

**Bhimthadi Education Society's
Late K.G.KATARIA COLLEGE, DAUND**

Tal-Daund , Dist-Pune -413801

(Id No.PU/PN/SC/140/1999)

(Science & Arts and Commerce College)



www.kgkcd.in

kgkatariacollege@rediffmail.com

Dr. Samudra Subhasha
Principal) Mob-9890243602

O.No: -kgkcd/ 2022/23

Date: / /

3.3.2: Number of books and chapters in edited volumes/books published and papers published in national/international conference proceedings per teacher during last five years.

Sr. No.	Name of the Teacher	Title of Book/chapter	Title of the proceedings of the conference	Name of the conference	National/International	Year of Publication	ISBN no.
1	Samudra S. M.	Ethnobotany & Medicinal Plant			National	2018	
2	Lohagaonkar J. H.		Economic Development Impacts of Universities: A Review	International Conference on Sustainable Development Through Social, Science, Management, Smart Education, Agriculture, Technologies and Advanced Engineering Applications in Global Environment	International	2019	978-93-88746-01-4
3	Samudra S. M.	Ecology and Ecosystems			National	2020	978-81-948359-5-0
4	Nadgauda N. N.	Earning Opportunities in Stock Market with special reference to Lock-Down Period			National	2021	978-93-91284-02-2

**Coordinator
IQAC**

Late. K.G.Kataria College Daund,
Tal.Daund.Dist-Pune.



PRINCIPAL

Bhimthadi Education Society's
Late. K.G. Kataria College, Daund,
Tal-Daund, Dist-Pune-413801.



Ethnobotany & Medicinal Plant

Dr. S. M. Samudra



ISBN : 978-93-84478-80-3

Book Ethnobotany & Medicinal Plant
Author Dr S.M. Samudra
Publisher **ROLI PRAKASHAN**
C, 449, Gujani, Kanpur - 22
Ph.: (0512) 2285003
Mo.: 09415133173
Website: www.roliprakashankanpur.com
E-mail : roliprakashan.kanpur@gmail.com

Price ₹ 1195/-
Edition **First 2018**
Graphics **SHIKHA GRAPHICS**
Juhi, Kanpur
Printer **SHREE POOJA OFFSET**
Naubasta, Kanpur
Binder **TABARAQ ALI**



INTRODUCTION

Knowledge of plants has been closely linked to power of healing from the time of earliest sign of civilization. Ethnobotany deals with the direct traditional and natural relationship between human societies and plant habit and habitats.

Ethnobotany has been recognized as a multidisciplinary science comparing many interesting and useful aspects of plant sciences, history, anthropology, culture and literature. Its importance has been realized chiefly in respect of the varied and ever expanding economic significance of plants among the human societies.

It brings to light numerous little known or wider usages. It also has relevance in conservation of genetics resources.

Powers (1875) used the term "aboriginal botany" for the same science. Ethnobotany was defined as "a study and evaluation of the knowledge of all phases of life amongst primitive societies and of the effect of vegetal environment up on the life, customs, beliefs and history of people of such societies." Harshberger (1895) for the first time used the term ethnobotany to indicate plants used by the aborigines.

Schultes (1962) point out that is science that requires interdisciplinary approach.

Finally it was defined "a study of relationship between man and his ambient vegetation.

Vestel and schultes (1939) considered ethnobotany as a synonymous of economic botany. Ethnobotany was confined to the study of interrelationship of primitive man and plants.

Casletter (1944) further defined ethnobotany as a study of

Index

1. Introduction
2. Review of Literature
3. Material and Methods
4. Observations
5. Result and Discussion
Conclusion

- 7-30
- 31-38
- 39-48
- 49-272
- 273-308
- 309-312





Ethnobotany & Medicinal Plant

Dr. S. M. Samudra



International Conference

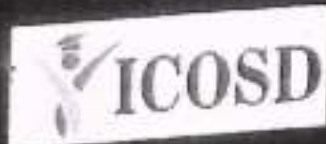
On

Sustainable Development Through Social, Science,
Management, Smart Education, Agriculture Technologies &
Advanced Engineering Applications in Global Environment

Organized By

OM Kothari Group of Institutions, Kota Rajasthan

23-24 February 2019



PROCEEDING

Organised by



In Association With



Research Foundation of India
रिसर्च फाउंडेशन ऑफ इंडिया

Editors

Amit Singh Rathore

N. P. Gandhi



13TH INTERNATIONAL CONFERENCE

On

“Sustainable Development through
Social, Science, Management, Smart
Education, Agriculture Technologies &
Advanced Engineering Application in
Global Environment”
(ICOSD-2019)

Date: 23-24 February 2019

Venue: Om Kothari Institute of Management
& Research, Kota, India

 **JRF** *International
Book
Publication*



First Edition, 2019

Price: 590/-

Size: A4

ISBN : 978-93-88746-01-4

Copyrights © 2019

All rights reserved. No part of this book may be reproduced in any form, by any electronic or mechanical means without the written permission from the editor and the concerned authors.



