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HEAT AND MASS TRANSFER ON AN UNSTEADY MHD FLOW THROUGH POROUS MEDIUM BETWEEN TWO POROUS VERTICAL PLATES

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Abstract

The mode of heat transfer will play an important role in the heat engineering applications. The present work is focused on analytical investigation of unsteady heat transfer rate through porous medium in the presence of uniform transverse magnetic field. In this an unsteady MHD Jeffery fluid flow over a vertical plate through a porous medium with the witness of uniform transverse magnetic field is considered for the investigating the effects of radiation/absorption, heat generation/absorption and homogeneous chemical reaction. The methodology involves the converting the coupled nonlinear partial equations in the ordinary differential equations by super imposition. The Perturbation method is used to fulfil the insufficient boundary conditions while solving the ordinary differential equations. The effect of various parameters on the velocity and temperature of the flow is investigated. The results are tabulated and various graphs are plotted for the effect of different parameters on fluid flow.

Keywords: Thermal radiation, Grasoffs Number, Nusselt Number, Porous Medium, Skin friction.

1. Introduction:

Hayat et al. [1] have investigated oscillatory rotating flows of a fractional Jeffrey fluid filling a porous space. Hayat et al. [2] have studied the effect of thermal radiation on the unsteady mixed convection flow of a Jeffrey fluid past a porous vertical stretching surface using homotopy analysis method. Hayat et al.

[3] have investigated radiative flow of Jeffrey fluid in a porous medium with power law heat flux and heat source. Hussain et al. [4] have examined radiative hydro magnetic flow of Jeffrey nanofluid by an exponentially stretching sheet. Lakshiminarayana et al. [5] studied effect of slip and heat transfer on peristaltic transport of a Jeffrey fluid in a vertical asymmetric porous channel.

2. Formulation:

In the present investigation in the presence of radiation absorption and a transverse magnetic field is considered in an unsteady free convective flow of Jeffrey fluid past an infinite vertical porous plate in a porous medium with time dependent oscillatory suction along with the permeability. Also considering the flow is of radiate, heat absorbing and chemically reactive.

Let a vertical plate is considered in a fluid flow direction such that assume the $-x^*$ -axis is along the plate which is in the direction of flow and the $-y^*$ -axis is normal to it. Let us consider the magnetic Reynolds number is much less than unity so that induced magnetic field is neglected in comparison with the applied transverse magnetic field. The basic flow in the medium is, therefore, entirely due to the buoyancy force caused by the temperature difference between the wall and the medium. It is assumed that initially, at $t^* < 0$, the plate as well as fluids are at the same temperature and also concentration as the species is very low so that the Soret and Dofour effects are neglected. When t^* , the temperature of the plate is



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Flexural and Impact Characterization of Polymer Laminated Composites Reinforced with Bi-Woven Glass Fibers

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ABSTRACT

The flexible, low weight and efficient materials are the latest requirement in the fabrication engineering. The aircraft, naval and aerospace applications are the highest demand for such materials in their fabrication. The laminated composites are the best one to fulfill the needs. The virtual characteristics of the composite are high strength to weight and stiffness. The present work is associated with the fabrication and characterization of polymer laminated composites reinforced with Bi-woven glass fibers. The epoxy material and Bi-woven glass fibers are used as matrix and reinforcement .The fabrication is achieved by using the hand layup technique. The mechanical properties such as flexural strength and impact strength are determined experimentally as per the ASTM standards. The response of the mechanical properties by varying the number of layers of Bi-woven glass fiber reinforcement content in the epoxy matrix material is investigated. It is observed that the flexural strength and impact strength are enhanced by increased the number of layers up to optimum number.

