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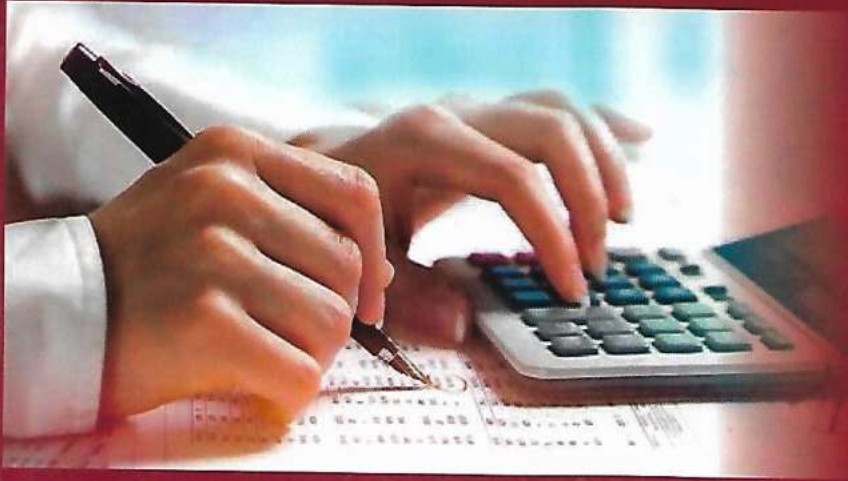
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2	Dr.N.Ammakutti @ Sridevi	-	Magnetic properties on chemically synthesized pure and tin doped vanadium oxide nanoparticles	Applications and Development of Advanced Materials (ADAM 2020)
3	R.Pappathi	-	Triangular mean labelling of union of some Graphs	National Conference on Recent Trends in Graphs(NCRTG-2K20)
4	Mrs.C.Jeya Gowri	-	Consumer Perception Towards Junk Food	Proceedings of the national seminar on "EAT RIGHT INDIA"
5	Mrs. P .Parvathy	-	A Study on entrepreneurial attitude among commerce Students of Arts and Science Students	A two day international conference on consortium for business, marketing and management
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APPLICATIONS & DEVELOPMENT OF ADVANCED MATERIALS

Editor

Dr. P. Sumithraj Premkumar



PG and Research Department of Physics
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II National Seminar on
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ADVANCED MATERIALS
(ADAM – 2020)

20.10.2020

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CONTENTS

Sl. No	Title of the Paper	Page No
Invited talks		
1	Metal Organic Framework (MOF)-Aerogel Composites (MOFACs): A New Class of Hybrid Materials for Energy Applications <i>X. Sahaya Shajan</i>	1
2	Materials for Artificial Photosynthesis <i>E. M. Mothi</i>	3
Contributed Papers		
3	Magnetic properties on chemically synthesized pure and tin doped vanadium oxide nanoparticles <i>M. Uma Maheswari, Nadar Jebamerlin Selvaraj Janaki, N. Ammakutti @ Sridevi and P. Sumithraj Premkumar</i>	5
4	Photocatalytic properties of electron beam evaporated and spin coated Titania thin films <i>R. Lavanya and V. Vasu</i>	14
5	Synthesis, Characterization and Photocatalytic Activity of $Zn_{0.98}Ni_{0.02}O$ Nanoparticles <i>R. Sarathi and S. Meenakshi Sundar</i>	24
6	Structural and Optical studies of copper sulphide nanoparticles synthesized by new route chemical precipitation method <i>P. M. Shyly</i>	29

Magnetic properties on chemically synthesized pure and tin doped vanadium oxide nanoparticles

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N. Ammakutti @ Sridevi² and P. Sumithraj Premkumar¹

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ABSTRACT

Pure and tin doped vanadium oxide nanoparticles were synthesized by simple chemical route method. The concentrations of dopant used in the present work were 2.5, 5 and 7.5 wt%. The prepared pure and tin doped vanadium oxide nanoparticles were characterized by powder x-ray diffraction, and vibrating sample magnetometer. The grain size of all the samples was determined from the x-ray diffraction results and it belongs to nano meter scale. The lattice parameters of pure and tin doped vanadium oxide nanoparticles were determined. The magnetic property of the pure and tin doped vanadium oxide nanoparticles was determined and the details were presented.



