

THE AGENDA

Newsletter.....



FROM THE DEPARTMENTS OF SCIENCE AND HUMANITIES

(APPLIED CHEMISTRY, APPLIED MATHEMATICS, APPLIED PHYSICS & HUMANITIES AND SOCIAL SCIENCES)

SRI VENKATESWARA COLLEGE OF ENGINEERING
SRIPERUMBUDUR - 602117 TAMILNADU, INDIA



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VOLUME 02; ISSUE 8 JULY 2023 MONTHLY UPDATED

VISIT TO DELFT UNIVERSITY OF TECHNOLOGY, DELFT, THE NETHERLANDS. DATE: 20/07/2023

Dr G Baskar visited the following facilities in the Corrosion Technology & Electrochemistry division accompanied by Dr R A Prasaanth (Alumnus- CH 2010-14) and Dr G Prasad, Post doctoral Researchers.

- SECM Scanning electrochemical microscope
- SEM- Scanning Electron Microscope
- TEM- Transmission Electron Microscope
- ALD-Atomic Layer Deposition Technique
- STM-Scanning Tunneling Microscope
- Spin coater.



WITH DR R A PRASAANTH AND TEAM.



MAIN APPLICATION:
COATING A THIN
LAYER OF
NANOMATERIALS,
MORPHOLOGICAL
INVESTIGATIONS.

ATOMIC LAYER DEPOSITION TECHNIQUE

VISIT TO UNIVERSITY OF TWENTE, ENSCHEDE, THE NETHERLANDS. DATE: 27/07/2023

Dr G Baskar had a meeting with Dr W Corbo Ugulino, Business and IT- Program Director.

Presented the profile of our Department of Information Technology, on behalf of HOD-IT, SVCE and discussed the possibility of research collaboration, student exchange (semester abroad program), internship and guest lectures.

Dr W Corbo shared his experience in Universities of Brazil, Italy and his present university, Twente.



WITH DR CORBO UGULINO

RESEARCH ARTICLE PUBLISHED

Published an research article authored by Dr.Anandhavelu Sanmugam and Dr. Ananda Babu Sairam, along with our Chemical engineering student S. Abbishek, as well as a collaboration with Dr.Dhanasekaran Vikraman, Division of Electronics and Electrical Engineering, Dongguk University-Seoul, 04620, South Korea.

Title: Synthesis of chitosan based reduced graphene oxide-CeO₂ nanocomposites for drug delivery and antibacterial application

Journal: Journal of the Mechanical Behaviour of Biomedical Materials (Elsevier)

Impact Factor: 3.9.

DOI: <https://doi.org/10.1016/j.jmbbm.2023.106033>.

Journal of the Mechanical Behavior of Biomedical Materials xxx (xxxx) 106033



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Synthesis of chitosan based reduced graphene oxide-CeO₂ nanocomposites for drug delivery and antibacterial application

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^e Department of Chemistry, College of Science, King Saud University, Riyadh, 11451, Saudi Arabia

^f Division of Electronics and Electrical Engineering, Dongguk University-Seoul, 04620, South Korea

PAPER PRESENTED AT THE CONFERENCE

Dr. S. Anandhavelu presented his research work as an Oral presentation titled "Synthesis of Chitin/Chitosan-Based $MnCO_3$ Nanocomposite High Performance Electrode Material for Supercapacitor Application" in the International Conference on Energy Conversion and Storage OC-ECS-2020, held on June 21, 2025, at the Department of Sciences, Amrita School of Physical Sciences, Amrita Vila Vidyapeetham, Coimbatore.



FDP ATTENDED

Dr. Stanly S Professor & Head, Department of Applied Chemistry, attended a five days Online FDP "AICTE Incorporating Universal Human Values in Education" (An AICTE Initiative) from 03/07/2023 to 07/07/2023.