Publisher:

Publisher & Editor in Chief, JRF under Research Foundation (registered under the government of India society acts, 1973), India

Web: <http://jrpublication.springer.co.in>

Year: 2019

Publisher's address:

JRF Corporate Office, K 185, Ground Floor, Sarita Vihar, New Delhi, India - 110076.



Acknowledgement

I would like to express my sincere gratitude to all the authors, researchers and reviewers, who provided their detail research and views for (ICOSD-2019).

I would like to thank my family, who supported and encouraged me in the end of all the time it took me away from them. This conference could see the light due to generous support from the WTST.

The attendees and beneficiaries vary from academicians, professional researchers and scientists, to an undergraduate and graduate students from all over



2019-178	Dr. Smt Anita Lubana	BIODIVERSITY
2019-179	Tok Swapnil Sukhasrao Dr. B.P.Jinturkar	A REVIEW ON R FACTOR TRANSFER IN RHIZOBIUM
2019-179	Dr. Gorgle V.T. Dr. B.P.Jinturkar	ENVIRONMENTAL ISSUES WITH THE MOLECULAR AND GENETIC CHARACTERIZATION OF SECOND CHROMOSOME
2019-180	Mude A.V.	FLORISTIC DIVERSITY AND IMPORTANT VALUE INDICES OF TREE SPECIES : A CASE STUDY
2019-181	Birari Umadi Keshavrao	AN ANALYSIS OF WIRELESS MESH NETWORK USING ADAPTIVE INFORMANT FACTOR
2019-182	Birari Umadi Keshavrao	AN STUDY ON FACE AND FINGERPRINT FUSION SYSTEM FOR IDENTITY AUTHENTICATION
2019-183	Keshav Laxman Jadhav	CONDITIONS OF POSSIBILITY FOR GEOGRAPHIC THINKING: CHALLENGES AND ISSUES
2019-184	Devidas Vnanaji Rautal	A SURVEY AND STUDY ON INFLUENCE OF GAMMA IRRADIATION AND ER3+ SUBSTITUTION
2019-185	Rahul Kadam	SUSTAINABILITY OF INTERNATIONAL POLITICAL SYSTEMS IN INDIA: A CASE STUDY
2019-186	Dr. Lohaganakar Jayashree Hanumantrao	ECONOMIC DEVELOPMENT IMPACTS OF UNIVERSITIES: A REVIEW
2019-187	Ujagare Pramod Keshav	STUDY ON SOCIAL DISAPPROVAL IN MULK RAJ ANAND'S : REVIEW
2019-188	Nadagnuda Namrata Narsinha	CONCEPTS OF GENERALIZED NEGATIVE BINOMIA DISTRIBUTION
2019-189	Jadhav Vaishali Duyareswar	THE BRITISH RAJ AND INDIA: BRITISH COLONIAL INFLUENCE: 1612 - 1948





ECOLOGY AND ECOSYSTEMS

Dr. S. M. Samudra



Ecology and Ecosystems

Dr. S. M. Samudra

VIDYA PRAKASHAN

C, 449, Gujani, Kanpur - 22



ISBN 978-81-948359-5-0

Book Ecology and Ecosystems

Author Dr. S. M. Samudra

Publisher VIDYA PRAKASHAN

C, 449, Gujani, Kanpur - 22

Ph.: (0512) 2285003

Mo.: 09415133173

Website: www.vidyaprakashankanpur.com

E-mail : vidyaprakashan.knp@gmail.com

Price ₹ 1095/-

Edition First 2020

Graphics SHIKHA GRAPHICS

Kanpur

Printer ANIKA DIGITAL

Kanpur



Chapter 1 Introduction

Ecosystem ecology is the integrated study of living (biotic) and non-living (abiotic) components of ecosystems and their interactions within an ecosystem framework. This science examines how ecosystems work and relates this to their components such as chemicals, bedrock, soil, plants, and animals.