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OP-85

Influence of performance and emission of diesel engine with alumina nano particle based catalyst biodiesel

B Venkatesh¹, K Ajajy Kumar Reddy¹ and Pradeep²

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Abstract:

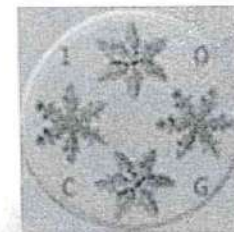
For last few decades, researches are investigating for control of emissions and improve the efficiency of an IC engines with any modifications. The researchers consider that the alternative fuels are the prominent solution for improve performance and at the same time reduce of emissions in diesel engines. An attempt has been made in this paper, production of the cottonseed biodiesel with transesterification process using ethonal and Cao-mg/Al₂O₃ as catalyst and its effects on diesel engine performance, combustion and emission characteristics based on experimental investigation. Four fuel blends prepared for testing of engine consists of CBDN10, CBDN20, CBDN30 and CBDN40 by volume respectively. For investigate the performance of cotton seed biodiesel blends on Kirloskar Engine TV1 diesel engine. Experimental results for CBDN blends show positive effects on engine performance, emissions and combustion. The Cao-mg/Al₂O₃ catalyst in cottonseed oil blends was found that the more effective reduction of emission NO_x, HC and CO. Also it reduces the fuel consumption and improves the brake thermal efficiency. Further the blends reduce the ignition delay and improve the combustion rate.

Key words: Cotton seed biodiesel, diesel engine, performance, emission



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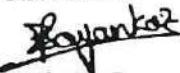
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This is to certify that, P Veera Sanjeeva Kumar has attended the International Conference on Sustainable Innovation In Science & Technology (ICSIST-21) and presented the paper on **In The Presence Of Continuous Heat And Mass Flux, The Aligned Magnetic Field Influence On The Unstable Natural MHD Convection Flow Of A Chemically Reacting, Radiative And Dissipative Fluid Past A Porous Vertical Plate** held at Chhindwara (M.P), India on 26th-27th Feb. 2021.


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Aligned magnetic field effect on unsteady natural MHD convection flow of a chemically reacting, radiative and dissipative fluid past a porous vertical plate in the presence of continuous heat and mass flux

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Abstract—This paper studies the slip flow effects on unsteady hydromagnetic flow over a stretching surface with thermal radiation in the presence of heat generation and porous media. The governing partial differential equations are reduced to a system of self-similar equations, using transformations of similarity. The resulting equations are then numerically solved using the fourth-order technique of Runge-Kutta and the shooting method. The effects on velocity and temperature of regulating physical parameters are measured and described in graphical and tabular ways, as well as the coefficient of skin friction and Nusselt number.

Numerical computations have been carried out for different parameter values, such as the magnetic interaction parameter.

(M^2) , in order to evaluate the results. Permeability of porous medium parameter (K), Heat generation parameter (Q), Unsteadiness parameter (A), Radiation parameter (R), Velocity slip parameter (h_1), Thermal jump parameter (h_2) and Prandtl number (Pr). With the help of figures and graphs, the results and numerical values are clarified. Also derived and discussed are the Skin Friction and Nusselt Number expressions.

Keywords—A chemically reacting, radiative and dissipative fluid heat and mass flux, aligned magnetic field, MHD normal convection flow

I. INTRODUCTION

This induces magnetic fields by changing electrical charges and intrinsic magnetic moments of elementary particles related to their fundamental quantum property, their spin. In relativity, electric and magnetic fields are two interrelated aspects of a single entity, namely the electromagnetic tensor. Depending on the relative velocity of the charge and the observer, the division of the tensor into electric and magnetic fields. In quantum mechanics, the electromagnetic field is quantized and electromagnetic interactions arise from the exchange of photons. Raja Shekar and Karunakar Reddy [1] examined heat and mass transfer past a continuously moving porous boundary in the presence of a magnetic field. Sun et al. [2] studied heavy segregation and self-assembly induced by strong magnetic fields of micrometer-sized non-magnetic particles. Raja Shekar and Karunakar Reddy [3] explored heat and mass transfer past a continuously moving porous boundary in the presence of a magnetic field. The effects of radiation and variable viscosity on a free MHD convection flow past a semi-infinite flat plate with an aligned magnetic field were studied by Seddeek [4] in the case of unsteady flow. A chemical reaction is a procedure that results in one category of chemical substances being converted to another. Chemical reactions generally include changes that include only electron positions in the formation and breakdown of