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CONTENTS

PRONIC PRODUCT CORDIAL LABELING OF PATH RELATED GRAPHS S. Anusuya, Dr. S. Shenbaga Devi	1 - 7
MORE ON GS*B-CLOSED SETS IN TOPOLOGICAL SPACES K. Japhia Tino Mercy, S. Shenbaga Devi	8 - 15
\tilde{g} (1,2)*-DENSE SETS AND \tilde{g} (1,2)*-SUBMAXIMAL SPACES IN TOPOLOGICAL SPACES E.Dulcy Jeba Mary, Ezil Jeba, T.Pon Selva Kohila, Sujatha sarathi	16 - 20
ON THE FANGLED FORM OF μ_ψ^+-CONTINUITY IN THE CEILING OF SIMPLE EXTENDED TOPOLOGICAL SPACES M.Dhanalakshmi, K.Alli	21 - 28
SCHEDULING A TRAVELING TOURNAMENT PROBLEM USING EDGE DOMINATION H.M. Sulthan Ahthar	29 - 36
AN INTUITIONISTIC APPROACH TO AN INVENTORY MODEL WITH BACKORDERS USING TRAPEZOIDAL INTUITIONISTIC FUZZY NUMBERS AND THE RANKING METHOD OF TRAPEZOIDAL INTUITIONISTIC FUZZY NUMBERS S. Arulraj, M. Priskillal	37 - 45
SCOPE OF GRAPH THEORY IN BIOMETRIC AUTHENTICATION AND GRAPHOLOGY W. Evangeline Lydia, I. Gnana Selvi	46 - 52
A STUDY ON INTERSECTION POWER GRAPH OF FINITE GROUPS S. Syed Ali Fathima, M. Aysha Aproz	53 - 58
COMPUTATION ON ENERGY OF MOLECULAR GRAPHS A. Rizwana, M. Mohamed Ismail	59 - 63
CONNECTED r_m-DISTANCE MONOPHONIC NUMBER OF A GRAPH A. Anto Kinsley, M. Shanthi	64 - 71
TRIANGULAR MEAN LABELING OF UNION OF SOME GRAPHS R. Pappathi, M.P. Syed Ali Nisaya	72 - 77

TRIANGULAR MEAN LABELING OF UNION OF SOME GRAPHS

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Abstract

Let G be a graph with p vertices and q edges. A triangular mean labeling is an injective function f from $V(G)$ to the set $\{0, 1, 2, \dots, T_q\}$, where T_q is the q^{th} triangular number that induces for each edge uv , the label $f^*(uv) = \left\lfloor \frac{f(u)+f(v)}{2} \right\rfloor$ such that the set of edge labels is $\{T_1, T_2, \dots, T_q\}$. A graph which admits such labeling is called a triangular mean graph. In this paper, we prove that $C_6 \cup P_n$ where n is even, $C_6 \cup P_n^+$, $nK_2, P_m \cup P_n^+$ and $P_m^+ \cup P_n^+$ are triangular mean graphs.

Keywords: Triangular numbers, Triangular mean labeling, Triangular mean graph.

1. Introduction

The graphs considered in this paper are finite, undirected and without loops or multiple edges. Let $G = (V, E)$ be a graph with p vertices and q edges. Terms not defined here are used in the sense of Harary [3]. For number theoretic terminology [1] is followed. A graph labeling is an assignment of integers to the vertices or the edges or both subject to certain conditions. If the domain of the mapping is a set of vertices (edges/both) then the labeling is called a vertex (edge /total) labeling. A dynamic survey of graph labeling is regularly updated by Gallian [2] and it is published by Electronic Journal of Combinatorics. The concept of triangular mean labeling of graphs was introduced by S.Somasundaram and R.Ponraj [5]. M.Seenivasan, A.Lourdusamy and M.Ravi Ramasubramanian [4] introduced triangular mean labeling of graphs.

2. Preliminaries

Definition 2.1: A path on n vertices is denoted by P_n .