STUDENTS MENTORING & BEST PAPER AWARD

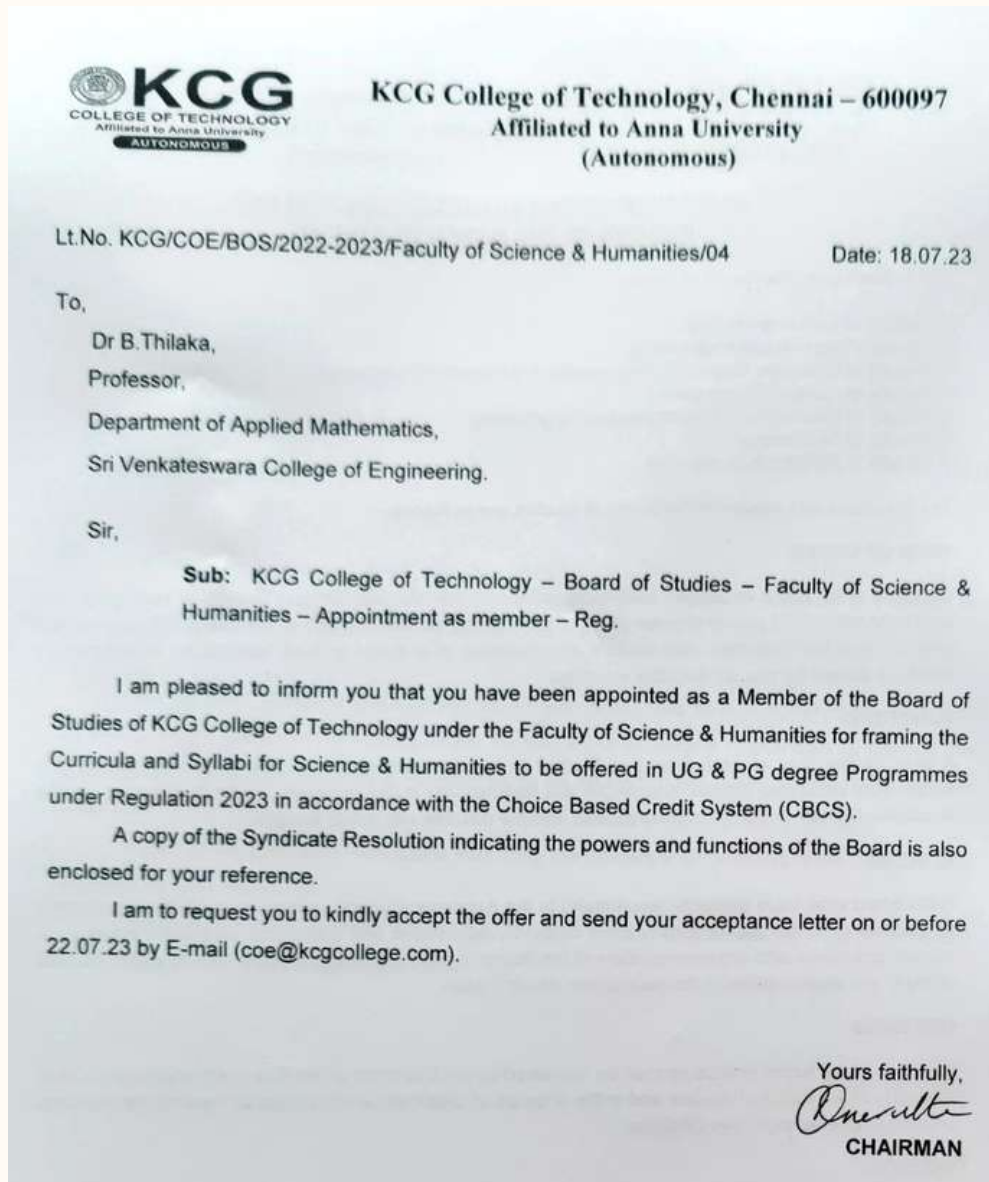
Mr. M. Mahadevan, Mr. SH Mohanramm and Mr. M.Jaihariharan Ganesh of IV year B.Tech., Chemical Engineering have won the BEST PAPER AWARD in the Second Annual Corrosion Awareness Day Symposium (CORPOSIUM 2023) organised by Sathyabama Institute of Science and Technology in association with Indian Institute of Metals, Kalpakkam chapter, Chennai during the 5-6 th July 2023.

This project has been jointly mentored by Dr. T. Balusamy, AP/ACH,
Dr. G. Devasagayam, Prof./ACH and Ms. A. C. Vijayalakshmi, AP/CHE.



BOARD OF STUDIES MEMBER

Dr.B.Thilaka,_Professor, has been appointed as Member of the Board of Studies of KCG College of Technology under the Faculty of Science & Humanities under Regulation 2023.



RESOURCE PERSON

Dr.B.Thilaka,_Professor, served as Resource Person for the Summer Training Program in Mathematics jointly organized by the Department of Mathematics, Anna University and The Academy of Sciences, Chennai on 18/7/2023.

