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## 1. Poosappan Yesodha, Marimuthu Bhuvaneshwari, Sivanandam Sivasankaran and Kaliannan Saravanan

### “Convective Heat and Mass Transfer Of Chemically Reacting Nanofluids Under The Influence Of Activation Energy Along With Thermal Radiation.”

Volume 2516, Issue 1  
30 November 2022

RESEARCH ARTICLE | NOVEMBER 30 2022

### Convective heat and mass transfer of chemically reacting nanofluids under the influence of activation energy along with thermal radiation

Poosappan Yesodha; Marimuthu Bhuvaneshwari; Sivanandam Sivasankaran; Kaliannan Saravanan

2ND INTERNATIONAL CONFERENCE ON MATHEMATICAL TECHNIQUES AND APPLICATIONS: ICMTA2021  
24–26 March 2021  
Tanjaliathur, India

The intension of the present research analysis is to explore by theoretical study about the flow of chemically reacting nanofluid above a stretched permeable sheet in rotation. The other effects combined are internal heat generation, activation energy and thermal radiation in a convective heat and mass transport of the system. The impacts of movement caused by Brownian action and thermophoresis which come about have been incorporated. On applying Runge-Kutta method numerical solution was obtained by coupling shooting technique. The study also reports the behaviour of all physical parameters on concentration, temperature and velocity through graphs. Local Sherwood and Nusselt numbers beside with skin friction coefficient are conversed.

## 2. Poosappan Yesodha, Marimuthu Bhuvaneshwari, Sivanandam Sivasankaran and Kaliannan Saravanan

### “Effect of activation energy and slip velocity on convective heat and mass transfer of chemically reacting fluids under convective surface condition”

Home > Recent Advances in Applied Mathematics and Applications to the Dynamics of Fluid Flows > Conference paper

### Effect of Activation Energy and Slip Velocity on Convective Heat and Mass Transfer of Chemically Reacting Fluids Under Convective Surface Condition

Conference paper | First Online: 16 October 2022  
pp 25–38 | Cite this conference paper

Poosappan Yesodha, Marimuthu Bhuvaneshwari, Sivanandam Sivasankaran & Kaliannan Saravanan

Part of the book series: Lecture Notes in Mechanical Engineering ((LNME))

192 Accesses

#### Abstract

The main objective within this content of paper is the study concentrated towards the effect of slip velocity and internal heat generation on convection flow of fluid in a rotating frame. Examination of the characteristics of the viscous fluid in a permeable medium under the transport of mass as well as heat energy in combination with activation energy is done. Inducement on velocity, concentration and temperature by standard parameters slip, rotational, porosity, heat generation, temperature difference is portrayed by graphs and arithmetical results in tabular arrangements. Slip parameter reduces fluid rate and

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### 3. Dr. K. RAJASELVI

#### “Financial Performance of Nilgiris Korakundah Tea LTD. Ooty”

**Shodhasamhita : Journal of Fundamental & Comparative Research**  
Vol. VIII, No. 1(2022) : 2022  
ISSN: 2277-7067

**FINANCIAL PERFORMANCE OF NILGIRIS KORAKUNDAH TEA LTD., OOTY**

S.Balaji Ph.D Research Scholar Department of Commerce Emerald Heights College for Women, Ooty, The Nilgiris - 643004 Tamilnadu, India  
Dr.K.Rajaselvi Associate Professor and Head Department of Commerce Emerald Heights College for Women, Ooty, The Nilgiris - 643004 Tamilnadu, India

There exists an inseparable relationship between finance on one hand and production, marketing and other function on the other. Almost all kinds of business activities directly or indirectly involve the acquisition and use of funds. It draws heavily on "Economics" for its theoretical concepts. In the early half of the 20th century the job of financial management was largely confined to the acquisition of funds. But as business firms continued to expand their markets and became larger and more diversified, greater control of financial operation became highly essential.

Thus the scope of financial management is very wide and it is not merely restricted to raising of capital. It also covers other aspects of financing such as assessing the needs of capital, raising sufficient amount of funds, cost of financing, budgeting, maintaining liquidity, lending and borrowing policies, dividend policy, and so on. The financial manager has to take important decision regarding finance. He must estimate the financial needs of business obtain the necessary finance from different sources and allocate the funds to different departments according to their needs.

Financial planning helps management to avoid wastes by formulating various kinds of policies and procedures. It also ensures closer co-ordination between various function of the business. The basics for financial planning and analysis are the financial information as contained in the financial statement it is essential to know the earning ability of the firm. Hence the first logical step towards financial analysis is the interpretation of financial statement.