Ecosystem ecology examines physical and biological structures and examines how these ecosystem characteristics interact with each other. Ultimately, this helps us understand how to maintain high quality water and economically viable commodity production. A major focus of ecosystem ecology is on functional processes, ecological mechanisms that maintain the structure and services produced by ecosystems. These include primary productivity (production of biomass), decomposition, and trophic interactions.

Studies of ecosystem function have greatly improved human understanding of sustainable production of forage, fiber, fuel, and provision of water. Functional processes are mediated by regional-to-local level climate, disturbance, and management. Thus ecosystem ecology provides a powerful framework for identifying ecological mechanisms that interact with global environmental problems, especially global warming and degradation of surface water.

- This example demonstrates several important aspects of ecosystems:
1. Ecosystem boundaries are often nebulous and may fluctuate in time
 2. Organisms within ecosystems are dependent on ecosystem level biological and physical processes
 3. Adjacent ecosystems closely interact and often are interdependent for maintenance of community structure and functional processes that maintain productivity and biodiversity

These characteristics also introduce practical problems into natural resource management. Who will manage which ecosystem? Will timber cutting in the

Contents

<i>Preface</i>	
1. Introduction	1
2. What is an Ecosystem?	7
3. Ecology and Evolution of Constructed Ecosystems as Green Infrastructure	19
4. Environment, Ecology and Man	34
5. Ecological Principles and Function of Natural Ecosystems	67
6. World Ecosystem and Geography	137
7. Ecology & Nature Conservation	141
8. Equity and the Conservation of Global Ecosystem Services	181
9. Ecosystem – Current Challenges and Opportunities	208
<i>Bibliography</i>	228
<i>Index</i>	231





Dr. S. M. Samudra

M.Sc. Botany, M.Phil, Ph.D., L.L.B. (App), is Assistant Professor, Department of Botany at Bhimthadi Education Society's, Late K.G. Katariya College, Daund, Pune.

He Possesses teaching experiences of 10 years. He has published 10 research papers in widely esteemed journals of National & International repute. He has been activity engaged in competitive examination guidance.

Publication : Ethnobotany & Medicinal Plant

At Present :

Flat No. 5, Green Wood Apartment, Gopalwadi Road, Sawant Nagar, Daund, Pune

Pin : 413801

Contact : 9890293602

E-mail :

subhash_msc@yahoo.com

Contents

• Introduction • What is an Ecosystem? • Ecology and Evolution of Constructed Ecosystems as Green Infrastructure • Environment, Ecology and Man • Ecological Principles and Function of Natural Ecosystems • World Ecosystem and Geography • Ecology & Nature Conservation • Equity and the Conservation of Global Ecosystem Services • Ecosystem Current Challenges and Opportunities