PAPERS PUBLISHED

Dr. R. Muthucumarasamy, Ms. V. Gayathri, et al. published a paper in the SCI journal, Polycyclic Aromatic Compounds. The title of the research paper is On Counting Polynomials of Supercoronenes and Triangle-Shaped Discotic Graphene, with the DOI: 10.1080/10406638.2023.2232575.

20 Views
0 CrossRef citations to date
0 Altmetric

Research Article

On Counting Polynomials of Supercoronenes and Triangle-Shaped Discotic Graphene

S. Prabhu , M. Arulperumjothi, Juan Luis García Guirao, R. Muthucumaraswamy, V. Gayathri & M. R. Farahani
Received 08 Mar 2023, Accepted 09 Jun 2023, Published online: 17 Jul 2023

[Download citation](#) <https://doi.org/10.1080/10406638.2023.2232575> [Check for updates](#)

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Abstract

Polynomials with an exponential equivalent to the extent of a characteristic partition and coefficients exceptional to the multiple resources of the corresponding partition are

Related research

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Dr.J.Vijayarangam, et al. published a paper titled "Simulated Analysis of a two server queuing system" in AIP Conference Proceedings 2699, 020033 (2023) with DOI:10.1063/5.0139343.

AIP Publishing **AIP Conference Proceedings**

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Volume 2699, Issue 1
2 June 2023

RESEARCH ARTICLE | JUNE 02 2023

Simulated analysis of a two server queuing system

D. Priadarshani, S. Narasimhan , J. Vijayarangam, Kanimozhi Raman

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Author & Article Information
AIP Conference Proceedings 2699, 020033 (2023)
<https://doi.org/10.1063/5.0139343>

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Queuing system modeling is one of the most important and fertile subjects in modeling domain in general and Mathematics in particular. There is a huge literature available for theoretical models but the actual difficulty is in implementation as we most often come across huge differences between what we have derived theoretically and what we witness in the actual system. This paper is an evaluation towards bridging the gap between theoretical results to this process, consider the AIP

FDP ATTENDED

Dr.M.Radhakrishnan
Dr.V.Valliammal and
Ms.V.Gayathri, Assistant
 Professor,

completed a one-Week
 International FDP on
 "Mathematics in Real,
 Applied, and
 Computational Domains,"
 organised by the
 Department of
 Mathematics, School of
 Science and Humanities,
 Sathyabama Institute of
 Science and Technology,
 Chennai, from 3/7/2023 to
 8/7/2023.