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13.	A Study on Consumer Attitude towards Processed Convenience Food in Tirunelveli District - Dr.S.DANIEL DAVID ANNARAJ and Ms.R.VALARMATHI	61-6
14.	Consumer's Perception towards Organic Food Products - Dr.S.DANI ROMAN SINGH and Mr.P.STANLEY DAVID PITCHAI	66-6
15.	A Study on Impact of Junk Food among Children's in Tirunelveli City - Ms.M.DHANA LAKSHMI and Dr.R.MUTHU LAKSHMI	69-7
16.	Food Adulteration - An Overview - Dr.J.ELIZABETH VIJAYA, Dr.V.C.JEYA RADHA and Dr.K.SUDHA	73-7
17.	Consumer Perception towards Junk Food - Ms.C.JEYA GOWRI and Dr.S.DANI ROMAN SINGH	76-8
18.	Knowledge and Practices of Food Handlers: It's Impact on Health of Consumers. A Study with Special Reference to Food Borne Diseases - Dr.V.C.JEYARATHA, Dr.J.ELIZABETH VIJAYA, Dr.K.SUDHA and Dr.S.RAMESH KUMAR	82-8
19.	A Study on Awareness of Food Adulteration among Consumers in Tirunelveli District - Dr.N.KAMALA and Ms.S.ARUMUGA SELVI	89-9
20.	A Study on Impact of Food Safety and Practices in Tirunelveli City - Dr.N.KAMALA and M. CHANDRA	95-9
21.	Consumer Attitude towards Organic Food Products in Tirunelveli City - Dr.N.KAMALA and Ms.S.JOHITHA SHIYAMLI	100-10
22.	A Study on Impact of Fast Food with Special Reference to Tuticorin - Dr.N.KAMALA and Ms.M.MAHESWARI	105-10
23.	Role of Social Media Usage on Brand Choice - Mr.G.KARTHIK	109-11
24.	Attitude of the Customers towards Readymade Jewels in Sivakasi - Dr.B.MAHESWARI	116-12
25.	A Study on Agriculture Level in India and Natural Food and Present Status of Food Processing Industry in India - Mr.S.MANIKANDAN and R.THANGAMANI	124-12
26.	The Habitual Disease - Dental Caries: A Budding Issue - Ms.S.MOHAMED RAMLATH SABURA, Ms.S.MUTHALAGI and Ms.M.I.DELIGHTA MANO JOYCE	134-13

CONSUMER PERCEPTION TOWARDS JUNK FOOD

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ABSTRACT

The consumption pattern of rural India with regard to junk food was indeed changing and the rural masses were changing over the traditional food as compared to junk food. Consumer perception on junk food explains how a consumer ranks a pizza, burger or prefers one food item over another. Now a day, so many varieties of junk food in the market such as beef burger, French fries, coco cola, and potato chips and so on. Today junk food has become a vital daily usage which no one can avoid. The usage differs according to age, sex, income, culture, and different models, different taste, different customer's style, and different volume, and different smell, different varieties of product which are available in the present market. This study represents the Consumer perception towards Junk food.

Keywords: Awareness, Junk food, Calories, fat, perception.

INTRODUCTION

Junk food refers to Junk food, which are easy to make and easy to consume. They are low in nutritional value and have only lying fat in it causing ill effect on the health of consumer. The term 'Junk food' was coined by Michael Jacobson, director of Center for Science in 1972 in the public interest who wanted to raise public attention about the issue of foods with a high calorie value and a low nutritional value. Junk food contains high level of refined sugar, white flour, trans fat, polyunsaturated fat salt and numerous food additive such as monosodium glutamate (MSG) and tartrazine, and lacking in protein, vitamin and fiber. Junk food is popular because of their simplicity of manufacture, consumes, their taste and has a long shelf life which may not require refrigeration. In the united kingdom the food standards agency do not use the term 'junk food' and describe food 'HFSS' (high fat, sugar or salt). They state that has foods can form part of a balanced diet, but research show that children diet contain too much fat (especially trans fat) salt and sugar. Americans eat the most Junk food, but the Japanese spend the most on take away (home delivery) according to a research conducted by Euro-monitor International. The high level of per capita consumption demonstrates the importance of Junk food in life style in these countries. Burger dominates the US Junk food industry as it taking more than half of total junk food expenditure.

STATEMENT OF THE PROBLEM

Now a day, consumers are the king of the market and consumers affect market with their activities because consumer has ability to coordinate their choice of spending or saving in their purchase decision. Attitude of consumer can affect the purchasing decision of them.

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62.	CONSUMERS' AWARENESS AND ATTITUDE TOWARDS GREEN PRODUCTS IN TIRUNELVELI TALUK	G.S.Dhanashree Dr.K.Viswa Sarojini Devi
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76.	RETAIL PENETRATION LEVEL OF AIRTEL PREPAID CARDS IN PALAYAMKOTTAL.	Dr. T. Samson Joe Dhinakaran S. Alamelu Mangai
77.	PROBLEMS FACED BY SMALL SCALE WOMEN ENTREPRENEURS: SPECIAL REFERENCE TO ALAYADIVEMBU DIVISIONAL SECRETARIAT	Ms. R. Maury

