

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



Contents

APPLIED CHEMISTRY - 1

APPLIED MATHEMATICS -3

APPLIED PHYSICS - 6

HUMANITIES AND SOCIAL SCIENCES - 8

VOLUME 02; ISSUE 4 APRIL 2024 MONTHLY UPDATED

FDP ATTENDED:

APPLIED CHEMISTRY

We are pleased to announce that Dr. S. Stanly and Dr. M. Thirumalaikumar recently participated in a highly insightful and informative two-day workshop on "Power BI and Tableau: Harnessing AI for Advanced Data Analysis." This event took place from April 29th to April 30th, 2024, and was organized by the Department of Information Technology in association with SVCE-IQAC.



364 UNITS OF BLOOD WERE COLLECTED

We are pleased to commend Dr. T. Balusamy for his exceptional efforts in organizing a voluntary blood donation camp at SVCE on March 7, 2024.



REVIEWER SPOTLIGHT:

We are pleased to highlight the valuable contributions of Dr. S. Anandhavelu, who recently reviewed an article for the prestigious Starch Journal, published by Wiley. Dr. Anandhavelu's expertise and meticulous attention to detail have significantly enhanced the quality and integrity of the peer review process.



10 YEARS SERVICE AWARD

Dr.S. Ananda Babu, Assistant Professor, received Long Service Award for having completed 10 years of service at SVCE during the College Day held on 5/4/2024.



TRAINING ATTENDED:

Dr. G. Baskar, Associate Professor, has successfully completed the "Innovation Ambassador (IA) Training" at the Foundation Level. This comprehensive training program consisted of 16 sessions, totaling 30 contact hours, and was conducted online by the MoE's Innovation Cell and the AICTE during the IIC calendar year 2023-24.



Dr. S. Ananda Babu has successfully completed the Innovation Ambassador (IA) training at the 'Advanced Level.' This comprehensive program, consisting of 16 sessions totaling 30 contact hours, was conducted online by the MoE's Innovation Cell and the AICTE during the IIC calendar year 2023-24.

LONG SERVICE AWARD

Dr.D.Meiyappan, Assistant Professor, received Long Service Award for having completed 25 years of service at SVCE during the College Day held on 5/4/2024.

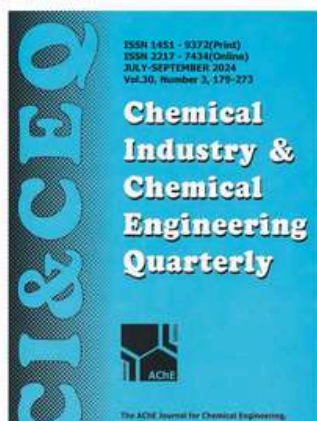


PAPER PUBLISHED:

Dr. R. Muthucumaraswamy, published his 300th Research Article titled "Impact of Chemical Reaction, Viscous Dissipation and Thermal Radiation on MHD Flow past an Oscillating Plate, Chemical Industry Chemical Engineering Quarterly, 30 (3), 223-230. <https://doi.org/10.2298/CICEQ230526025R>.