chemical bonds between atoms, without nucleus modification, and can usually be represented by a chemical equation. Chemical science can be a sub-discipline of chemistry involving the chemical reactions of elements in which electronic and nuclear modifications may take place that are unstable and radioactive. Krishna et al. [5] considered the effects of chemical reaction and radiation on MHD convective flow over a permeable stretching surface with suction and heat generation. In the presence of the heat source/sink for Soret and Dufour effects on free convective heat and mass transfer with thermophoresis and chemical reaction over a porous stretching surface, Kandasamy et al. [6] acquired group theory transformation. Ravikumar et al. [7] Joneidi et al. [8] investigated MHD double diffusive and chemically reactive flow through porous medium bounded by two vertical plates. [8] developed MHD free convective flow analytical treatment and mass transfer over a stretching board of chemical reactions. The effect of a chemical reaction on transient MHD free convection flow over a vertical plate was acquired by Sahin [9] in slip-flow mode. Chamkha et al. [10] explored Unsteady MHD natural convection from a heated vertical porous plate in a micro-polar fluid with chemical reaction, heating effects of Joule, and radiation. Mohamed et al. [11] have recorded unstable MHD double-diffusive convection boundary-layer flow past a radiating hot vertical surface in porous media in the presence of chemical reaction and heat sink. The release or transmission of radiation across space or through a tissue medium in the form of waves or particles is radiation in physics. This includes electromagnetic radiation such as radio waves, actinic rays, and x-rays, particle radiation such as alpha, β , and neutron radiation, and acoustic radiation such as vibration, ultrasound, and seismic waves. Radiation may also apply to the electricity, waves, or particles being radiated. Rajput and Kumar [12, 13] investigated radiation effects on MHD flow past a vertical plate with impulsively initiated variable heat and mass transfer. The influence of radiation on free-convection flow in a spinning fluid past an impulsively initiated vertical plate was discussed by Vijayalakshmi [14]. Muthucumaraswamy and Janakiraman [15] studied MHD and radiation effects with variable mass diffusion on the moving isothermal vertical plate. Thermal radiation and magneto hydrodynamic effects on heat and mass transfer of chemically reactive fluid with periodic suction were obtained by Ahmedsahin and Tridip [16]. Pal and Talukdar [17] have studied perturbation study of unstable magneto hydrodynamic convective heat and mass transfer through a vertical permeable plate with thermal radiation and chemical reaction in a boundary layer slip flow.

Ahmedsahin and Tridip [16] obtained thermal radiation and magneto hydrodynamic effects on heat and mass transfer of chemically reactive fluid with periodic suction. Pal and Talukdar [17] researched the perturbation analysis of unstable

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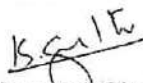
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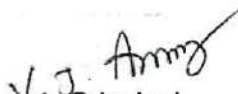
on 25-27, March 2021.

Paper Title: **Towards Effective Time Series Classification of Multi-Class Imbalanced Learning**

Author/s: **Priyadarsini K, S Karthik, O Hemakesavulu, Santoshachandra Rao Karanam**


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Department of Information Systems Management,
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Esafe for Document Protection

B Khadeej UI Umerah¹, M Hima Bindu², Dr. B Abdul Raheem³

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Abstract— Nowadays the need for the electronic protection to safe/suitcase/box is derived from the modern day applications like home security system, electronic lockers and other embedded systems. The main aim of this work is to protect and control the question paper/important documents theft/leakage from the safe/suitcase. This is an embedded system based on ATmega 2560 processor with GSM and RFID technology. If unauthorized person tries to open then a message will be sent to authorities through GSM. The RFID is a wireless non-contact system that transfers data from one to other. The finger print sensor is used for security purposes because it gives the identity of accessing person. If any Invalid RFID card is swiped then the system will not respond and display invalid card on LCD and GSM pass code is wrong, also displays as mismatch error then a message is send to a mobile number attached to it. A cost effective system is used for various purposes where the documents or any valuables to be protected.

Keywords — ATmega 2560 Processor; RFID; GSM Module; ESafe.

1. Introduction

Important documents related to finance, land, military and question papers are carried in suitcases. They may be sealed through paper covers, polythene sheets or card boxes, the authenticity lies on the infringement of them. From the ages the security of them and safety in transporting them to the destination had been in question. Regularly we could see the cases of stealing exam question papers, financial documents, land documents or strategic military documents by thieves, business competitors, spies from the other countries. Protection of such documents is a daunting task and requires methods such that can be delivered or kept safely [1]. The responsibility of these systems for protection from stealing and spillage of documents has become an issue.

