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Dr. G. Viswanathan Chancellor

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REGISTRATION DETAILS

No Registration Fee

Mode of Registration through Google form with the following link

<https://forms.gle/7Jo3YdyW3E6WerhA8>

Last Date for Registration 07/09/2023

RESOURCE PERSONS



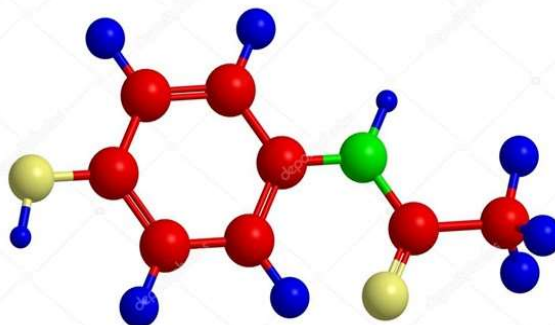
Dr. E. Suresh
Assistant Professor
Department of
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SRM Institute of Science
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Dr. Sourav Mondal
Post Doctoral Fellow
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Republic of Korea.



VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)



One Day

International Workshop

on

EXPLORING MOLECULES

VIA

GRAPH THEORY

in

Virtual Mode

8th, September 2023

VIT - A place to learn; A chance to grow

VIT – NAAC Accreditation with highest grade in the last 3 consecutive cycles, the 9th best University, the 10th best research institution and the 12th best engineering institution in India (NIRF Ranking, Govt. of India), World rank 601 - 700 (Shanghai Ranking)

Organized by
Department of Mathematics
School of Advanced Sciences
VIT, Vellore – 632014
Tamil Nadu, India.

CHAIRMAN

Dr. N. Arunai Nambi Raj

Dean, School of Advanced Sciences.

CONVENER

Dr. M S JAGADEESH KUMAR

Head, Department of Mathematics.

Organizing Secretaries

Dr. M. Yamuna,

Dr. K. Karthika

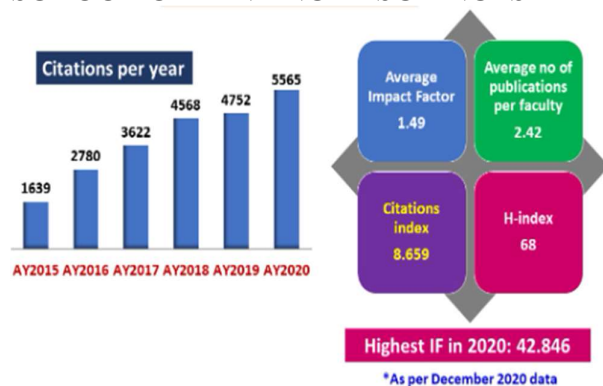
ABOUT VIT

Vellore Institute of Technology was found in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. From this humble beginning, the institution has grown exponentially to that of having more than 36,000 students. Students from all the states of India and from more than 60 countries are studying at VIT. University status was conferred in 2001 by MHRD, Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives. Currently, VIT has 5 campuses in Vellore, Chennai, Amravati, Bhopal and Bangalore. NIRF of the MHRD, Government of India, has ranked VIT 8th Best in University, 11th best in Research, 11th best in Engineering, 17th best in Overall category in 2023. VIT has gone for accreditation by NAAC [India], IET [UK], and ABET [USA] and follows world class academic processes. VIT is the first and only university in India to get 4 star rating from QS, the world universities ranking. VIT has also been ranked in the top 251 – 300



in Times Higher Education, World University Ranking (Emerging Economies) in 2021 and in the top 198 in QS Asia ranking.

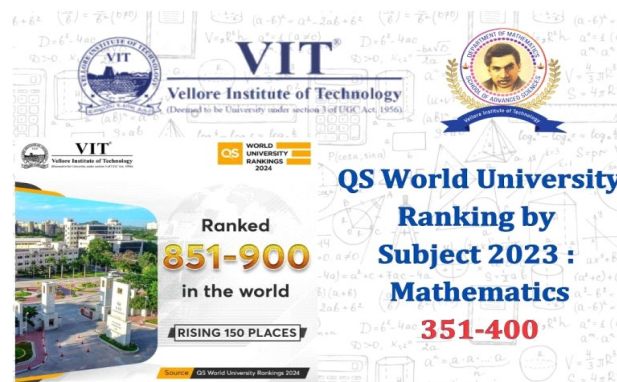
SCHOOL OF ADVANCED SCIENCES



School of Advanced Sciences (SAS), which was established in the year 1984, comprises of Mathematics, Physics, and Chemistry departments. The school consists of a total of 273 experienced and energetic faculties. The school has been receiving research grants from various funding agencies such as DST, CSIR, DRDO, NBHM, BRNS, IGCAR, AERBA, NRB and ARDB. The school has also been recognized by DST for support under the

FIST programme. The school conducts various programmes such as InoVIT, SciGATHER, and National Science Day.

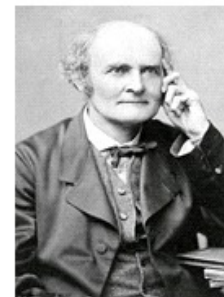
DEPARTMENT OF MATHEMATICS



The Department of Mathematics, comprises of 133 faculty members dedicated to fulfilling the needs of all the engineering departments. The faculty members of the department are specialized in frontier areas of mathematics such as Operations Research, Queuing Theory, Fuzzy Mathematics, Algebra, Analysis, Complex Analysis, Differential Equations, Fluid Dynamics, Graph Theory, Inventory Systems, Coding Theory, Mathematical Modeling, Numerical Methods, Mathematical Biology and others. Several research projects of the department are financially supported by some of the leading funding agencies such as CSIR, DRDO, DST and NBHM. The department is also serving the requirements of the leading industries through consultancy projects. The department of mathematics has a good record of frequently organizing seminars, workshops, symposiums and conferences in the recent emerging technical areas. VIT Mathematical Meet is conducted every year by the department, which is a south Indian level math and science contest for school children, to create and encourage mathematical and scientific innovations among the students.

CHEMICAL GRAPH THEORY

Arthur Cayley was probably the first to publish results that consider molecular graphs as early as in 1874, even before the introduction of the term graph. For the purpose of enumeration of isomers, Cayley considered diagrams made of points labelled by atoms and connected by links into an assemblage. Danail Bonchev in his chemical graph theory traces the origins of representation of chemical forces by diagrams, which may be called chemical graphs to as early as the mid-18th century. In 1789, in a book by William Higgins similar diagrams were used to represent forces within molecules. From then, chemical graph theory has developed as a strong field, where chemistry meets mathematics.



Arthur Cayley

This workshop targets to provide some insights into the recent developments in chemical graph theory, which we hope will open new doors for research.

CONTACT DETAILS

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