A STUDY ON ENTREPRENEURIAL ATTITUDE AMONG COMMERCE STUDENTS OF ARTS AND SCIENCE COLLEGES IN TIRUNELVELI DISTRICT

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ABSTRACT

Entrepreneurship has become an everyday buzzword. Policymakers, Economists, academics and even students are talking about it. Seminars, Conferences and Workshops are being organised every year across the world which emphasised on the importance of entrepreneurship to country, society as well as individual development. Today entrepreneurship is regarded as area of the best economic growth and sustain the country's competitiveness is facing the increasing trends of globalisation. Entrepreneurship is largely due to the positive effects it has in many countries as a catalyst that creates wealth and generation of job opportunities. Courses in entrepreneurship are also becoming a popular at college and university levels an exponential interest in entrepreneurship studies has increased among students over the last decade. In today's competitive job environment total job opportunities are inevitably limited and there are must compete to secure a job as supply of jobs is limited. As a result, many graduates are unable to get a job after graduation so we have to become self-sustainable. This self sustainability can be possible through entrepreneurship. This present study is an attempt to evaluate the entrepreneurial attitude among commerce students of arts and science colleges in Tirunelveli District. The study was conducted among 220 students who are pursuing their UG commerce degree in various arts & science colleges in Tirunelveli district. The study will help university programme instructor in designing and enhancing entrepreneurship course structure, subjects offering as to proactive and practical oriented with the aim of sustaining student's interest in entrepreneurship.

Keywords: Entrepreneurship, Entrepreneurial attitude, career



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23	Some New Spaces in Nano Topological Spaces N.Revathi, D.Premalatha	12
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25	Higher separation axioms via sgbsb*-open sets P.Selvan, and K. Bageerathi	14
26	On β' – closed set in m-structure space Jessie Theodore and V. Beulah	14
27	A Study on the G.D Condition, Supper Solvability, Pseudo Complemented and Consistency of the Subgroup Lattice of 3x3 Matrices Z_2 A.Vethamanickam, V.Durai murugan	14
28	The Connected Double Total Monophonic Number of a graph V.K. KalaiVani P. Arul Paul Sudhahar	15
29	Solving the System of Graph Differential Equations in Prey Predator Model B.Vembu, Dr.S.Loghambal	15
30	An Analogy of Various Labeling of Some Graphs J.EbiSujitha, J.Golden Ebenezer Jebamani, D.Premalatha	16
31	Topological Sorting on Data Serialization P.Haritha	16
32	Best Proximity Point Theorems for Relatively Isometry Mappings S. Jamal Fathima	16
33	Skolem Mean Labeling of Ten Star Graphs S. Alice Pappa, B. Belsiya	17
34	A Study on Rainfall Prediction Using Fuzzy Logic Model S.Santha and M. K. Brindha Devi	17
35	Radio Mean Labeling on Degree Splitting of Graphs C. David Raj, M. Deva Saroja, Brindha Mary.V. T	18
36	Scope of Graph Theory in Biometric Authentication W. Evangeline Lydia	18
37	Edge Geodetic Perfect Domination Number of a Graph A. Ajitha ,R.Abila, J. L. Linchu Dhas	19
38	Application of Linear Programming Problem in Aero Garments M. Manisha and M.Anitha	19
39	More Functions Associated with <i>ggrb</i>-Closed Space B. Sorna Praba	20
40	A Study on Covering Sets of Posets A.Vethamanickam and K.M.Thirunavukkarasu	20
41	A New Type of Nano Generalised Closed Sets in Nano Topological Spaces K.Dass and R.Uma Mageshwari	21
42	Geometry of Boussinesq's equation, Lenard relations and applications S.Subbulakshmi	21

The Connected Double Total Monophonic Number of a graph

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Abstract: For a connected graph G of order n , a connected double total monophonic set of G is a double total monophonic set M such that the subgraph $G[M]$ induced by M is connected. The minimum cardinality of a connected double total monophonic set of G is the connected double total monophonic number of G and is denoted by $dm_{ct}(G)$. Some general properties satisfied by connected double total monophonic sets are discussed. The connected double total monophonic number of some standard graphs are obtained. It is shown that for every pair of integers a, b and n such that $3 \leq a < b \leq n$, then there exists a connected graph G of order n such that $dm(G) = a$ and $dm_{ct}(G) = b$.

Keywords: Double total monophonic set, double total monophonic number, connected double total monophonic set, connected double total monophonic number.

Solving the System of Graph Differential Equations in Prey Predator Model

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Abstract: In this paper, we introduce new concepts like a pseudo simple graph, product of two graphs and obtain a sufficient condition which will guarantee that the solution of the IVP of a graph differential equations has the same nature as its graph of initial conditions. Further, we formulate a matrix differential equation for the famous prey predator model and later extend it to three species and N -species. As long as the rate of change of the species X_i is proportional to linear interactions between itself and X_j species it will be possible to obtain a linear graph differential equations.

Key Words and Phrases: Simple Graph, Pseudo simple graph, product of graphs, graph differential equation and prey predator model.

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