If the document is in soft digital form, the casing and carrying task becomes more critical and crucial. The suitcases with interlocking systems played a major role for long years, the cases with numeric locks also used in several cases till today and all these have been tapped for good and authenticity is now a question mark. Other technique involves the e-duplicate of the question papers or documents

submitted to the universities/destination centres for review from the school/college/office beforehand can protect to a certain instant. The databases may be hacked, server may also breakdown and number of schools/colleges/offices expected to take the printouts if the document is sent through internet. The other hazards include such as power failure, printer malfunction, network disappointment, which may cause spillage or testing issues [2].

The concept for the proposed system that includes electronic insurance is extracted from advanced applications such as bank electronic lockers, home security frameworks, office security frameworks, and other electronic system updated to protection. The section 2 describes the objectives of the work, proceeded by the block diagrams and description of each component attached to it. The section 4 presents the system implementation and working of the prototype model and lastly the section gives concluding remarks.

2. Objectives

Designing an electronic safe which is going to protect the documents may be a question paper, bank document, financial agreement, land registration

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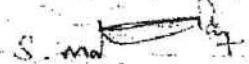
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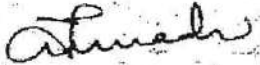
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Paper ID : IVC21ACME123

Paper Title : A GRAPH BASED MODEL FOR DISCOVERING HOST-BASED HOOK ATTACKS


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Paper ID : IVC21ACME073

Paper Title : RESOURCE ACCESS CONTROLLING MECHANISM TO PREVENT INSTALLATION OF FAKE APPLICATIONS IN SMARTPHONES

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This is to certify that Dr./Mr./Ms/ B. Venkata Sivaiah-Assistant Professor from **ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, RAJAMPET** has presented a paper entitled **“ENHANCING AN AGILE HEALTH USING IOT”** in the Virtual International Conference on Research Trends in Deep Learning, Big Data & IoT during 26th & 27th February 2021 Organized by the Department of Computer Science and Engineering.


Dr. P. Ramesh Babu
Convener


Dr. B. Geethavani
Programme Chair


Dr. K. Chandrasekhar Reddy
Principal, SIETK


Dr. K. Ashok Raju
Chairman

International Conference On Cybernetics, Cognition And Machine Learning Applications

29th-30th August 2020

Goa, India

7



Congratulations and Gratitude to

M.SUBBARAO

for presenting the paper on

*Parametric Analysis of Texture Classification using
Weighted Probabilistic Neural Network (WPNN)*

Ruy

General Chair

Simi

Conference Secretary

INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTER ENGINEERING AND COMMUNICATION SYSTEMS



E-Conference (ICACECS-2020)

Springer



VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science & Engineering

CERTIFICATE OF PRESENTATION

This is to certify that

Mrs T Sree Lakshmi

Research Scholar, CSE Department, Annamalai University

has

presented & published a paper on ***Malware Detection Kit for malware analysis of Big data***

at the International Conference on Advances in Computer Engineering & Communication Systems

organised by the Department of Computer Science & Engineering, VNR VJIET

during 13th & 14th of August, 2020.

Dr. P Subhash
Associate Professor &
Co-Chair

Dr. Deepak Sukheja
Associate Professor &
Co-Chair

Dr. A Brahmananda Reddy
Associate Professor &
Co-Chair

Dr. C Kiran Mai
Professor &
Programme Chair

Dr. B.V. Kiranmayee
Head, Dept of CSE &
Programme Chair

**ICASEM
2020**

2nd International Conference of APTSMS

August 7th – 9th, 2020

Virtual Conference

**International Conference on
Advances in Science
Engineering & Mathematics**

Organized by

**Annamacharya Institute of Technology & Sciences
(An Autonomous Institution)**

Rajempeta, Andhra Pradesh, INDIA

Approved by AICTE &

Accredited by NAAC with 'A' Grade

In association with

**Andhra Pradesh & Telangana
Society for Mathematical Sciences**

<http://icasem2020.website2.me>



VASAVI COLLEGE OF ENGINEERING

(Autonomous)



DEPARTMENT OF INFORMATION TECHNOLOGY

AICTE Sponsored 3rd International E-Conference on
Computational Intelligence & Data Engineering