Vidya Prakashan

**C-449, Gujaini
Kanpur-208 022**

E-mail : vidyaprakashan.knp@gmail.com
Website : www.vidyaprakashankanpur.com

ISBN 978-81-948359-5-0

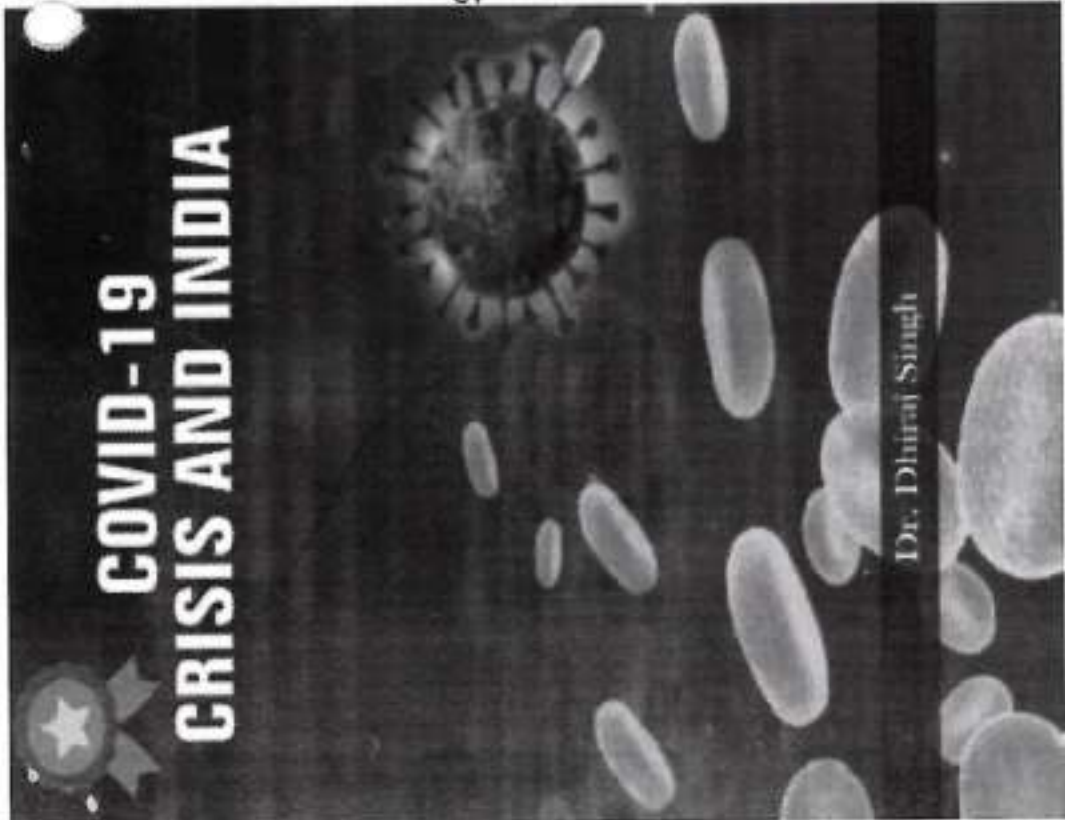


9 788194 835950 >

₹ 1095/-



2016/2021



Certificate of Publication

Is hereby awarding this certificate to **Dr./Prof./ Mr./Ms.....Mrs.Namrata N.Nadgauda,Assistant Professor,Late.....K.G.Kataria.College, Daund,Distl.Pune,Maharashtra.....**

In recognition of the publication in the Chapter boof entitled, "COVID-19 Crisis and India", Edited by "Dr. Dhiraj Singh His/Her Research paper/Article/Chapter's title *Earning opportunities in Stock Market with special reference to Lock-Down Period.*

Published in Category of National Chapter Book

June 2021, by Adhyaya Publishers & Distributors Delhi.
ISBN: 978-93-91284-02-2 (Issued by Gov. of India, under the category of 93)

Dr. Dhiraj Singh
Chief Editor

Head, Department of Education
Moderna College of Professional Studies, Mohan Nagar, Ghaziabad



Earnings Opportunities in Stock Market with special reference to Lock-Down Period.

Prof. Mrs. Namrata N. Nadgauda

Late K.G.Kataria College, Daund, Dist.Pune, Maharashtra.

Abstract:-

This Research paper proposes earning opportunities in the Share Market, specially in the Lockdown period due to Covid-19 pandemic. In this paper we have observed the Market Capital of Nifty 50, along with Shares Traded and number of D'mate account holders for the period of Nine months i.e. Jan to Sept.2020. Aforesaid data, graphically interprets significant changes occurred, before the Lock down, during the lockdown and after the lockdown. The result shows that market participants are gradually increased with adequate growth in market cap, and released proportionally with release of lockdown parameters.

Keywords:- Stock Market, Covid-19 Pandemic, Lock-down.

The COVID-19 pandemic, also known as the coronavirus pandemic, is an ongoing pandemic of coronavirus disease 2019 (COVID-19) caused by the transmission of severe acute respiratory syndrome coronavirus. This pandemic situation affected adversely by all means i.e. economically, socially, domestically irrespective of country, class, creed, religion, language, gender, age etc. The covid-19, situation persists due to CoronaVirus all over the world, initially it has limited effect on western countries but in flow of time it is rapidly grass-rooted throughout the world. In concerted efforts every country is compelled to impose certain restrictions over all activity of citizens to mitigate the situation. India is also not an exception for this effect. As Hon'ble PM has suggested one day Janata curfew on 22.03.2020, as self-oriented one day lockdown all over the country which was followed by the compelled Lockdown for unlimited period.

All activities i.e. Trade, Businesses, Banking, Commercial, Industrial, Manufacturing, Trading, Vending, Distribution, Educational, Railways, Travels, Tourism activities are advised to close till further order, this was monitored by District Magistrates with the close coordination of Police authorities. Almost every citizen of India is stable as and on which basis, the labour class is helplessly seeking help from Social Workers and NGO's. The social & Govt. Organisations have arranged food for helpless and stranded populations. Middle class employees are negotiating their limited food supply. Higher class populations are minutely observing the scenario with self-dependence. The income source of all classes is badly affected with little variation, several groups of workers were migrated after prolonged starvation to their native. Everybody is in search of an alternative source of income based on available resources, that depends on individual skill & manpower, available machinery & resources. Somebody had succeeded to get alternative jobs near their hometown and managed to survive their families. Few of the population continued their job by opting work from home. But a large scale of working class employees are suffering to arrange the food for their families.

