

THE AGENDA

Newsletter.....



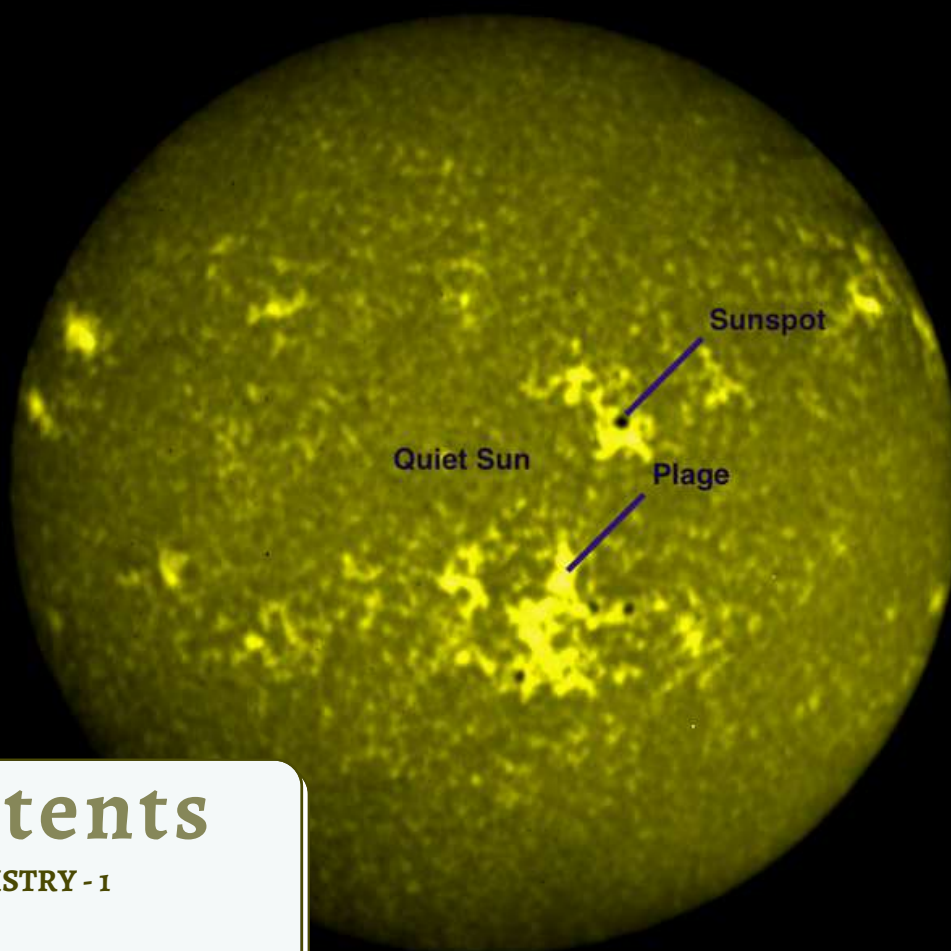
FROM THE DEPARTMENTS OF SCIENCE AND HUMANITIES

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

SRI VENKATESWARA COLLEGE OF ENGINEERING
SRIPERUMBUDUR - 602117 TAMILNADU, INDIA



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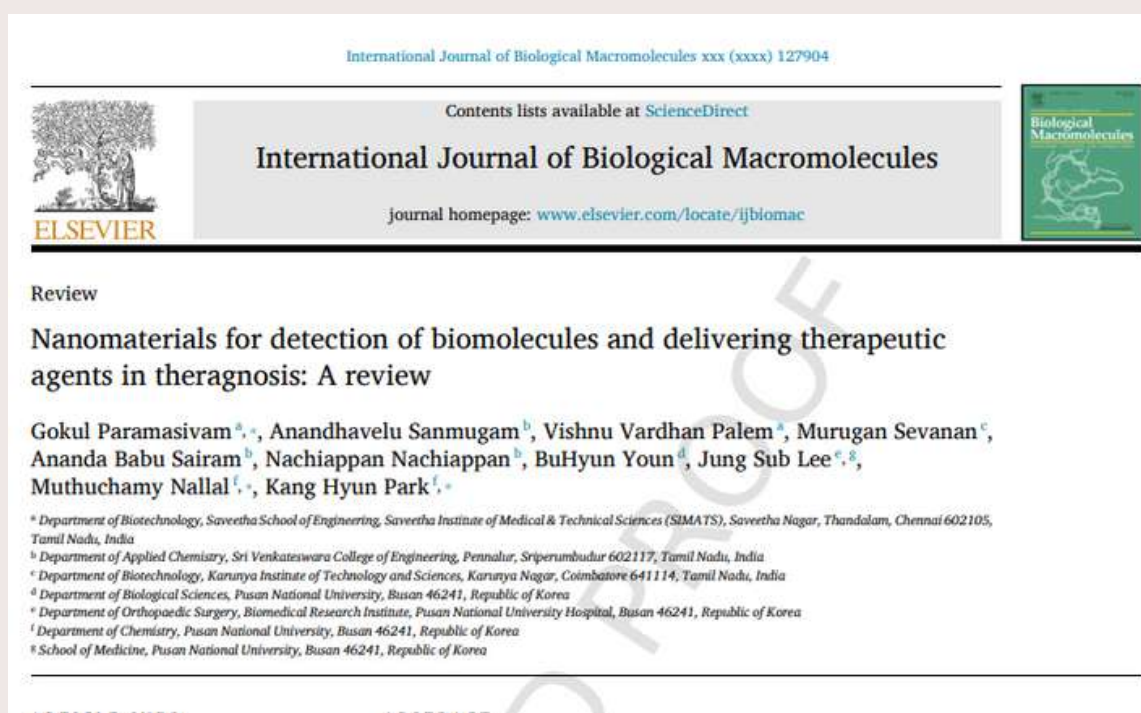
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HUMANITIES AND SOCIAL
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VOLUME 02; ISSUE 11 NOVEMBER 2023 MONTHLY UPDATED

The International Journal of Biological Macromolecules (impact factor 8.2) recently published a review article titled "Nanomaterials for detection of biomolecules and delivering therapeutic agents in theragnosis." The article highlights the exciting potential of nanomaterials in the simultaneous detection and treatment of diseases. The paper was authored by a team of scientists from esteemed institutions in India and the Republic of Korea, including:

- Anandhavelu Sanmugam, Ananda Babu Sairam and Nachiappan Nachiappan from the Department of Applied Chemistry, Sri Venkateswara College of Engineering, India
- BuHyun Youn from the Department of Biological Sciences, Pusan National University, Republic of Korea
- Jung Sub Lee from the Department of Orthopaedic Surgery, Biomedical Research Institute, Pusan National University Hospital, Republic of Korea
- Muthuchamy Nallal and Kang Hyun Park from the Department of Chemistry, Pusan National University, Republic of Korea



DR. ANANDHAVELU HAS PUBLISHED A RESEARCH ARTICLE.