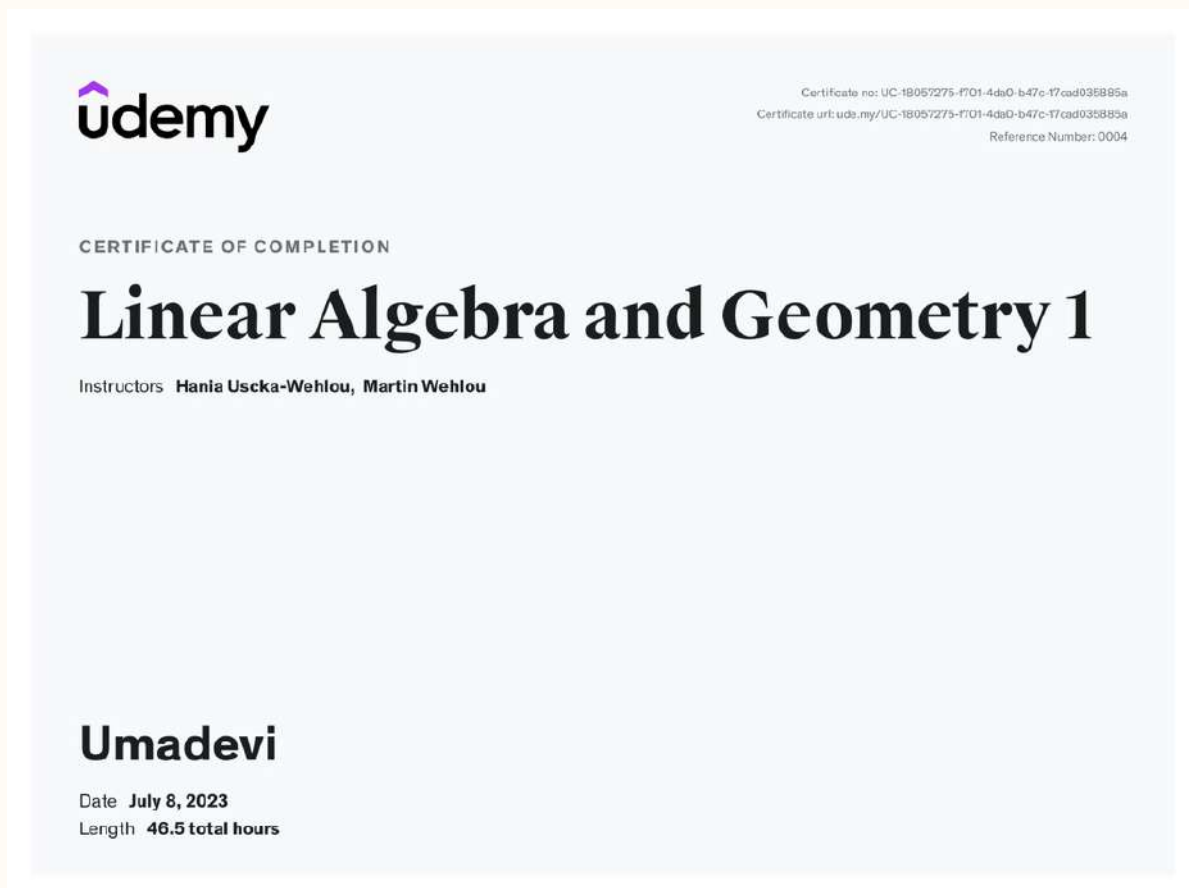
FDP ATTENDED

Dr. B. Saravanan, Assistant Professor, completed the 14-Day National Level Online FDP on "Innovative Teaching Strategies and Tools in the Digital Age, organised by Scroll Well in collaboration with the Ministry of Education's Institution Innovation Council, Gulzar Group of Institutes, Ludhiana (Punjab) from 3/7/2023 to 16/7/2023



FDP ATTENDED

Dr. R. Umadevi, Assistant Professor, completed a course on "Linear Algebra and Geometry-1" certified by Udemy on 8.7.23. Course Duration: 46.5 Hours



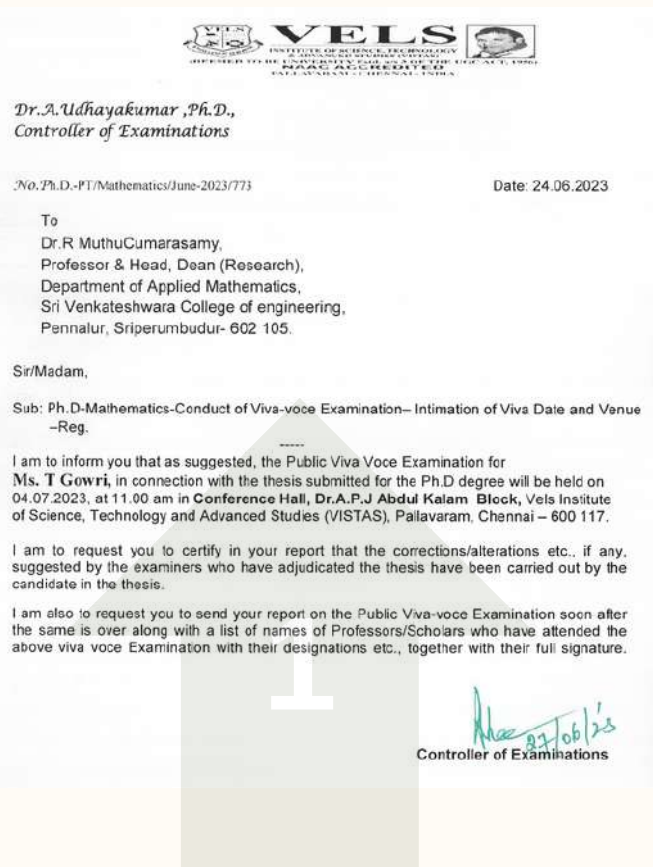
ARTICLE REVIEWED

Dr.R.Muthucumaraswamy, Professor and Head, reviewed an article titled ;Numerical Solution and Sensor Impact Investigation of an Electromagnetic Hybrid Nanofluid Flow Over a Permeable Medium, Physics of Fluid, AIP Publishing, USA.