In-spite of all above negativities there is a significant population who have opted to enter the Share market with the help of very small capital and little knowledge of Share market, this helps them to earn an amount at least to arrange bread and butter for their families. What are the reasons that said population is attracted towards this sector? On careful study and strategic perceptions it is found that following are the reasons that any common man can enter the stock market without hesitation,

- 1) Share market is open for all economic classes.
- 2) Not required for any specific area like Industrial Space, Shop, Office etc.
- 3) No fear of competition in-spite of several entries of investors.
- 4) Secured and well established technologically approved system.
- 5) No chance of fraud or misappropriation etc.



STATISTICAL ANALYSIS AND GRAPHICAL REPRESENTATION OF DATA:

MONTH	SHARES TRADED	TURNOVER
JANUARY	518889616.2	18704.19435
FEBRUARY	519354593.3	18433.529
MARCH	1015122234	30637.4919
APRIL	708014726.6	31594.73611
JUNE	762669912.8	35081.71636
JULY	636522805.5	35197.57478
AUGUST	668357645.6	31732.30762
SEPTEMBER	611189872.6	31795.46136

TABLE 1

SHARE TRADED

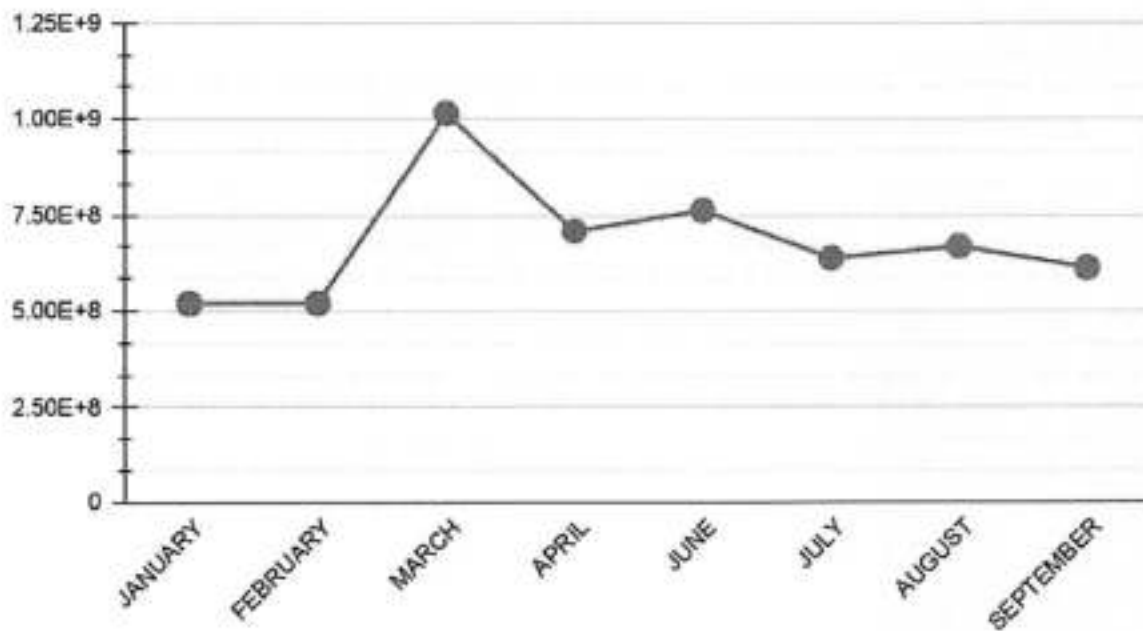


CHART 1(ref. table 1)



- 6) Based on low risk /low profit or high risk/ high profit strategy.
- 7) Required only D'mate account, Mobile Phone/ Laptop/Desktop along with reasonable knowledge of Stock market.
- 8) It can be started with little capital .
- 9) Require no transportation hence no element of pollution and National wastage of Fuel etc.
- 10) Remote or Nil chances of getting affected by COVID-19 or any other sort of infections.
- 11) Promising field for housewives, unemployed youths, retired persons and one who can not leave their homes for any reason.