**INDUSTRY PROFILE**  
**INTRODUCTION TO THE ORGANIZATION**

Sir Robert Stanes was the founder of UNTE. He arrived in India in 1858, having spent 96 days on a ship named Trafalgar. Still a young boy of 17, Robert Stanes immediately launched himself on a career that was remarkable blend of entrepreneurship and philanthropy. He had been in India 55 years before UNTE was formed, by which time he had already been knighted in recognition of his generous contribution to society. Those 55 years also saw Robert Stanes grow from a diffident boy who had written about his landing in Madras as being "quite an ordeal and somewhat alarming", into a dynamic head of a business empire. Cotton mills, coffee plantations, tea, coffee curing, motor works and tyre retreading made up the diverse interests of his business. He set up and developed the Stanes High School, the city's premier educational institution of its time. The Stanes family subsequently started the Stanes School in Coonoor too. For his contribution to society Robert Stanes was also conferred the title of Kaiser-e-Hind.


Robert Stanes was also a man with a commendable sense of social responsibility. When the City Council for Coimbatore was first formed, he took on the Chairmanship. In 1960, Sri. S. Anantharamakrishnan, father of the present chairman Mr. Sivasailam, bought over the interest of the Stanes family, not only in UNTE, but in a score of other family businesses in Coimbatore and the Nilgiris. UNTE along with other companies from the Stanes stable, became a part of South India's pioneering business conglomerate the Amalgamations Group.

**MILESTONE**

- 1922 UNTE was formed with a capital of Rs.5,00,000
- 1922 Allinda Valley, (along with small bungalow) was bought for Rs.1,00,000.
- 1923 Channraj and Rockland Estate (with small factory) were bought for Rs.1,34,000

### 4. Dr. K. RAJASELVI

#### “Tea Industry in India – Challenges faced by the Tea Product Exporters”



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**TEA INDUSTRY IN INDIA - CHALLENGES FACED BY THE TEA PRODUCT EXPORTERS**

Authored By  
**S.Manikandan**  
Ph.D Research Scholar Department of Commerce Emerald Heights College for Women, Ooty, The Nilgiris - 643004 Tamilnadu, India

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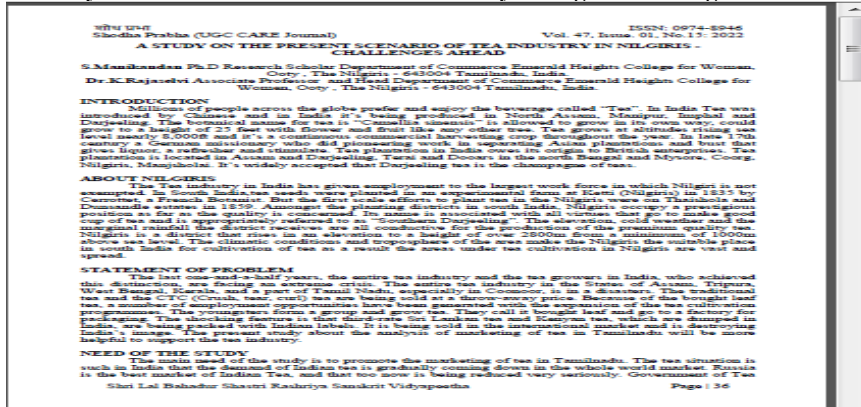


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5. Dr. K. RAJASELVI

## “A Study on the Present Scenario of Tea Industry in Nilgiris Challenges Ahead”



6. Dr. K. RAJASELVI

## “Physical and Financial Performance of tea Factories in the Nilgiris District”





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## 7. Dr. K. RAJASELVI

“An Economic Study on Women Entrepreneurs under Rural Area in Tamil Nadu With Special Reference to Madurai District”

**IJEASM** International Journal of Engineering Applied Science and Management  
ISSN (Online): 2582-5948  
Vol. 3 Issue 12, December 2022

### An Economic Study on Women Entrepreneurs under Rural Area in Tamil Nadu with Special Reference to Madurai District

Dr. K. Szeela<sup>1</sup>, Dr. K. Rajaselvi<sup>2</sup>  
Assistant Professor of Economics, Government Arts College for women – Sivagangai<sup>1</sup>  
Associate professor of commerce, Emerald Heights College for Women, Fingerpost, Ooty<sup>2</sup>

