

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 - 5

APPLIED PHYSICS - 10

HUMANITIES AND SOCIAL SCIENCES - 15

VOLUME 02; ISSUE 3 MARCH 2024 MONTHLY UPDATED

Dr. T. Balusamy has participated National level online seminar on 'Flowing futures: Committing to clean water and sanitation goals' (in connection with world water day - 22 nd March) organized by Rajiv Gandhi Arts and Science College, Pondicherry, Environmental Education, Shiksha Sanskruti Utthan Nyas, New Delhi (South zone Tamil Nadu and Kerala) and Department of Environmental Science, Central University of Kerala during 23.03.2024.




PAPER PRESENTED

Dr. Anandhavelu Sanmugam has presented the work, entitled Formulation of cobalt dichalcogenides nanostructures electrodes for the asymmetric supercapacitor devices in the International Conference on Advanced Functional Materials and Devices (AFMD-2024) organized by Nanotechnology Research Centre (NRC), SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India, held during February 26-29, 2024.







We're thrilled to announce that Dr. Anandhavelu has recently published research paper, titled "Naphthalene Derived Schiff Base: A Reversible Fluorogenic Chemosensor for Aluminium Ions Detection," published in the esteemed journal Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (Volume 308, 2024, Page 123732). Published by Elsevier and included in the SCI index with an impressive impact factor of 4.4.



Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
Volume 308, 5 March 2024, 123732

Naphthalene derived Schiff base as a reversible fluorogenic chemosensor for aluminium ions detection

T. Johny Dathees^a, S. Prince Makarios Paul^b, **Anandhavelu Sanmugam^c**, A. Abiram^b, S. Murugan^d, Raju Suresh Kumar^e, Abdulrahman I. Almansour^e, Natrajan Arumugam^e, R. Nandhakumar^a  , Dhanasekaran Vikraman^f  

^a Fluorensic Materials Laboratory, Department of Physical Sciences, Karunya Institute of Technology and Sciences (Deemed-to-be University), Karunya Nagar, Coimbatore 641 114, India
^b Department of Physical Sciences, Karunya Institute of Technology and Sciences (Deemed-to-be University), Karunya Nagar, Coimbatore 641 114, India
^c Department of Applied Chemistry, Sri Venkateswara College of Engineering, Pennalur, Sriperumpudur 602 117, India
^d Department of Biotechnology, Karunya Institute of Technology and Sciences (Deemed-to-be University), Karunya Nagar, Coimbatore 641 114, India
^e Department of Chemistry, College of Science, King Saud University, P.O. Box 2455, Riyadh 11451, Saudi Arabia
^f Division of Electronics and Electrical Engineering, Dongguk University-Seoul, Seoul 04620, Republic of Korea



Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
Supports open access

7.9 CiteScore | 4.4 Impact Factor

Articles & Issues  About  Publish  Order journal   Search in this journal  Submit your article  Guide for authors

About the journal

Spectrochimica Acta, Part A: Molecular and Biomolecular Spectroscopy (SAA) is an interdisciplinary journal which spans from basic to applied aspects of optical spectroscopy in chemistry, medicine, biology, and materials science. The journal publishes original scientific papers that feature high-qua...

Dr. S. Stanly, Professor and Head, and Dr. G. Baskar, Associate Professor, attended a one-day workshop titled "Process and Drafting of Intellectual Property Rights." This workshop was organized by the Department of Electrical and Electronics Engineering itself and sponsored by the Science and Engineering Research Board (SERB), Government of India.



Dr. S. Stanly, Professor and Head, attended DRDO Sponsored Two Days Workshop on Heat and Mass Transfer Analysis of Nanofluid and Hands-on Training with CFD Ansys Fluent Software, organized by Department of Applied Mathematics, SVCE on 26 th and 27 th March 2024.



Dr. G. Baskar, ASP/ACH, Dr. S. Stanly, HoD-ACH, along with Dr. S. Ganesh Vaidhyanathan, Principal, Dr. V. Vidhya, HOD-INT, and Dr. D. Jayanthi, ASP/INT, participated in the signing of the MoU between SVCE and Rela Hospital, Chennai.



TRAINING ATTENDED:

Dr. S. Ananda Babu participated in the training program on "UNEARTHED DANGERS: THE HIDDEN THREAT OF SOLID WASTE IN DISASTER RISK." Held from March 18 to 22, 2024, this program was a pivotal component of the project "The Journey from Wastes to Resources," a collaborative initiative by the School of Sciences, Manav Rachna University, and the Hazardous Substances Management Division, Ministry of Environment, Forestry, and Climate Change, under the Central Sector Scheme.



Dr. G. Baskar, ASP/ACH, coordinated with Mr. P. Selvamani, AP/CSE, and Dr. R. Anitha, HOD-CSE, in conducting a guest lecture on the "Importance of Artificial Intelligence in Agriculture" by Dr. S.V. Murugan, Director of the National Agro Foundation. The audience comprised third-year B.Tech AD students.