(ICCIDE-2020)

08-09 August, 2020

Certificate

*This is to certify that Dr. /Mr. /Ms. **M M Venkata Chalapathi** has participated and presented a paper entitled "A Novel Two Layer Feature Selection for Emotion Recognition with Body Movements" in the AICTE Sponsored 3rd International Conference on Computational Intelligence & Data Engineering (ICCIDE - 2020) in association with Springer organized by the Department of Information Technology, Vasavi College of Engineering, Hyderabad, Telangana, India, during 8-9 August 2020.*

Prof. K. Ram Mohan Rao
Conference Chair

Prof. S V Ramana
General Chair

2nd National Conference of Education, Research and Innovation (ERI)

Osmania University Centre for International Program, Osmania University Campus, Hyderabad (India)

ISBN: 978-81-952307-6-1

26th June 2021

INSTANT PLASMA DONOR RECIPIENT CONNECTOR WEBAPPLICATION

S.Ashok Kumar¹ , N.Pranavi², T.Rashmitha³

B.Mohan⁴, L.Pavithra⁵ , B.Sai Prakash⁶

¹CSE, Assistant Professor,

Annamacharya Institute of Technology and Sciences, Rajampet, AP, India

^{2,3,4,5,6}CSE, UG Scholor,

Annamacharya Institute of Technology and Sciences, Rajampet, AP, India

INTRODUCTION

The INSTANT PLASMA DONOR Management System presents a high-end system to bridge the gap between the blood donors and also the folks in want for blood. Application for bank Management System may be a thanks to synchronize users (donors) and destitute users.

The planet is plagued by COVID nineteen crisis, and that we haven't found any vaccinum nevertheless. however there's another scientific manner from that we will facilitate to lower the death magnitude relation or facilitate the COVID nineteen affected person is by donating Plasma from recovered patients. With no approved antiviral treatment set up for the deadly COVID-19 infection, plasma medical aid is associate experimental approach to treat COVID positive patients and facilitate them recover quicker. The medical aid, thought of to be safe and promising. If a selected person is absolutely recovered from COVID nineteen, he/she is applicable to gift their plasma. This application can facilitate the user to search out a plasma donor or to gift plasma to assist others to recover. Users will register and login, they will raise requests for plasma donation and supply their valid study of been with success recovered from COVID nineteen. Users can even raise requests for plasma in emergencies.

During this project, we are going to develop an internet application in such how that the after-registration user will value more highly to become donor on application or he will seek for plasma donors and realize donors near them. during this internet application, user can register and log into the applying and might get what they needed in their want of the hour and additionally in different facet it makes to feel happy to donors as {they have|they want} helped somebody UN agency is in need.

MODULES

ADMIN : Admin will login to the system and he will read all the users UN agency are destitute. and examine all donors..

USER : User will register along with his Name, blood type, city, signaling etc. And once registration completed user will login to the system and he will read blood destitute persons or seek for donors if he want.



www.mits.ac.in

RTNSA 2020

First International Virtual Conference on

“Recent Trends in Nanomaterials Synthesis & Applications”

16-18 July 2020

Certificate of Participation

This is to certify that

Viswadevarayalu Annavaram

of

JIANGSU UNIVERSITY

has actively participated at the First International Virtual Conference RTNSA-2020 organized by the Department of Chemistry, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh, India.

Patron & Principal
Prof. C. Yuvaraj

Convenor
Dr. Ashok Kumar Das

Convenor
Dr. Sumanta Sahoo



HSS
①

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ANDHRA PRADESH AND TELANGANA SOCIETY FOR MATHEMATICAL SCIENCES

CERTIFICATE OF PRESENTATION

This is to certify that Dr. K. RAMESH BABU of AITS(Autonomous), Rajampet, Andhra Pradesh has presented a paper entitled "Cross diffusion and multiple slips on MHD Carreau fluid in a suspension of microorganisms over a variable thickness sheet" in the "International Conference on Advances in Science, Engineering & Mathematics (ICASEM 2020)", held on 7th to 9th, August 2020 in virtual mode