**Abstract:** Women's business person assumes a critical part in India to the wake of globalization and financial progress. Women enterprises are essential ideas for improvement of country regions. Country Entrepreneurship can make new commercial open doors for provincial ladies and add to Generally speaking development and leaving from neediness. Nowadays, women's are ending up socially, financial engaged through producing their own business. Women business visionary assumes an imperative part in India to the wake of globalization and financial Advancement. The women entrepreneurs today are an emancipated lot, a force to reckon with. They are bound to succeed in the files of business with their intrinsic qualities of human relations, perseverance, cash management techniques, working tactics, etc. But the vast majority of them are somewhat skeptical and frightened of the very many problems they are likely to encounter in the course of entrepreneurship. It provides the details of the status of women, motivational factors with regard to their relation of the socio-economic back ground of women entrepreneur. It covers the entrepreneurial performance of women and the various constraints and problems encountered by them at various stages. To evaluate the performance of women entrepreneurs in Madurai District, Tamilnadu 100 women entrepreneurs to be randomly selected from the list obtained from District Industries Centre Madurai. Total populations were selected for primary data collection by adopting a simple random sampling method. Business sectors for the study was beauty parlors, tailoring, medical stores, and grocery shops. The data to be collected from primary and secondary sources is to be analyzed with the help of some statistical tools like average techniques etc. The socio-economic characteristics of respondents were analyzed and shown in the above table. It is obvious from the results that 80% of the respondents were side in a rural area, and 20% of the respondents were side in an urban area.

**Keywords:** Women Entrepreneurship, Development Tamilnadu, Business, Government.

#### 1. Introduction

The word entrepreneur is a highly respected one which determines the state of an economy. The development or under development of an economy is the reflection of the state of entrepreneur in the society. Women have some strong desirable qualities relevant to business as an entrepreneur, such as their ability to manage details, dedication to the work they take up, behaviors and the maintenance of quality of work. Women's businessperson assumes a critical part in India to the wake of globalization and financial progress. Women enterprises are essential ideas for improvement of country regions. Country Entrepreneurship can make new commercial open doors for provincial ladies and add to Generally speaking development and leaving from neediness. Nowadays, women's are ending up socially, financial engaged through producing their own business. Women business visionary assumes an imperative part in India to the wake of globalization and financial Advancement.

#### 2. Review of the Literature

Raju and Bhavanoswar, (2014) Concentrate on Rural Entrepreneurship in Sivagangai District to being arranged, and it manages issues, capacities, needs, how to create business in-country business enterprises. In this circumstance, analyst centers on recognizing the

Paper ID: 2022IJEASMS/2022/1796

## 8. Dr. K. RAJASELVI

“Measure Job Satisfaction Among School Teachers using Herzbergs Theory”

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### MEASURE JOB SATISFACTION AMONG SCHOOL TEACHERS USING HERZBERG'S THEORY

Authored By

**Dr. K. RAJASELVI**  
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## 9. Dr.S.P.Reshma

### “An Inventory Model with Logarithmic Demand and Degradation over Season in Fuzzy Sense”

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### An Inventory Model with Logarithmic Demand and Degradation over Season in Fuzzy Sense

**1K.Geetha, <sup>2</sup>S.P.Reshma**  
<sup>1,2</sup>Department of Mathematics, Emerald Heights College for Women, Udagamandalam, The Nilgiris, Tamil Nadu, India.

**Received:** 2022 March 15; **Revised:** 2022 April 20; **Accepted:** 2022 May 10.

**Abstract.** In this work we have studied an backlog model for damaged products with logarithmic stipulation rate for the optimal stock of commodities which may be either constant or vary with time. This paradigmatic is developed to find the fuzzy total cost of the inventory system so as to get the lower expenditure. Time dependent deterioration of time is considered. For defuzzification the proposed model is dealt with heptagonal fuzzy numbers .Numeric

## 10. Dr.S.P.Reshma

### “An Analysis on Fuzzy Inventory Model without Deficits using Decagonal Fuzzy numbers”

Home / Archives / Vol. 13 No. 2 (2022) / Articles

### An Analysis on Fuzzy Inventory Model without Deficits Using Decagonal Fuzzy Numbers

**K.Geetha, S.P.Reshma**

[PDF](#)

**Abstract**

This paper proposes a fuzzy economic order quantity and fuzzy optimum total cost for the suggested supply model. Carrying cost and Setup cost are considered in Decagonal fuzzy number . The objective of this study is to select a suitable defuzzification method to obtain the optimum ordering size and effective entire expenditure .