IMPACT OF CHEMICAL REACTION, VISCOUS DISSIPATION, AND THERMAL RADIATION ON MHD FLOW PAST AN OSCILLATING PLATE

Original scientific paper



Rengasamy Rajaraman

Department of Mathematics, R.M.K. Engineering College, Kavaraipettai, India

 <https://orcid.org/0000-0003-2308-6233>

Rajamanickam Muthucumaraswamy

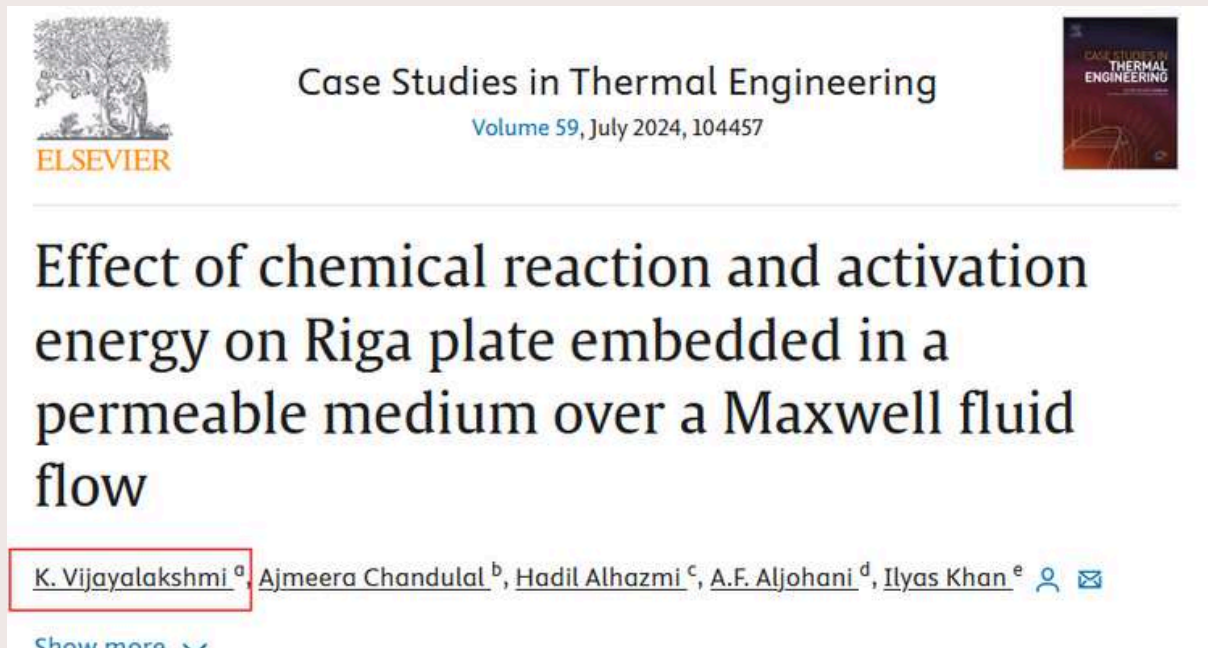
Department of Mathematics, Sri Venkateswara College of Engineering, Sriperumbudur, India

 <https://orcid.org/0000-0003-0955-8492>

Abstract

This study analyzes the consequences of first-order chemical reactions, radiation, and viscous dissipation on the unsteady magnetohydrodynamic natural convective flow of a viscous incompressible fluid over a vertically positioned semi-infinite oscillating plate with uniform mass diffusion and temperature

K. Vijayalakshmi, A. Chandulal, H. Alhazmi, A.F. Aljohani, I. Khan, published a paper titled "Effect of Chemical Reaction and Activation Energy on Riga plate embedded in a permeable medium over a Maxwell fluid flow", in an Elsevier Journal-Case Studies in Thermal Engineering, Impact Factor:6.8, <https://doi.org/10.1016/j.csite.2024.104457>.



PROJECT/ INNOVATIVE IDEAS PRESENTED IN STUDENT'S RESEARCH DAY, 2024

Dr. J. Vijayarangam, Assistant Professor, guided five II-year ADS students in presenting two research projects at the Student Research Day (SVCE Innovates 2024) held on April 16, 2024. The projects garnered recognition, with one receiving a "Special Mention" prize.

Project 1: A Study of Real-time Data using Assignment Problem and Linear Programming Modeling in Python and MS-Excel

Project 2: Study of Real-time Employee Training Data of a Company using the Hungarian Method in MS-Excel

FDP/STTP/SEMINAR ATTENDED

APPLIED MATHEMATICS

Dr.B.Thilaka, Professor and Dr.M.Radhakrishnan, Assistant Professor attended a one-week International FDP on Applied Mathematics in Engineering and Technology held from 20/3/2024 to 27/3/2024, organized by Department of Mathematics, SRM TRP Engineering College, Tiruchirappalli.



Mr. S. Selvakumar, Assistant Professor (department not mentioned), attended a seven-day STTP (Virtual) on MATLAB organized by Department of Mathematics, CSSR & SRRM degree & PG College, Andhra Pradesh from 08-Apr-2024 to 14-Apr-2024.