Dr.N.Ananda Reddy
Convener

Dr.N.Venkata Chalapathi
General Chair

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ANDHRA PRADESH AND TELANGANA SOCIETY FOR MATHEMATICAL SCIENCES

CERTIFICATE OF PRESENTATION

This is to certify that Dr. V. RAVI KUMAR of AITS(Autonomous), Rajempet has presented a paper entitled "A Mathematical Study on Oscillating Surface Flow of Parabolic Motion Effects on Convective Heat and Mass Transfer with Cross Diffusion" in the "International Conference on Advances in Science, Engineering & Mathematics (ICASEM 2020)", held on 7th to 9th, August 2020 in virtual mode

Dr.N.Ananda Reddy
Convener

Dr.N.Venkata Chalapathi
General Chair

Dr.E.Keshava Reddy
Co-Patron

Dr.S.M.V.Narayana
Patron

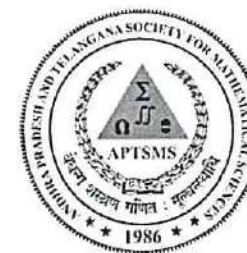
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CERTIFICATE OF PRESENTATION

This is to certify that Dr. B. SREENIVASULU of AITS(Autonomous), Rajempet, Andhra Pradesh has presented a paper entitled "Synthesis and Luminescence Properties of Chemically Synthesized ZnS Nanopowders" in the "International Conference on Advances in Science, Engineering & Mathematics (ICASEM 2020)", held on 7th to 9th, August 2020 in virtual mode

Dr.N.Ananda Reddy
Convener

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General Chair

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CERTIFICATE OF PRESENTATION

This is to certify that Dr. M.UMAMAHESWAR of AIMS, Rajampet, Andhra Pradesh has presented a paper entitled "Parabolic Motion Of Mhd Fluid Flow Past A Vertical Porous Plate With Variable Temperature And Concentration" in the "International Conference on Advances in Science, Engineering & Mathematics (ICASEM 2020)", held on 7th to 9th, August 2020 in online mode

Dr.N.Ananda Reddy
Convener

Dr.N.Venkata Chalapathi
General Chair

Dr.E.Keshava Reddy
Co-Patron

Dr.S.M.V.Narayana
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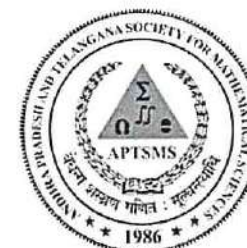
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CERTIFICATE OF PRESENTATION

This is to certify that Dr. P. ROJA of AITS(Autonomous), Rajampet, Andhra Pradesh has presented a paper entitled "Thermal radiation effects on MHD Flow of nanofluid over an exponentially stretching sheet with heat and mass fluxes" in the "International Conference on Advances in Science, Engineering & Mathematics (ICASEM 2020)", held on 7th to 9th, August 2020 in virtual mode

Dr.N.Ananda Reddy
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Dr.N.Venkata Chalapathi
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CERTIFICATE OF PRESENTATION

This is to certify that Dr. P. CHANDRA REDDY of AITs, Rajampet, Andhra Pradesh has presented a paper entitled "Numerical Study On Parabolic Flow Of Mhd Fluid Past A Vertical Plate In Porous Medium" in the "International Conference on Advances in Science, Engineering & Mathematics (ICASEM 2020)", held on 7th to 9th, August 2020 in online mode

Dr.N.Ananda Reddy
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CERTIFICATE OF PRESENTATION

This is to certify that Dr. M. PARVATHI of AITs, Rajampet, Andhra Pradesh has presented a paper entitled "Heat and Mass transfer characteristics of MHD three dimensional flow of nanofluid over a permeable stretching porous sheet" in the "International Conference on Advances in Science, Engineering & Mathematics (ICASEM 2020)", held on 7th to 9th, August 2020 in online mode

Dr.N.Ananda Reddy
Convener

Dr.N.Venkata Chalapathi
General Chair

Dr.E.Keshava Reddy
Co-Patron

Dr.S.M.V.Narayana
Patron

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CERTIFICATE

This is to certify that Mr. S. Mohammed Ghouse, AITS(Autonomous), Rajampet, Andhra Pradesh has organized a paper presentation session at “*International Conference on Advances in Science, Engineering & Mathematics (ICASEM 2020)*”, held on 7th to 9th, August 2020 in virtual mode

