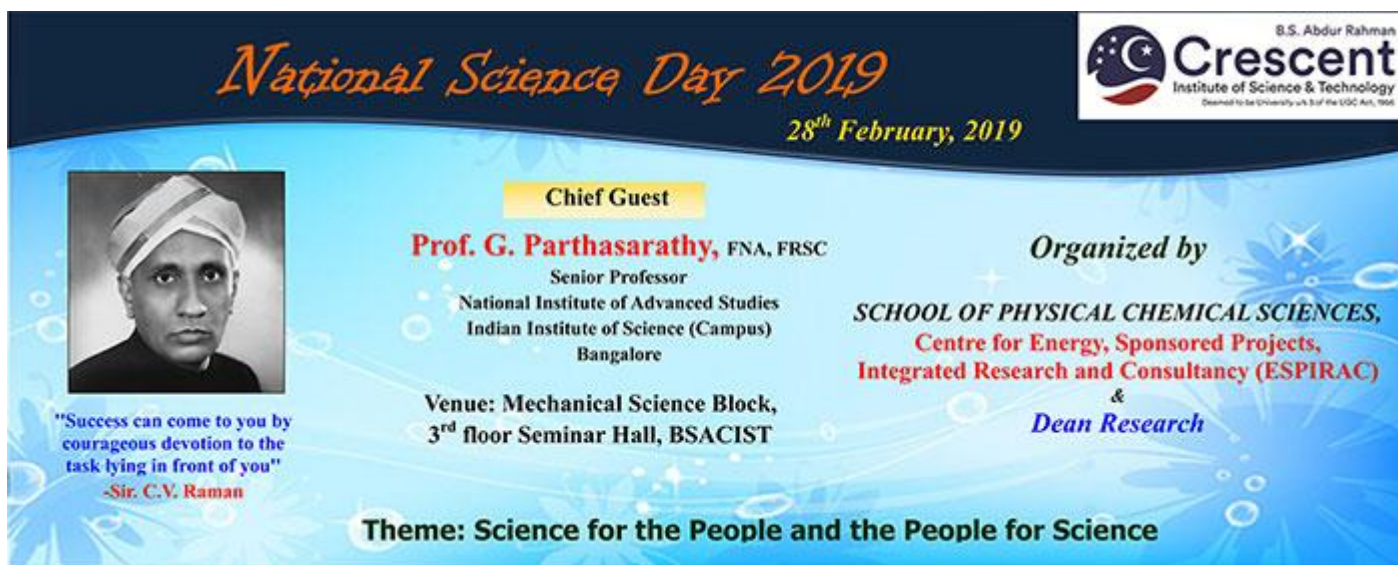
## Event Report

### National Science Day Lecture

Date: 28-02-2019

Venue: Mechanical Science Seminar Hall

B.S Abdur Rahman Crescent Institute of Science and Technology, Vandalur,  
Chennai.



*National Science Day 2019*  
28<sup>th</sup> February, 2019

**Chief Guest**  
**Prof. G. Parthasarathy**, FNA, FRSC  
Senior Professor  
National Institute of Advanced Studies  
Indian Institute of Science (Campus)  
Bangalore

**Organized by**  
**SCHOOL OF PHYSICAL CHEMICAL SCIENCES,**  
Centre for Energy, Sponsored Projects,  
Integrated Research and Consultancy (ESPIRAC)  
&  
Dean Research

Venue: Mechanical Science Block,  
3<sup>rd</sup> floor Seminar Hall, BSACIST

**Theme: Science for the People and the People for Science**

*"Success can come to you by courageous devotion to the task lying in front of you"*  
-Sir. C.V. Raman

B.S. Abdur Rahman  
**Crescent**  
Institute of Science & Technology  
Deemed to be University, U.S. of the UGC Act, 1956

Nano-Minerals for Sustainable Development 28-2-2019 BS Abdur Rahman Crescent University. The national science day lecture was organised by **Director, ESPIRAC**. In this talk the importance of nano minerals of carbon-based, silicate-based, and oxide-based minerals for energy, environment and sustainable development are discussed, with significant interdisciplinary approach, with the evident fundamental and applied relevance and economic dimension. Applied Mineral Chemistry, a growing transdisciplinary research field that, encompasses such diverse disciplines as the prospection, extraction and refinery of ores, the manufacturing of materials, and the impact of minerals on the environment and on human health. In this talk he focused mainly on four aspects. They are (1) mineral chemistry of carbon-based nano minerals and their application in Medical Industry, (2) Mineral Chemistry of select phyllosilicates and their application in environmental and pharmaceutical Industries; (3) Role of titanium oxides in Energy production and Planetary sciences. (4) Mineral chemistry of select hydrous sulfates and their applications in Planetary science, arsenic based-environmental science, and in sustainable development.

In his final remarks, he suggested the faculty to initiate projects related to a) Extraction of Clay minerals from Ariyalur, b) Use of Zeolite for water filters and c) Extraction of Chromium from Variampadi, TN.



From Left: Prof .T.Harinarayana, Director (ESPIRAC), Dr.G.Parathasarathy (Chief Guest), Dr.Kutti Rani, Dean, School of Physical and Chemical Sciences, Dr. M.Basheer Ahamed, HOD



**Dr.Raja Mohammed (Dean ,Research) addressing the gathering**  
**Programme Schedule**

11.15 AM	<b>Quirath</b> by Miss. Aisha, Research Scholar, Department of Chemistry <b>Tamilthai Vazhthu</b> <b>Welcome Address</b> by Dr. S. Kutti Rani, Dean, SPCS <b>Chief Guest Introduction</b> by Dr. T. Harinarayana, Director, (CERS) <b>Honour the Chief Guest with shawl</b> by Dr. Raja Mohamed, Dean Research
11.30 -12.30 PM	Lecture by the Chief Guest followed by Q&A
12:30-12:40 PM	<b>Vote of Thanks</b> by Dr. M. Basheer Ahamed, HOD Physics