Dr. R. UmaDevi, Assistant Professor, attended a one-week National Seminar on SCILAB with CSSR organized by the Department of Mathematics, CSSR & SRRM Degree & PG College from April 29, 2024, to May 4, 2024.



Dr.N.R. Sheela, Associate Professor and Head, Department of Applied Physics Convenor and Organising secretary organised two day workshop on Mitigating Environmental related occupational safety measurement and exploring biological effects on radioactivity during 21-22 March 2024.



About SVCE
Sri Venkateswara College of Engineering (SVCE) is a unit of Sri Venkateswara educational and cultural trust. SVCE is one of the premier technical institutions in Tamil Nadu, the college is situated on the Chennai Bangalore highway (NH4) about 37km South-West of Chennai. The college is on a 95-acre lush green campus. It is housed in architecturally exquisite buildings with ample infrastructure such as Classroom, Laboratories, Libraries, Sports Arena, Canteen, Hostel, Dispensary etc. The college offers 12 UG programs and 8 PG programs. SVCE is an ISO9001:2015 certified institution and accredited by NAAC with A+ grade.

Department Of Applied Physics
The department of Applied physics has an approved research center by Anna university Chennai since 2008. Department has well equipped laboratories, efficient research supervisors approved by CFR and dedicated faculty members. The Department offers the fundamental science subjects to the budding engineering students. The staff members are specialized in the field of Material Science, Nanotechnology, Spectroscopy, Condensed matter physics and Environmental Science

Chief Patron
Dr. M. Sivanandham
Secretary, SVCE

Patron
Dr. S. Ganesh Vaidyanathan
Principal, SVCE

Convenor & Organizing Secretary
Dr. N.R. Sheela
Head of the Department, Applied Physics SVCE

Organizing Committee
Dr. A. Bhaskaran M.Sc., Ph.D
Dr. S. Sampathkrishnan M.Sc., M.Phil., Ph.D
Dr. A. Anandavadivel M.Sc., Ph.D
Ms. G. Bharathy M.Sc., M.Phil
Dr. T. Senthilnathan M.Sc., M.Phil., Ph.D
Dr. M. Sukumar M.Sc., Ph.D
Dr. A. Saravanan M.Sc., Ph.D

SVCE Sri Venkateswara College of Engineering
Autonomous Institution, Affiliated to Anna University, Chennai
Approved by the AICTE, Accredited by NAAC

Department of Applied Physics organizes

A TWO DAY NATIONAL LEVEL WORKSHOP

Mitigating Environmental Related Occupational Safety Measurements and Exploring Biological Effects of Radioactivity

on **21 and 22 March, 2024**

SVCE Sri Venkateswara College of Engineering
Autonomous • Affiliated to Anna University
Pembalur, Sriperumbudur, Tamil Nadu | www.svce.ac.in

THE DEPARTMENT OF APPLIED PHYSICS cordially invites you all for **A TWO-DAY WORKSHOP ON MITIGATING ENVIRONMENTAL RELATED OCCUPATIONAL SAFETY MEASUREMENTS AND EXPLORING BIOLOGICAL EFFECTS OF RADIOACTIVITY** in the presence of

CHIEF GUEST
Dr. C. Gurumoorthy
Professor (and De-NCERT), Director, Centre for Applied Nuclear Research (Shri Ram Institute of Higher Education and Research (SHRI))

GUEST OF HONOR
Mr. Amalan Alavandar
Climate Change & Water Specialist (Consultant), Asian Development Bank (ADB)

PRESIDED BY
Dr. S. Ganesh Vaidyanathan
Principal, SVCE

CONVENOR & ORGANISING SECRETARY
Dr. N.R. Sheela, M.Sc., B.Ph., Ph.D.
Associate Professor and Head,
Department of Applied Physics

ORGANISING COMMITTEE
Dr. A. Bhaskaran M.Sc., Ph.D.
Dr. S. Sampathkrishnan M.Sc., M.Phil., Ph.D.
Dr. A. Anandavadivel M.Sc., Ph.D.
Ms. G. Bharathy M.Sc., M.Phil.
Dr. T. Senthilnathan M.Sc., M.Phil., Ph.D.
Dr. M. Sukumar M.Sc., Ph.D.
Dr. A. Saravanan M.Sc., Ph.D.