Dr.N.Ananda Reddy
Convener

Dr.N.Venkata Chalapathi
General Chair

Dr.E.Keshava Reddy
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CERTIFICATE OF PRESENTATION

This is to certify that Dr. S. HARINATH REDDY of AITs, Rajampet, Andhra Pradesh has presented a paper entitled "Analysis of MHD Flow in Parabolic Motion Under Radiation Absorption and Chemical Reaction" in the "International Conference on Advances in Science, Engineering & Mathematics (ICASEM 2020)", held on 7th to 9th, August 2020 in online mode

Dr.N.Ananda Reddy
Convener

Dr.N.Venkata Chalapathi
General Chair

Dr.E.Keshava Reddy
Co-Patron

Dr.S.M.V.Narayana
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**26TH INTERNATIONAL CONFERENCE (ONLINE)
OF
INTERNATIONAL ACADEMY OF PHYSICAL SCIENCES
(CONIAPS XXVI)**



**On
ADVANCES IN PHYSICS
DECEMBER 18-20, 2020
Organized by
GONDWANA UNIVERSITY, GADCHIROLI
(MAHARASHTRA STATE)**

E-CERTIFICATE

This is to certify that **Dr. BOGGALA SREENIVASULU** of **AIMS , RAJAMPET** has participated in the **26TH INTERNATIONAL CONFERENCE OF INTERNATIONAL ACADEMY OF PHYSICAL SCIENCES** on Advance in Physics held at **Gondwana University, Gadchiroli** during **December 18-20, 2020** and Presented a paper.

Title: Synthesis and Lumenicence properties of chemically synthesized ZnS nanopowders

Prof. P. N. Pandey
General Secretary
IAPS

Dr. Ishwar S. Mohurley
Convener
CONIAPS XXVI

Mr. Sandeep Kage
Organizing Secretar
CONIAPS XXVI



DEPARTMENT OF MATHEMATICS
MAHATMA GANDHI UNIVERSITY (T.S)

XXIX CONGRESS OF APTSMS & NATIONAL CONFERENCE ON MATHEMATICS AND ITS APPLICATIONS (NCMA-2020) (VIRTUAL)

3rd- 5th DECEMBER, 2020

CERTIFICATE

This is to certify that **P. CHANDRA REDDY**, *Assistant Professor*, **AIMS RAJAMPET** has presented a paper on “ **HEAT GENERATION AND COUPLE STRESS EFFECTS ON MAGNETITE WATER BASED NANOFLUID FLOW OVER A STRECHING SHEET** ” in the “XXIX Congress of APTSMS & National Conference on Mathematics and its Applications (NCMA-2020) ” held at the Department of Mathematics, Mahatma Gandhi University, Nalgonda, T.S, during December 3rd - 5th, 2020.

Dr.G.Upender Reddy

Convener, NCMA-2020

Prof.Bharathi

General Secretary, APTSMS

Prof. E.Keshava Reddy

President, APTSMS

Prof. M. Yadagiri

Registrar, MGU

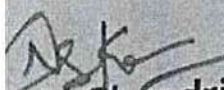


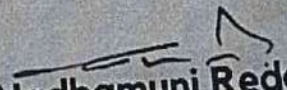
International Conference on
Glass Ceiling: Issues and Challenges
 on Women Career Development
 in Educational Institutions
 March 25 - 27, 2021



CERTIFICATE

This is to certify that Mr./Ms./Dr./Prof. P. Suneetha Naidu, Assistant Professor
 of Annamacharya Institute of Technology & Sciences, Rajampet
 has participated/ presented a paper entitled Hitting the 'Glass Ceiling': Strategies
to Overcome the Invisible Barriers
 in the AICTE sponsored 3 day International Conference on Glass Ceiling: Issues and Challenges on
 Women Career Development in Educational Institutions, held at Annamacharya Institute of
 Technology & Sciences, Tirupati, A.P., India, during 25 -27 March, 2021.