The equity market has opened a lot of career opportunities in recent years. This market is getting bigger day by day and the opportunities for employment in the Stock Market are growing every day. People from all backgrounds whether i.e. Science, Commerce or Humanities are showing more and more interest to pursue their careers in the Stock Market today. The Indian stock market brings you a surplus amount of investment opportunities. As an investor, you can put your money into a variety of asset classes such as equities, commodities, derivatives, currency trading, and more. The market allows you to invest in the shares of various companies to earn both short-term and long-term gains. The Indian stock market is a marketplace where many people don't plan to take up as a career choice because of risk factors. But to a surprise for many people, the stock market excites them to join as a career option as they can make huge revenues along with consistent growth. If you choose to move in the right direction then you can surely make a successful career choice. Starting a career in Indian stock market can be lucrative for some. If you are among those people who understand the depth and details of the Sensex and Nifty, then you can certainly take up the career in stock market.

Further, a stock market is an uncertain career because of the ups and downs of the market movements. If you follow the right ways for establishing your career in the stock market it can be the best decisions of your life. The stock market today has intrigued the general population of India for a long time. This explains the low participation level when compared to other developed countries. However, the capital market enigma is slowly fading away. With the growth in participation, the non-bank financial sector is to take a leap even faster than it is already growing. Therefore, there is a huge demand for working professionals in this sector. There are so many job oriented online courses in this field with the help of which we can easily enter and get success. The main reason for investors to enter the Share market is to make profits. Investors buy shares for the specific reason of getting income. Though investing in shares brings with it a number of risks, it can reap good returns over the long term. Investors receive dividends from the overall profit that the company makes. Dividends can be given the form of cash, more stocks and securities. Investing in shares also allows you to sell anytime you wish, thus providing easy access to your money, in case you need cash for an urgent expense. Shares offer tremendous investment opportunities. There are two ways of earning money through shares—one is you get a part of the company's profit every year, which is known as the Dividend. This acts as a source of regular income. Secondly, if the company expands, your shares become more valuable, which gives your investment an additional worth. You can trade shares through a traditional stockbroker, an online broker or an investment manager.

Shares also offer divisibility where you sell a part of your shares in case you need cash for some purpose. People also buy shares to have a stake in companies which are likely to perform well, thus giving them a sense of ownership. It also helps to create a diverse investment portfolio. Buying shares also allows easy access to your money as you can easily buy and trade shares without having to cough up a penalty. Shares are liquid assets. You can buy or sell them owing to your financial planning. Stocks also offer the feature of divisibility, which gives you an opportunity to sell a certain part of your shares when you need some urgent cash. While you sell a certain part of your shares, the remaining shares still remain invested for long-term gains. The Indian stock market definitely opens up countless opportunities for investors. If you are smart and patient enough, you can make huge gains from your stock market investments.

The ultimate goal of investing in share markets is to earn profits. You can make quick bucks from long-term investments by keeping abreast of the latest happenings in the share market, and the economic and commercial scenario of the country. Above all, you have to identify the current competitive and best-performing industry and sectors. Choosing the best and right shares is another important aspect. In order to identify which stock to invest in, an investor needs to judge the financial strength of the company by analysing the sales revenue, EPS, liquidity of the company, debt and valuation of the company. The ideal indicator to analyze the impact would be the financial performance of companies in any industry as changes in sales and profits could be interpreted regarding how sectors were impacted.

STATISTICAL ANALYSIS AND GRAPHICAL REPRESENTATION OF DATA:

MONTH	SHARES TRADED	TURNOVER
JANUARY	518889616.2	18704.19435
FEBRUARY	519354593.3	18433.529
MARCH	1015122234	30637.4919
APRIL	708014726.6	31594.73611
JUNE	762669912.8	35081.71636
JULY	636522805.5	35197.57478
AUGUST	668357645.6	31732.30762
SEPTEMBER	611189872.6	31795.46136