FIELD VISIT

The second-year B.Tech AD-A & B students visited the watershed management facility at Thirukalukundram, National Agro Foundation, as part of their Environmental Sciences and Sustainability course. The students were accompanied by Dr. G. Baskar (ASP/ACH), Mr. R. Senthil Kumar (AP/CSE), Ms. T. Padmavathy (AP/CSE), Dr. M. Thirumalaikumar (ASP/ACH), Ms. A. Ajoie Sweetlin Jeena, and Mr. R. Gnanavel. The event was coordinated by Mr. P. Selvamani (AP/CSE) from SVCE and Dr. T. Maheswaran (Joint Director-NAF).



WORKSHOP ORGANIZED:

The Department of Applied Mathematics organized a "DRDO sponsored Two Days Workshop on Heat and Mass Transfer Analysis of Nanofluid and Hands-on Training with CFD Ansys Fluent Software".

Convener: Dr.R.Muthucumaraswamy,

Professor & Head, Dept. of Applied Mathematics

Co-ordinator: Dr.A.Subbu alias Suba, Assistant Professor

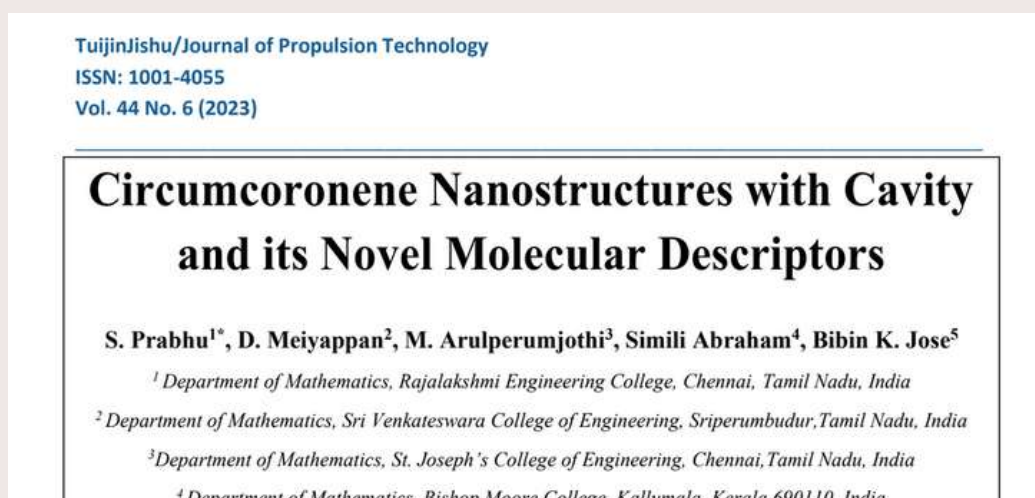
Date: 26 th and 27 th March, 2024.

Resource Persons:

- Dr.R.Muthucumaraswamy, Dean (Research), Professor & Head, Department of Applied Mathematics, SVCE.
- Prof.Sarit Kumar Das, Institute Professor, Department of Mechanical Engineering, IIT, Madras.
- Dr.E.Geetha, Assistant Professor, Department of Applied Mathematics, SCSVMV University, Kanchipuram.
- Mr. M.Maheswaran, Assistant Professor, Department of Mechanical Engineering, SVCE.
- Dr.U.Maharajan, Assistant Professor, Department of Mechanical Engineering, SVCE.



S. Prabhu, D. Meiyappan, M. Arulperumjothi, Simili Abraham, Bibin K. Jose, published a paper titled "Circumcoronene Nanostructures with Cavity and its Novel Molecular Descriptors, TuijinJishu/Journal of Propulsion Technology, ISSN: 1001-4055, Vol. 44 No. 6 (2023)