The International Journal of Biological Macromolecules, a peer-reviewed scientific journal with an impact factor of 8.2 (2022), recently published an exciting research article titled "Development of chitosan-based cerium and titanium oxide loaded polycaprolactone for cutaneous wound healing and antibacterial applications."

This research, led by Dr. Anandavelu Sanmugam and his team, focuses on developing a novel biomaterial for cutaneous wound healing. The proposed material is based on chitosan, a natural polymer with excellent biocompatibility and antibacterial properties, combined with cerium and titanium oxide nanoparticles, known for their regenerative and antimicrobial capabilities.

The article details the successful fabrication and characterization of the novel biomaterial. The results demonstrate promising potential for promoting wound healing and preventing infections. This advancement could significantly impact the treatment of chronic wounds, burns, and other skin injuries.




Dr.R.Muthucumaraswamy, Professor and Head, served as a Resource Person for a Seminar on "How to write Proposal for Research Funding and Consultancy Project for Academicians " organized by the Department of Mathematics, School of Basic Sciences, VELS Institute of Science, Technology Advanced Studies (VISTAS) on 1/11/2023.

School of Basic Sciences
Department of Mathematics
Organizing Seminar on

How to Write Proposal for Research, Funding and Consultancy Project for Academicians

Date: 01.11.2023 **Time:** 2.00 PM to 4.00 PM
Venue: VISTAS Central Library (Conference Hall)


Resource Person
Dr. R. Muthucumaraswamy
 Professor and Head, Dean (Research),
 Department of Applied Mathematics
 Sri Venkateswara College of Engineering
 Sriperumbudur.