TABLE 1

SHARE TRADED

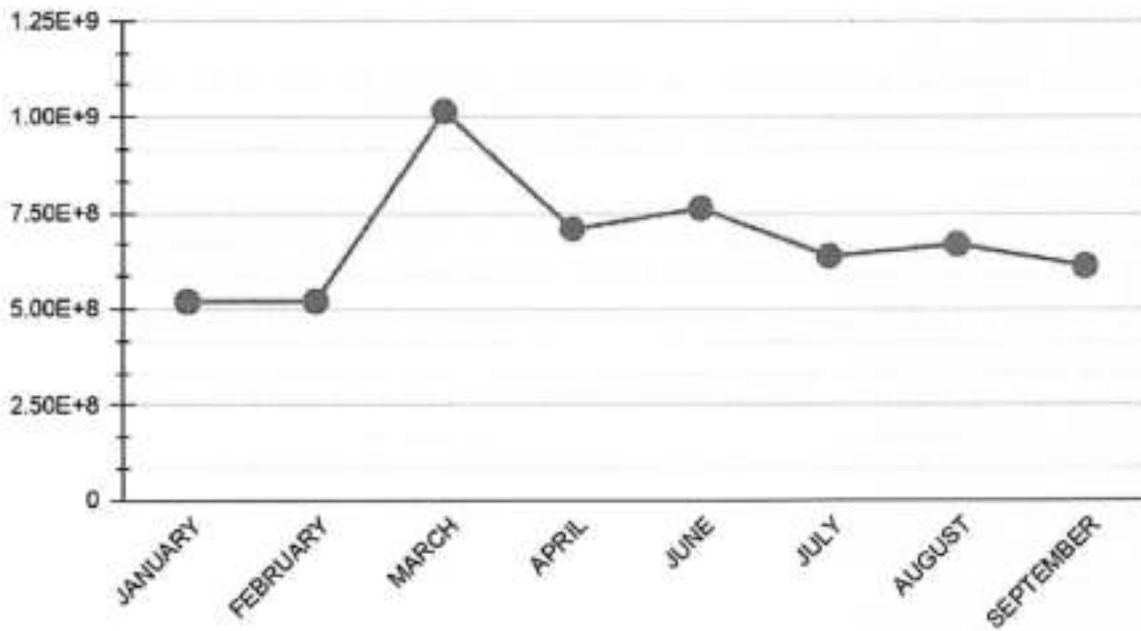


CHART 1(ref. table 1)



TURN OVER (Cr.)

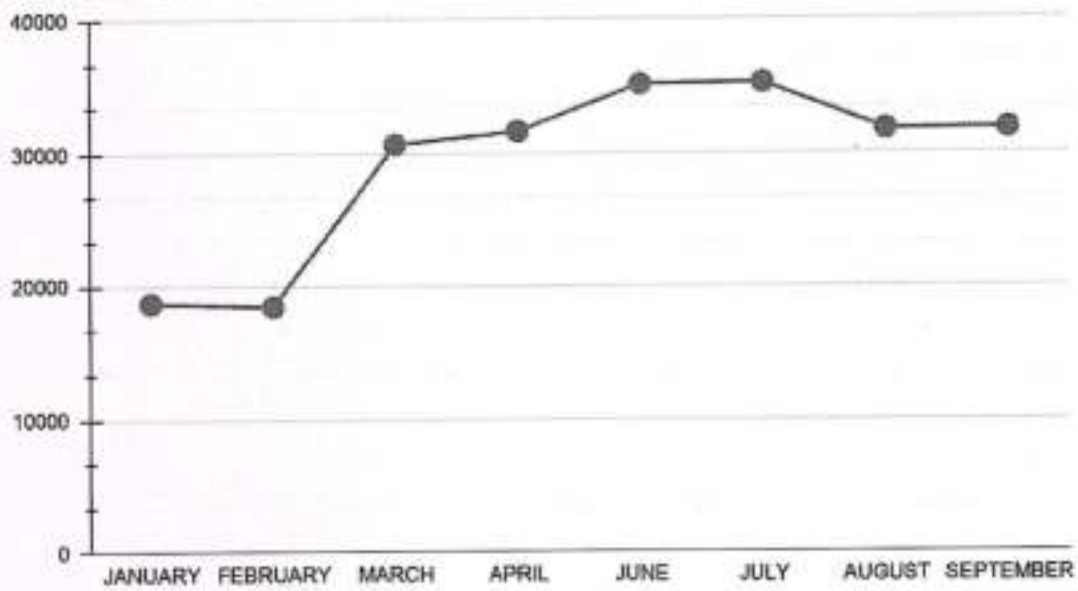


CHART 2(ref. table 1)

MONTH(2020)	NUMBER OF D'MAT ACCOUNT
JANUARY	19638964
FEBRUARY	19442580
MARCH	19570101
APRIL	19685619
MAY	19747983
JUNE	19859837
JULY	20009174
AUGUST	20456592
SEPTEMBER	20467392

TABLE 2

NUMBER OF D'MAT ACCOUNT vs. MONTH(2020)