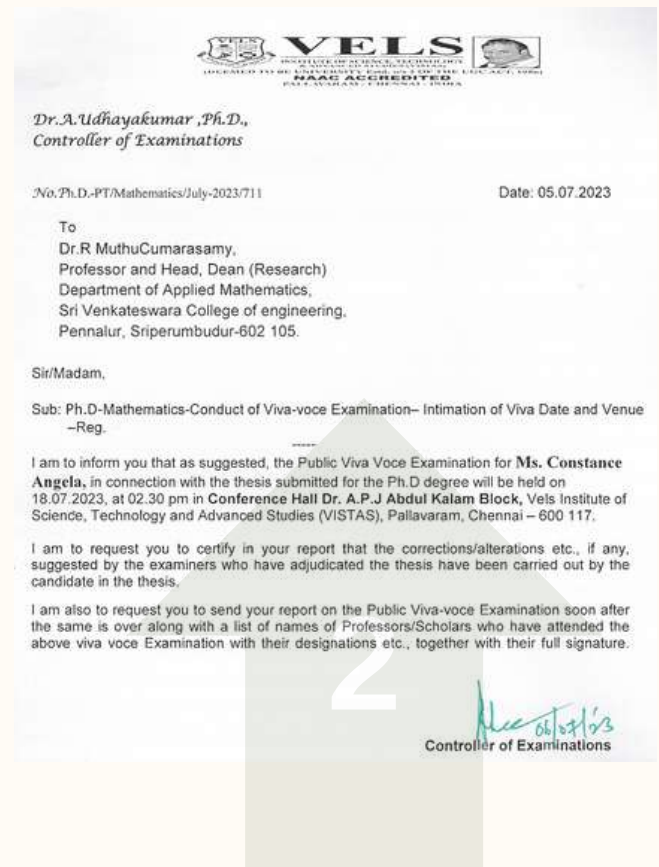
DR. R. MUTHUCUMARASWAMY, PROFESSOR AND HEAD, HAS BEEN AN EXTERNAL EXPERT

For Viva-voce. Examination for two candidates of the Vels Institute of Science, Technology, and Advanced Studies (VISTAS), Chennai:

1. Ms. T. Gowri, 4/7/23
2. Ms. Constance Angela, 18/7/23



Ms. T. Gowri, 4/7/23



Ms. Constance Angela, 18/7/23

For more details on the Department of Applied Mathematics
, email hodam@svce.ac.in.

WORKSHOP ATTENDED

Ms. G. Bharathy, AP, Dept. Of Applied Physics, Participated and successfully completed 14 days. FDP at the National Level on "INNOVATIVE TEACHING" Strategies and Tools IN THE Digital Age, from July 3-16, 2023, conducted by Scroll well In Collaboration with the Ministry of Education's Institution Innovation Council (IIC), GGI Ludhiana).



WORKSHOP ATTENDED

Dr. S. Sampath Krishnan, Prof., and Ms. G. Bharathy, AP, Dept. Of Applied Physics, participated in a national-level Guest Lecture on Nanomaterials for Energy Harvesting and Storage on July 25, 2023 Jointly organised by the Department of Physics, Koneru Lakshmaiah Education Foundation (Deemed to be University), Guntur, Andhra Pradesh, and the Materials Research Society of India (MRSI), India



WORKSHOP ATTENDED

Dr. N. R. Sheela, Head Applied Physics Department, Attended Six Day FDP from 12th June to 17th June 2023 on "Chemical Process Safety and Professional Ethics"



Dr. T. Senthilnathan, AP, Dept. Of Applied Physics, participated in a webinar entitled "Hybrid vehicle technology" conducted by Imerial Society of Innovative Engineers (ISIE) India, Noida, 201301



For more details on the Department of Applied Physics, email hodap@svce.ac.in.

DR.MURUGAVEL.T WAS INVITED AS THE CHIEF GUEST

For the Inaugural Function of the " Microhabitat Butterfly Garden" organized by Saint-Gobain at Sriperumbudur in July 2023.



Butterfly Garden at Saint Gobain, Sriperumbudur.



A team of staff from Saint Gobain, Sriperumbudur. Visited SVCE to study the 'microhabitat - butterfly garden' and based on the inputs given by the College they replicated it on their Campus. The inaugural was on this year's Environment Day and the College representatives were part of the program Dr T Murugavel was invited for the inaugural function.

WORKSHOP ATTENDED

Mr.Shrihari.S. and Mr.Bharathikumar.S. attended a two-day Online Workshop on "Deconstructive Reading Practice" on the 11th and 12th of July 2023, organised by SRM Institute of Science and Technology, Ramapuram



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FROM THE DEPARTMENTS OF SCIENCE AND HUMANITIES
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& HUMANITIES AND SOCIAL SCIENCES)

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