Dr. Ishari K. Ganesh,
 Founder - Chancellor, VISTAS

Dr. A. Jothi Murugan Pro - Chancellor (P & D) VISTAS	Dr. Arthi Ganesh Pro - Chancellor (Academics) VISTAS	Dr. Preethaa Ganesh Vice President, Vels Group of Institutions
Dr. S. Sriman Narayanan Vice-Chancellor, VISTAS	Dr. M. Bhaskaran Pro Vice-Chancellor, VISTAS	Dr. P. Saravanan Registrar, VISTAS

Dr. R. A. Kalaivani
 Dean, School of Basic Sciences, VISTAS.

Convenor
Dr.S.Meenakshi
 Associate Professor and Head, Department of Mathematics, VISTAS.

Organizing Committee
Dr. A. Selvaraj, Dr. G. Jayaraman, Dr. S. Senthamilselvi
Mrs. T. Iswarya, Mrs. A. Punitha

PAPERS PUBLISHED/ACCEPTED FOR PUBLICATION:

R.Muthucumaraswamy, R.M.Madhusudhan (JRF), P.Sivakumar, published a research paper entitled "Laplace Transform Solution of Parabolic Flow past an Inclined Plate in the presence of Hall Effects", Bulletin for Technology and History Journal, page.324-337, Vol.23, Issue 11, 2023.

Bulletin For Technology And History Journal

Issn No : 0391-6715

Laplace Transform Solution of Parabolic Flow Past an Inclined Plate in the Presence of Hall Effects*

R. Muthucumaraswamy^a, R.M.Madhusudhan^{a,†}, P. Sivakumar^b

^aDepartment of Mathematics, Sri Venkateswara College of Engineering, Sriperumbudur 602117, India

^bDepartment of Mathematics, Panimalar Engineering College, Chennai 600123, India

Abstract

This work discusses an accurate solution of parabolic flow past an inclined plate with Hall effects. The boundary conditions of the nonlinear system of partial differential equation for momentum, mass, and energy are transformed into dimensionless form. The necessary expressions for temperature, concentration, and flow velocity are derived by solving the corresponding PDE analytically with the Laplace Transform process. Temperature, concentration, and velocity profiles are investigated for factors such as Hall parameter, angle of inclination, Hartmann number, time, Schmidt number and Grashof number, which are represented graphically.

Keywords: Hall effect, Parabolic, Inclined plate, Laplace transform technique, MHD.

1 Introduction


Magnetohydrodynamics is a physics discipline that studies how electrically conducting fluids move when a magnetic field is present. Magnetohydrodynamics generators, Magnetohydrodynamics flow metres, and Magnetohydrodynamics pumps are a few examples of MHD. Dynamos and motors frequently use the Magnetohydrodynamics concept. Davidson's work [1] provides a concise explanation of the Magnetohydrodynamics concept. Significant uses of Magnetohydrodynamics flow issues have been made in industrial manufacturing processes, including plasma studies and the petroleum sectors. Aerodynamics boundary layer control and magnetohydrodynamic power generator cooling of transparent reactors. Numerous writers have investigated how magnetic fields affect problems with forced, spontaneous, and combined heat

*This research is supported by The Major Research Project No. 02011/13/2020-RD-II/8694 of The National Board for Higher Mathematics (NBHM), Department of Atomic Energy (DAE), Mumbai, Government of India.

[†]Corresponding author: manoharmadhusudhan@gmail.com

PAPERS PUBLISHED/ACCEPTED FOR PUBLICATION:

A manuscript entitled "Equilibrium Reaction under the Influence of Sulphuric Acid on Upper Convective Maxwell Fluid Flow through a Vertical Stretching Plate", by R.Sumathy (Full-time Research Scholar), R.Umadevi, K. Vijayalakshmi, (Assistant Professors) and S.Prabhakar (Part-time Research Scholar) has been accepted for publication in Indian Journal of Natural Sciences, Vol-14, Issue 81, December,2023.

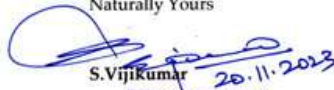
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To
 R.Sumathy^{1*}, R. Umadevi², K. Vijayalakshmi² and S. Prabhakar³
 Research Scholar, Department of Applied Mathematics, Sri Venkateswara College of
 Engineering, Sriperumbudhur, Kancheepuram (Affiliated to Anna University, Chennai)
 Tamil Nadu, India.
²Assistant Professor, Department of Applied Mathematics, Sri Venkateswara College of
 Engineering, Sriperumbudhur, (Affiliated to Anna University, Chennai) Tamil Nadu,
 India.
³Assistant Professor, Department of Applied Mathematics, S.A. Engineering College
 (Autonomous), (Affiliated to Anna University), Chennai, Tamil Nadu, India.
 *Corresponding author