 N. Chandrika


 Dr. C. Nadhamuni Reddy
 Principal



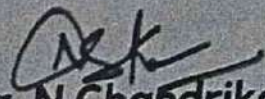
International Conference on
Glass Ceiling: Issues and Challenges
on Women Career Development
in Educational Institutions
March 25 - 27, 2021




CERTIFICATE

This is to certify that Mr/Ms./Dr./Prof. M. Prameena, Assistant Professor
of Annamacharya Institute of Technology & Sciences, Rajampet
has participated/ presented a paper entitled Glass Ceiling: A Hurdle Preventing
Women Career Development

in the AICTE sponsored 3 day International Conference on Glass Ceiling: Issues and Challenges on
Women Career Development in Educational Institutions, held at Annamacharya Institute of
Technology & Sciences, Tirupati, A.P., India, during 25 -27 March, 2021.


Dr. N. Chandrika
ICGC Coordinator


Dr. C. Nadhamuni Reddy
Principal



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FACULTY OF ARTS & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE AND COMPUTER APPLICATIONS
NATIONAL E-CONFERENCE ON ADVANCES IN COMPUTING TECHNOLOGY
NCACT - 2021

CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms. P.KAVITHA , Assistant Professor, Department of MCA , Annamacharya Institute of Technology & Sciences (Autonomous) has Presented a paper titled A Significant Analysis of Call Detail Records with Time Series Forecasting using Tensor Flow in the "National E-Conference on Advances in Computing Technology (NCACT-2021)" Organized by the Department of Computer Science and Computer Applications, Faculty of Arts & Science, BIST, BIHER, Thiruvanchery, Chennai. Tamil Nadu. India held on 08th January 2021.

Mr. SATHISH KUMAR MARIMUTHU
Associate Director
Deloitte Consulting
San Francisco, USA

Dr. A.MUTHUKUMARAVEL
Convenor-NCACT2021
Dean- Arts & Science, BIHER

E-Certificate No. NCACT 044



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FACULTY OF ARTS & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE AND COMPUTER APPLICATIONS
NATIONAL E-CONFERENCE ON ADVANCES IN COMPUTING TECHNOLOGY
NCACT - 2021

CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms. P.KAVITHA , Assistant Professor, Department of MCA, Annamacharya Institute of Technology & Sciences (Autonomous) has Presented a paper titled Efficient Data Encryption Using Cryptographic Hash Features for HealthCare in the "National E-Conference on Advances in Computing Technology (NCACT-2021)" Organized by the Department of Computer Science and Computer Applications, Faculty of Arts & Science, BIST, BIHER, Thiruvanchery, Chennai, Tamil Nadu, India held on 08th January 2021.

Mr . SATHISH KUMAR MARIMUTHU
Associate Director
Deloitte Consulting
San Francisco,USA

Dr. A.MUTHUKUMARAVEL
Convenor-NCACT2021
Dean- Arts & Science, BIHER

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FACULTY OF ARTS & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE AND COMPUTER APPLICATIONS
NATIONAL E-CONFERENCE ON ADVANCES IN COMPUTING TECHNOLOGY
NCACT - 2021

CERTIFICATE OF PARTICIPATION

This is to certify that Dr./Mr./Ms. P.SWATHI , Assistant Professor, Department of MCA, Annamacharya Institute of Technology & Sciences (Autonomous) has Presented a paper titled Efficient Data Encryption Using Cryptographic Hash Features for HealthCare in the "National E-Conference on Advances in Computing Technology (NCACT-2021)" Organized by the Department of Computer Science and Computer Applications, Faculty of Arts & Science, BIST, BIHER, Thiruvanchery, Chennai, Tamil Nadu, India held on 08th January 2021.

Mr . SATHISH KUMAR MARIMUTHU
Associate Director
Deloitte Consulting
San Francisco,USA

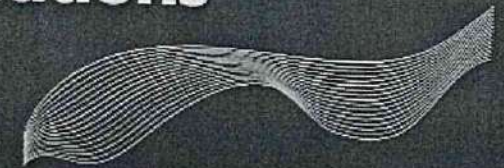
Dr. A.MUTHUKUMARAVEL
Convenor-NCACT2021
Dean- Arts & Science, BIHER

E-Certificate No. NCACT 050

International Conference On Cybernetics, Cognition And Machine Learning Applications

29th-30th August 2020

Goa, India



Congratulations and Gratitude to

Swathi P

for presenting the paper on

**Enhancement of Degraded Images Via Fuzzy
Intensification Model**

General Chair

Conference Secretary