DATE: 21st and 22nd March, 2024 **VENUE:** DAY 1: Library Seminar Hall, SVCE DAY 2: Kalpakkam

WORKSHOP PARTICIPATED

Dr. SampathKrishnan, Professor Ms. G. Bharathi, Dr. T. Senthilnathan,, Dr. M. Sukumar and Dr. A. Saravanan Assistant Professors, Department of Applied Physics, participated in the two-day workshop on "Mitigating Environmental-related Occupational Safety Measurement and Exploring Biological Effects of Radioactivity," organized by the Department of Applied Physics, SVCE, during March 21-22, 2024.



Ms.G.Bharathy, Assistant Professor, Department of Applied Physics has participated in 4th one week International workshop on Technical writing using LaTeX. School of Electronics Engineering (SENSE) and Technically Co-Sponsor by VIT-AP IEEE SB and MTT SBC, at VIT-AP University, Amaravati, India during 30th Mar- 5th Apr, 2024.



Dr.M.Sukumar, Assistant Professor, Department of Applied Physics has participated in a Five day online Faculty Development Program on "Sustainable Nanomaterials Engineering for Environmental Applications" organized by Physics division, Department of Basic Sciences Humanities in collaboration with Centre for Nanotechnology, Indian Institute of Technology Guwahati under INUPi2i program from 22 - 26 April, 2024.

Dr.N.R. Sheela, Associate Professor and Head, Department of Applied Physics was invited as a Resource person and delivered a Guest lecture on Emerging trends in Photovoltaic cells at S.A Engineering college, Chennai on 17th April 2024



EVENT ORGANISED

Dr.N.R. Sheela, Associate Professor and Head, Department of Applied Physics, coordinated in organizing One day workshop 'Experience SVCE' for Shri Kendriya Vidhyalaya School Children in Association with BIS 23rd April 2024



COMPLETED IA TRAINING COURSE

Dr. Amutha Charu Sheela / Assistant Professor Completed "Innovation Ambassador Foundation Level Training" on 21/4/24 conducted by MHRD.



WORKSHOPS PARTICIPATED:

Dr. Iyuswariya Lakshmi / Assistant Professor completed a five day faculty development program on "ELT - Innovative Approaches and Methods" from 18/4/24 to 23/4/24 organized by FED, Department of English & Humanities, ANITS, Neerukonda Institute of Technology & Science, Visakhapatnam..



The Agenda newsletter.....

FROM THE DEPARTMENTS OF SCIENCE AND HUMANITIES
(APPLIED CHEMISTRY, APPLIED MATHEMATICS, APPLIED PHYSICS
& HUMANITIES AND SOCIAL SCIENCES)

EDITORIAL TEAM

Dr. G. Devasagayam
Professor
Department of Applied Chemistry

Dr. S. Ananda Babu
Assistant Professor
Department of Applied Chemistry

Dr. A. Subbu alias Suba
Assistant Professor
Department of Applied Mathematics

Dr. T. Senthilnathan
Assistant Professor
Department of Applied Physics

Mr. S. Bharathikumar
Assistant Professor
Department of Humanities and Social Sciences

Dr.S.Stanly
Professor & Head
Department of Applied Chemistry

Contact Us

CAMPUS ADDRESS:

Sri Venkateswara College of Engineering
Post Bag No.1
Pennalur Village
Chennai - Bengaluru Highways
Sriperumbudur (off Chennai) Tk. - 602 117
Tamil Nadu, India

TRUST OFFICE ADDRESS:

Sri Venkateswara Educational and Health Trust
Address: 1/3A River View Road,
Sector 3, Kotturpuram,
Chennai, Tamil Nadu 600085



acm@svce.ac.in
principal@svce.ac.in
enquiry@svce.ac.in



+91-44-27152000