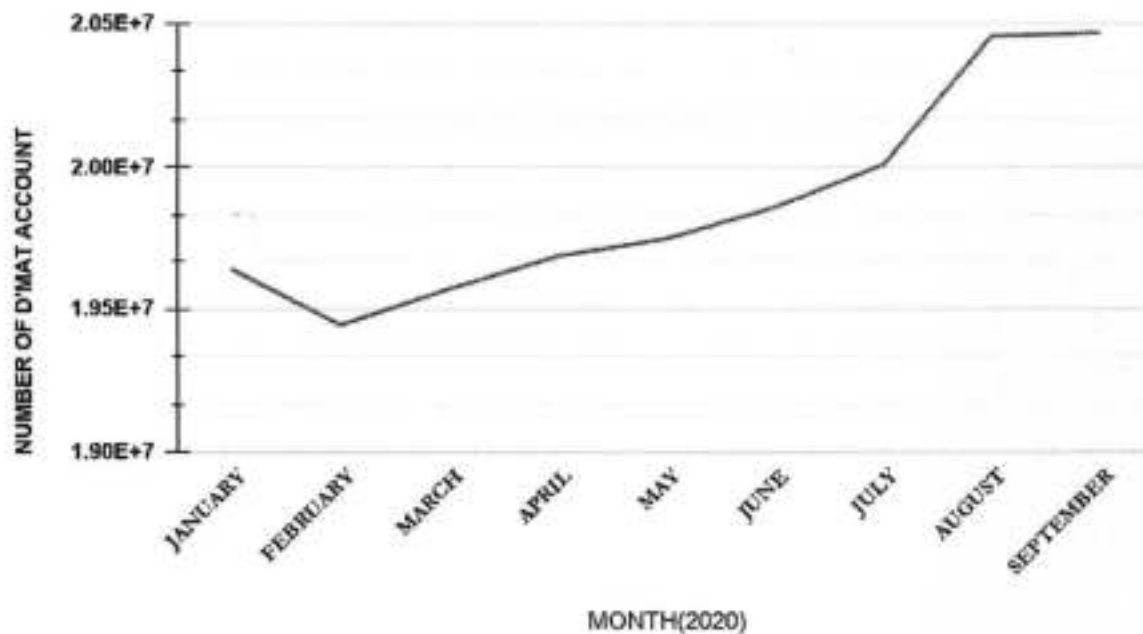


CHART 3 (ref. table 2)

Conclusion :-

Above analysis is interpreted with the help of following Charts and Graphs which clearly shows that interest of a large scale of specific population is involved in the Share Market solely for earnings. Industries whose business is depended directly on today sell /buy more rather than those industries having no customer interface. It is also argued amongst researchers that the effect of lockdown is temporary; it will revert once normalcy is attained. is a good indicator of how perceptions of investors have been grounded across sectors during this period. It is a good sign that continuous enhancement of D'Mate accounts is participation in the Share market. Further Market cap of Nifty 50 is enhanced from March to July 20, and released later at par the Unlock-1.

Hence the significance of the share market is once more recognised it gives earnings opportunities and helps significant change in Indian Economy. Safe bets in the current period would be the defensive stocks i.e consumption (FMCG particularly consumer staples) and healthcare sector (hospitals and diagnostics included). Oil and gas refinery margins are set to improve on account of low crude prices and hence the sector remains a good bet. Metals and the automobile sector will see a significant lag and tourism, hospitality; real estate will be amongst the worst hit during this period. Sectors dependent on the global market for import of key raw material inputs should also be avoided due to disruption in the global supply chain and INR depreciation. Their recovery will depend on how quickly they can find the substitutes for their inputs indigenously (highly difficult) and integrate them with their supply chain.

However, the above tough conditions also provide an opportunity to accumulate good quality stocks for the long term. Historically, tough conditions have not lasted too long. It is imperative to use this opportunity to build a portfolio of top quality companies available at attractive valuations. It is important to focus on large-cap as they are the ones to lead the market recovery and joined by quality mid caps at a later stage. Another approach would be to focus on quality names trading at premium valuations. The recovery in such stocks would be strong and fast. However, it is advisable to stay away from small and mid-caps which are facing balance sheet-related issues with high debt. Some of the factors to look for in mid-caps include an extremely good balance sheet (focus on debt-free and higher cash will be an additional positive), a niche market with strong moats and good management track record will be advisable but the recovery in these stocks could take between 3 to 4 quarters from now.



REFERENCES:

- National Stock Exchange official website
- NSDL and CDSL official website