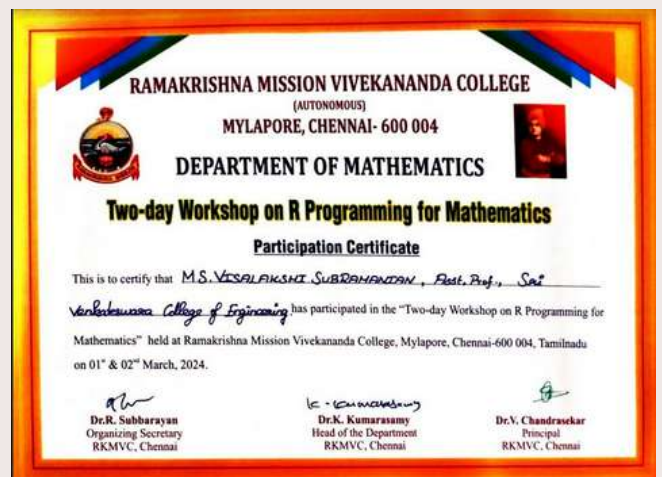
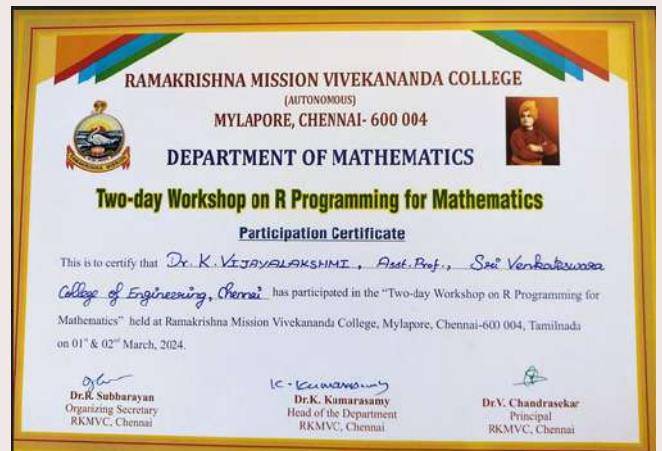


PAPER PRESENTED IN CONFERENCE

Dr.R.Suresh, Assistant Professor, presented a paper entitled "Robust sampled data non fragile H infinity control for discrete time switched non-linear networked control systems" in National Conference on Mathematical Modelling and Computation (NCMMC-2024), organized by Department of Mathematics, PSGR Krishnammal College for Women, Coimbatore held on 14 th & 15 th March 2024.



WORKSHOP PARTICIPATED



Dr.K.Vijayalakshmi,
Dr.R.Umadevi,
Ms.Visalakshi
Subramanian,
Assistant Professors,
attended a Two-Day
Workshop on R
Programming for
Mathematics ;
held at Ramakrishna
Mission Vivekananda
College, Mylopore, Chennai
on 1 st and 2 nd
March, 2024.

Dr.J.Vijayarangam, Assistant Professor,
attended "5 Days Online FDP on Data
Science for Decision Making", conducted
by Department of Data Science and
Computing Sciences, Coimbatore
Institute of Technology, from 26.2.24 to
1.3.24.



WORKSHOP PARTICIPATED

Dr.M.Radhakrishnan,
Dr.K.Vijayalakshmi,
Dr.J.Vijayarangam and
Dr.V.Gayathri,
Assistant Professors,
attended DRDO Sponsored
Two Days
Workshop on Heat and
Mass Transfer Analysis of
Nanofluid and Hands-on
Training
with CFD Ansys Fluent
Software, organized by
Department of Applied
Mathematics,
SVCE on 26 th and 27 th
March 2024.



ARTICLES REVIEWED

- 1 Dr.R.Muthucumaraswamy, Professor & Head, reviewed an article entitled "Numerical Calculation of Ion Orbit Loss Current in Tokamak Edge Region and Comparison with Neoclassical Radial Current for the Journal Physics of Fluids, AIP Publishing, USA.
- 2 Dr.V.Gayathri, Assistant Professor, reviewed an article titled, Two Intrinsic Formulae Generated by the Jones Polynomial in Qeios - Open Access Journal. Qeios ID: F4TPF7.

BOOK CHAPTER PUBLISHED

Dr.J.Vijayarangams, Assistant Professor, published two chapters titled Predictive Analysis- An Introduction (<https://www.eurekaselect.com/chapter/21707>) and Discrete Event System Simulation (<https://www.eurekaselect.com/chapter/21708>) in the e-book "Intelligent Technologies for Automated Electronic Systems, Advanced Technologies for Science and Engineering. DOI: 10.2174/97898151795141240101.

The screenshot shows the Bentham Science website interface. At the top, there is a navigation bar with the Bentham Science logo, a search bar, and links for Login, Register, and Cart. Below the navigation bar is a menu with options: Home, About, Publications, Publish with us, Marketing Opportunities, Articles by Disease, For Librarians, For Authors & Editors, and More. The main content area displays a book chapter listing for "Intelligent Technologies for Automated Electronic Systems". The chapter title is "Predictive Analytics - An Introduction" by J. Vijayarangam*, S. Kamalakannan and T. Karthikeyan. The page number is 53-64 (12) and the DOI is 10.2174/9789815179514124010006. A "Buy Chapters" button is visible with a price of 15. A note below the button states "* (Excluding Mailing and Handling)".