Dear Sir/Madam
Sub: Acceptance Letter to Author(s)*
 Congratulation!!! According to my record, your manuscript entitled "Equilibrium
 Reaction under the Influence of Sulphuric Acid on Upper Convective Maxwell Fluid
 Flow through a Vertical Stretching Plate" has been accepted for publication in the
 Indian Journal of Natural Sciences (IJONS) VOL- 14 / ISSUE 81 / DEC 2023.
 Furthermore, you are responsible for any error in the published paper due to your
 oversight. Thank you very much for submitting your article to the Indian Journal of
 Natural Sciences (IJONS).
 Naturally Yours


 S. Vijikumar 20.11.2023
 Editor-In-Chief
 Indian Journal of Natural Sciences
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 Publication Officer
 Indian Journal of Natural Sciences

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 Pudukkottai, Tamil Nadu, India.

FDPS ATTENDED:

Dr.B.Thilaka, Professor & Dr.M.Radhakrishnan, Assistant Professor, completed an online FDP on “Advances in Mathematical Theory and Practical Applications” organized by the Department of Mathematics, School of Basic Sciences, VELS Institute of Science, Technology Advanced Studies (VISTAS) in association with Rabindranath Tagore University (RNTU), Bhopal from 6/11/2023 to 10/11/2023.



Dr.M.Radhakrishnan, Assistant Professor, attended a 5-day International FDP on “Applications of Mathematics in various fields with Innovative Approaches”, organized by the Department of Mathematics, Bapatla Engineering College, Bapatla from 21/11/2023 to 25/11/2023 through virtual mode.

ARTICLE REVIEWED:

Dr.R.Muthucumaraswamy, Professor and Head, reviewed a manuscript entitled "Variable thermal conductivity and mass diffusivity effects in a free convective flow of doubly stratified non-darcian porous medium over a vertical plate" for International Journal of Applied Mechanics and Engineering.



THE SVCE SCIENCE CLUB RECENTLY HOSTED THE CHANDRAYAAN UTSAV.

Dr.N.R.Sheela , Associate Professor and Head Department of Applied Physics," Organised Chandrayaan Utsav, an intercollegiate event on 16 th October 2023 at Library seminar hall and video Hall, SVCE. Chandrayaan Utsav was conducted to honour the exemplary success of Chandrayaan-3, Indian Space Research

Organisation's (ISRO) third lunar mission, after Chandrayaan-1 and Chandrayaan- 2. Celebrating the groundbreaking success of landing Chandrayaan-3 on the south pole of the moon's surface. The Utsav comprised of the following events:

1. Poster-making Competition
2. Short-film Contest
3. Art Exhibition

The events was witnessed and the winners were felicitated by Sri. V. Kumbakarnan, former Scientist/Engineer-H, Satish Dhawan Space Centre (SDSC), SHAR ISRO Sriharikota, and judged by Dean(Research), Dean(ED), Dr.R.Anitha, Head-Department of Computer Science and Dr.N.R.Sheela, Head - Department of Applied Physics, Faculty Coordinator of SVCE Science Club.