Issue

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## 11. Dr.S.P.Reshma



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## “Accurate Independent[1,2]-Domination in Graphs”

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Malaya Journal of Matematik, Vol. 5, No. 1, 203-205, 2021  
<https://doi.org/10.26637/MJMS2101/0042>

### Accurate [1, 2] – domination in graphs

T. Sathish<sup>1</sup> and S. P. Reshma<sup>2</sup>

**Abstract**  
ABSTRACT A vertex set  $S \subseteq V(G)$  is a [1,2]-dominating set, if each vertex  $v \in V \setminus S, v$  is adjacent to at least one vertices in  $S$  and not more than two vertices in  $S$ . The minimum cardinality of a [1,2]- set of  $G$ , denoted by  $\gamma_{[1,2]}(G)$  is called the [1,2]- domination number of  $G$ . A [1,2]- dominating set  $S$  of a graph  $G = (V, E)$  is an accurate [1,2]- dominating set, if  $V - S$  has no [1,2]- dominating set of cardinality  $|S|$ . The accurate [1,2]- domination number  $\gamma_{[1,2],\mu}(G)$  of  $G$  is the minimum cardinality of an accurate [1,2]- dominating set. In this paper, we investigate some bounds for  $\gamma_{[1,2],\mu}(G)$  and its relationship with other domination parameters.

**Keywords**  
Graph, domination number, accurate domination number.

<sup>1,2</sup>Department of Mathematics, Emerald Heights College for Women, The Nilgiris-643006, Tamil Nadu, India.

## 12. Priyanka. M.K

### “Familial Ties and Attachment patterns in the select novels of Anne Tyler”

CERTIFICATE OF PUBLICATION

Article Entitled  
FAMILIAL TIES AND ATTACHMENT PATTERNS IN THE SELECT NOVELS OF ANNE TYLER.

Authored By  
Mrs. M. K. Priyanka  
Ph.D. Research Scholar in English Sri GVG. Visalakshi College for Women Udumalpet- 642128

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## 13. Dr. R. Ananthi Lakshmi



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## “Enhanced Bat Optimization Algorithm and Low Latency Fault Tolerance Model for Efficient Resource Allocation in Grid Computing”

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## Enhanced Bat Optimization Algorithm and Low Latency Fault Tolerance Model for Efficient Resource Allocation in Grid Computing


R. Ananthi Lakshmi<sup>1</sup>, Dr. S. Vidhya<sup>2</sup>

<sup>1</sup>PhD Scholar Department of Computer Science KG College of Arts and Science Coimbatore.  
<sup>2</sup>Assistant Professor Department of Information Technology KG College of Arts and Science Coimbatore

**Abstract** - Effectual allocation of resources with fault tolerance is one of the important targets in any computational grid environment to accomplish the task execution on time. In the existing system, computational complexity and error rates are still an issue. Also the requirements and grid services are not satisfied

Grid computing, in which a network of computers is integrated to create a very fast virtual computer, is becoming ever more prevalent. It is the future computing paradigm for enterprise applications. Large scale grids are complex systems, composed of thousands of components belonging to disjointed

### 14. Dr. R. Ananthi Lakshmi “Efficient Load Balancing and Optimal Resource Allocation using Hybrid Genetic Algorithm with Firefly Optimization Algorithm”

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**RESEARCH ARTICLE**

## Efficient Load Balancing and Optimal Resource Allocation using Hybrid Genetic Algorithm with Firefly Optimization Algorithm

R. Ananthi Lakshmi\* and S. Vidhya<sup>2</sup>

<sup>1</sup>Research Scholar, Department of Computer Science, KG College of Arts and Science, Coimbatore, Tamil Nadu, India.  
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15. **Dr. R. Ananthi Lakshmi**

**“Resource Allocation Management And NodeLevel Fault Tolerance Using Adaptive Particle Swarm Optimization And First Fit Heuristic Algorithm Over Grid Computing”**

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- Volume 11, Issue 4, July – August 2022 ISSN 2278-6856  
- Article Title: **Resource Allocation Management And Node-Level Fault Tolerance Using Adaptive Particle Swarm Optimization And First Fit Heuristic Algorithm Over Grid Computing**  
- Authors: **R.Ananthi Lakshmi<sup>1</sup>, Dr.S.Vidhya<sup>2</sup>**  
- Affiliations:  
 <sup>1</sup>Research Scholar, Department Of Computer Science  
 KG College Of Arts And Science Coimbatore.  
 <sup>2</sup>Assistant Professor, Department Of Information Technology  
 KG College Of Arts And Science, Coimbatore  
- Abstract:  
 *Grid Computing Systems, with their focus on Creative applications, high-performance orientation and large-scale resource sharing, have emerged as a significant new field. One of the important goals in any computational grid environment is*  
- Main Text:  
 scientific issues. The technology's primary goal is to share unused and dispersed resources, including storage capacity and computational power. Data and computational grids are described as a combination of software and hardware infrastructure that provides low-cost, pervasive and reliable access to high-performance computing resource[1]. A data grid is a collection of large datasets that are primarily used



  
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