WORKSHOPS PARTICIPATED

APPLIED PHYSICS

Dr.N.R. Sheela, Associate Professor and Head, Department of Applied Physics had participated in the DRDO sponsored workshop on Heat and Mass transfer analysis of nanofluid and hands on training with CFD Ansys fluid software; organised by Applied Mathematics in association with Mechanical Engineering department, SVCE during 26-27 March 2024



Dr.N.R. Sheela, Associate Professor and Head, Department of Applied Physics had participated in the National workshop on Environmental Radioactivity, Monitoring, Modeling and Assessment [NWEMMA-2024] at Sri Sivasubramania Nadar College of Engineering, Chennai- 603110 on 01.03.2024

WORKSHOPS PARTICIPATED

Dr.T.Senthilnathan, Assistant Professor, Department of Applied Physics had Participated in the Industry Supported 5-Days Online STTP on Recent trends and applications in IoT organised by the Computer Society of India - SVCE students chapter from 27.02.24 to 04.03.24



FDP PARTICIPATED

Dr.N.R. Sheela, Associate Professor and Head,
 Dr. Sampath Krishnan, Professor,
 Ms.G.Bharathy
 Dr.T.Senthilnathan, Assistant Professors
 from the Department of Applied Physics had Participated in one week "International FDP on Advanced Functional Materials: Energy, Environment and Sustainable Development" from 26th February to 5 th March 2024 organised by Department of Physics , SRM TRP Engineering college, Trichirappali.



MS. G. BHARATHY AND DR. T. SENTHILNATHAN, PARTICIPATED IN THE SERIES OF FIVE SPECIAL LECTURES

organised by Department of Physics SRM TRP Engineering college, Trichirappali as listed below.

“National Science Day”- Seminar on “Application of Amorphous and Nanostructured Magnetic Materials for Transformer Core” on 28.2.2024



“National Science Day” - International Seminar on “Societal Advancement Powered by Nuclear Energy” on 02.03.24



MS. G. BHARATHY AND DR. T. SENTHILNATHAN, PARTICIPATED IN THE SERIES OF SPECIAL LECTURES

National Workshop on "Density Functional Theory" on 6.3.24



International Women's day special lecture on "Women in Science and Technology" on 09.03.24



National Seminar on "National Educational Policy (NEP)" on 11.3.24



Ms.G.Bharathy published a research article entitled Molecular structural, vibrational spectra, dual descriptor, Electronic Transition and Biological Evaluations of Ethyl 4-hydroxy-3-methoxycinnamate using Density Functional Theory has published in Elsevier-Chemical Physics Impact journal.



Contents lists available at [ScienceDirect](https://www.sciencedirect.com)

Chemical Physics Impact

journal homepage: www.sciencedirect.com/journal/chemical-physics-impact



Full Length Article

Molecular structural, vibrational spectra, dual descriptor, electronic transition and biological evaluations of ethyl 4-hydroxy-3-methoxycinnamate using density functional theory

G. Bharathy^{a,b,c}, Johanan Christian Prasana^{a,*}, V.S. Jeba Reeda^d, M. Prasath^e, A. Manikandan^{f,g}

^a Department of Physics, Madras Christian College, East Tambaram 600059, Tamil Nadu, India

^b Department of Physics, Sri Venkateswara College of Engineering, Sriperumbudur 602117, Tamil Nadu, India

^c University of Madras, Chennai 600005, Tamil Nadu, India

^d Department of Physics, Women's Christian College, Nagercoil-629001, Tamil Nadu, India

^e Periyar University Centre for Post Graduate and research Studies, Dharmapuri, Tamil Nadu, 635205, India

^f Department of Chemistry, Karpagam Academy of Higher Education, Coimbatore, 641021, Tamil Nadu, India

^g Centre for Material Chemistry, Karpagam Academy of Higher Education, Coimbatore, 641021, Tamil Nadu, India

WORKSHOP PARTICIPATED

Ms.G.Bharathy, Assistant Professor, Department of Applied Physics has Participated in workshop on Process and Drafting of Intellectual Property Rights, organised by Department of Electrical and Electronics Engineering, SVCE sponsored by the Science and Engineering Board (SERB), Govt. of India on 20th March 2024



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


A GUEST JUDGE

Professor T. Murugavel was honored as a guest judge for the Vels Best Speaker competition, an event organized by Vels University.




COMPLETED THE NPTEL COURSE

Ms. Anichamalar / Assistant Professor completed successfully the NPTEL course on "Bilingualism a Cognitive and Psycholinguistic Perspective" in the month of March 2024.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
ANICHAMALAR
for successfully completing the course


Bilingualism: A Cognitive and Psycholinguistic Perspective

with a consolidated score of **56** %


Online Assignments	15.83/25	Proctored Exam	39.8/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **15**


Jan-Mar 2024
(8 week course)




Prof. T. V. Bharat
Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL24HS20S654100535 To verify the certificate  No. of credits recommended: 2 or 3

HACKHERTHON EVENT

Dr. Amutha Charu Sheela / Assistant Professor
Coordinated the Hackherthon event on 5/3/24 and
6/3/24 held at SVCE.



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