SVCE SCIENCE CLUB ORGANISED CHANDRAYAAN UTSAV



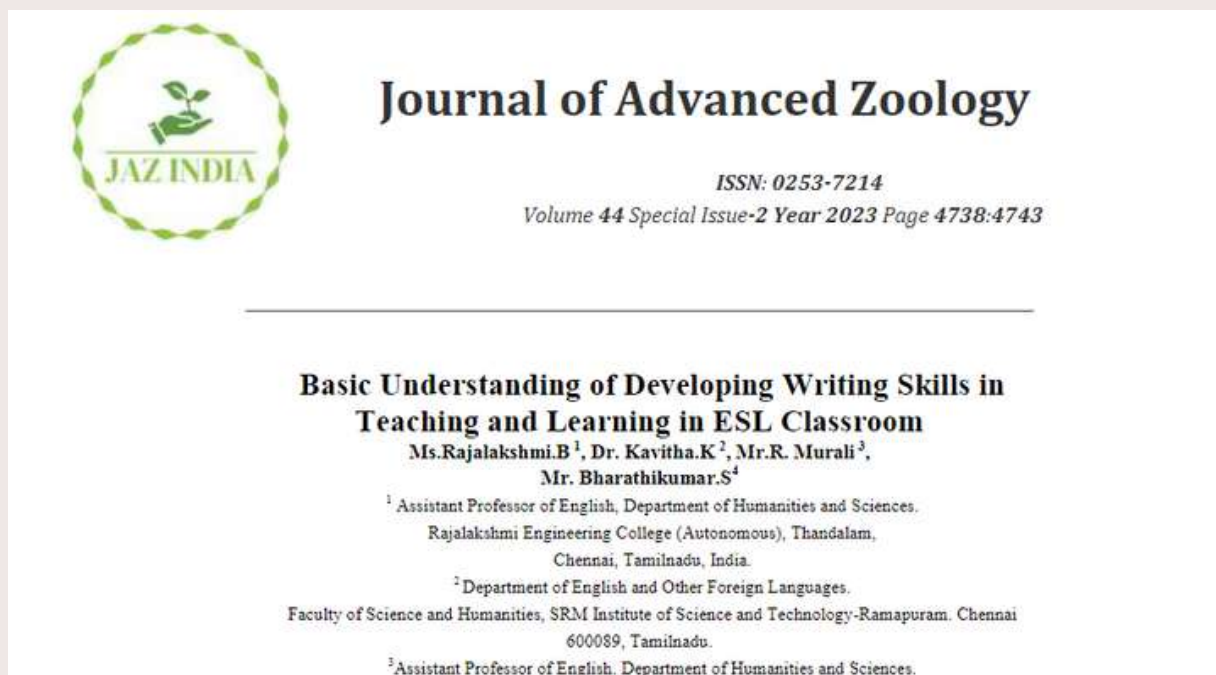
ORGANISED GUEST LECTURE

Dr.N.R.Sheela , Associate Professor and Head Department of Applied Physics," Organised guest lecturer, ISRO Launch Complex - An Overview provided the audience an in-depth presentation of the Indian Space Research Organisation (ISRO), its launch complexes, and its amazing contributions to space exploration Chandrayaan Utsav, on 16 th October 2023 at Library seminar hall.



A PAPER WAS PUBLISHED BY
MR. S. BHARATHI KUMAR.

S Bharathi Kumar and his co-authors published a paper titled "Basic Understanding of Developing Writing Skills in Teaching and Learning in ESL Classroom" in the Journal of Advanced Zoology. The paper explores the nuances of developing writing skills in the context of ESL classrooms and was a collaborative effort with co-authors from different institutions.



DR. AMUTHA CHARU SHEELA CO-EDITED A BOOK:

Dr. Amutha Charu Sheela / Assistant Professor (HSS) has co-edited a book: Title: Transcending the Human: A Critical Posthumanism Reader ISBN: 9798867566807 Published by AIFEST as part of the Critical Reader Series, UK Edition: International Paperback Edition.

DR. AMUTHA CHARU SHEELA DELIVERED A LECTURE

Dr. Amutha Charu Sheela / Assistant Professor (HSS) delivered a lecture on 'Entrepreneurship as a career opportunity' in a Seminar organized by the Institute Innovation Council, SVCE on the occasion of National Entrepreneurship Day on 9th November 2023.

WORKSHOPS/FDPS/CONFERENCES PARTICIPATED:

1. Dr. Amutha Charu Sheela / Assistant Professor (HSS) has participated in the Professional Development Programme on "Principles of Materials Design in English Language Teaching" from 20/11/2023 to 24/11/23 conducted by the National Institute of Technical Training and Research, Chennai.

2. Dr. Amutha Charu Sheela / Assistant Professor (HSS), Dr.lyuswariya lakshmi.M.V / Assistant Professor (HSS) and Dr.Sandhiya Devi. G / Assistant Professor (HSS) have attended a five-day FDP on "Preparing Teachers for Artificial Intelligence Driven Education" from 06th November 23 till 10th November 23 organized by ELTAI Thoothukudi Chapter and IQAC, Annammal College of Education.

3. Ms.Anichamalar / Assistant Professor (HSS), Mr.Shrihari / Assistant Professor (HSS) and Mr.Bharathikumar.S / Assistant Professor (HSS) have attended "A one-week international capacity building FDP on "Integrating 21st century skills into English Curriculum " from 17th November 2023 till 24th November 2023 organized by S.A. Engineering College.

4. Ms.Anichamalar / Assistant Professor (HSS) has attended a Webinar on "To AI or not to AI: Leveling the playing field in an ELT Classroom on 25th November 2023.

The Agenda newsletter.....

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

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Dr. T. Senthilnathan
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