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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 year

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1	Dr. Ganesh Malte	Communication skills
2	Dr. Ganesh Malte	Talent development and skills
3	Dr. Pallavi B. Nalle	Ultrasonic investigation of officinale zingiber with $ZnCl_2$ as a function of concentration and temperature
4	Trupti S. Shrirame	Fabrication and application of polymer-graphene nanocomposites for sustainability
5	S. J. Kokode	Physical education issues and development in sports
6	Trupti S. Shrirame	Graphene-Polymer Nanocomposites for Environmental Remediation of Organic Pollutants
7	Dr. R. P. Gawai	The effects of recent trends on E-commerce business, in 21 st century
8	Dr. R. P. Gawai	Innovative marketing in business
9	S. J. Kokode	Perspectives for public and private partnerships for sports development
10	Dr. M.T. Nikam	Life style changes and its effect on immunity
11	Dr. V.U. Pochhi	Ethenoveternary plants to treat bone factures of animals in buldhana District, Maharashtra
12	Dr. Ganesh Malte	Sociologist Dr.Babasaheb Ambedkar
13	Dr. Ganesh Malte	Rural Dalit Feminist and Changing Visions of Life in Tribal Literature



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Shri Harshawardhan P. Deshmukh
President
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Coordinator
IQAC, Shri Shivaji Sci. & Arts
College, Chikhli Dist. Buldana

Dr. Omraj S. Deshmukh
Dr. Omraj S. Deshmukh
PRINCIPAL
Shri Shivaji Science & Arts
College, Chikhli, Dist. Buldana

संवाद कौशल्यै

डॉ. गणेश मालटे



संवाद कौशल्ये

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२ । अथर्व पब्लिकेशन्स

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मानवाच्या जीवनात भाषा ही महत्त्वपूर्ण बाब आहे. मानवाचा विकास होण्यास, त्याचे व्यक्तिमत्त्व खुलून दिसण्यास भाषा अधिक परिणामकारक घटक आहे. दोन किंवा अधिक व्यक्ती एकत्र आल्या की, ते एकमेकांशी बोलतात. त्यालाच संवाद किंवा संभाषण असे म्हणतात. संवादाच्या माध्यमातून विचारांची देवाणघेवाण होत असून व्यक्तीच्या विचारांना चालना मिळते. वर्तमान हे दररोज निरनिराळ्या प्रश्नांना आणि समस्यांना घेऊन आपल्यासमोर उभे राहत आहे. हे प्रश्न केवळ सामाजिक अथवा आर्थिक नाहीत, तर जीवनाच्या सगळ्याच क्षेत्रांना व्यापणारे आहेत. किंबहुना मानवी जीवनाच्या अस्तित्वालाच आव्हान देणारे आहेत. अशावेळी केवळ जीवन जगणे हाच पर्याय नाही, तर सन्मानाचे जीवन आपल्या वाट्याला यावे यासाठी प्रयत्न करणे गरजेचे आहे. आपल्या अंगी असणाऱ्या सर्जनशक्तीचा योग्य वापर करणे, स्वतःच्या ठायी असणाऱ्या कौशल्यांचा विकास करणे, नवी कौशल्ये जाणीवपूर्वक आत्मसात करणे दिवसेंदिवस अपरिहार्य होत जाणार आहे.

हे वास्तव लक्षात आल्यामुळे शिक्षण क्षेत्रात मागील काही वर्षांत झपाट्याने बदल होत आहेत. अर्थकारणाची दिशा समजून घेऊन विद्यार्थी स्वतःला कसे सिद्ध करेल, याकडे विशेष लक्ष दिले जात आहे. विद्यार्थी हा ज्ञानवंत, प्रज्ञावंत तर व्हायलाच हवा, सोबतच तो कलावंत व्हावा, निरनिराळी कौशल्ये त्याच्या अंगी यावीत यासाठी प्रयत्न केले जात आहेत. असे म्हणतात की दगडात मूर्ती असते, ती दगडातून बाहेर काढण्याची दृष्टी असावी लागते. दृष्टीसोबतच छत्री-हातोड्याचे कसबही त्या दृष्टिवंताकडे असणे आवश्यक आहे. संवाद हे एक भाषिक कौशल्य आहे. या कौशल्यास व्यावहारिक जीवनात फार महत्त्व असून, प्रस्तुत पुस्तक संवादाचे कसब शिकण्यास नक्कीच मदत करेल.



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आजचे जग तीव्र स्पर्धेचे आहे. दैनंदिन जीवन धावपळीचे आहे. नोकरी-व्यवसायात प्रवेश मिळणे कठीण झाले आहे. निसर्गदत्त गुण, शरीररचना, संपादित गुण, कौशल्य यांचा संमिश्र प्रभाव, समाजात अनेक भूमिकांत वावरताना पडत असतो. मानसशास्त्रीय परिभाषेत याला 'व्यक्तिमत्त्व' किंवा 'Personality' अशी संज्ञा आहे. एखाद्या व्यक्तीचे 'व्यक्तिमत्त्व' उठावदार आहे, प्रभावी आहे, असे आपण म्हणतो. बुद्धी, भावना, संवेदनशीलता, भिन्न दृष्टिकोन, अडचणी यांना सामोरे जाण्याची क्षमता, परिस्थितीशी जुळवून घेण्याचे कौशल्य, शिक्षण, संस्कार या अनेकविध गोष्टींनी व्यक्तिमत्त्व घडत असते.

'व्यक्तिमत्त्व' या संज्ञेची व्याख्या विविध मानसशास्त्रज्ञांनी आपापल्या दृष्टिकोनानुसार दिलेली आहे. प्रत्येक माणसाचे आंतर्बाह्य दर्शन म्हणजे व्यक्तिमत्त्व होय, असे सर्वसामान्यपणे म्हणता येईल. व्यक्तिमत्त्वाला सामर्थ्य, सौंदर्य व संपन्नता प्राप्त करून देणे, आत्मविश्वास, कार्यक्षम, स्मरणशक्ती, चरित्र अभ्यासाची तंत्रे, भाषण व संभाषण कला, सादरीकरण, नेतृत्व, श्रवण कौशल्य, वेळेचे नियोजन, ताणतणावाचे व्यवस्थापन, सकारात्मक दृष्टिकोन, ध्येयनिष्ठा, प्रयत्नांची पराकाष्ठा अशा अनेक प्रकारच्या सामग्रीने व्यक्तिमत्त्व विकासाचे मार्ग सोपे होतात. निरोगी क्रियाशील, प्रगल्भ, सृजनशील व विकसनशील व्यक्तिमत्त्व बनविणे म्हणजे व्यक्तिमत्त्व विकास होय. व्यक्तित्व आणि व्यक्तिमत्त्व यात मूलतः फरक आहे. प्रत्येक प्राणिमात्राला व्यक्तित्व असते. ती निसर्गदत्त देणगी आहे.



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Dr. Chandrashekhar M. Kale

Head and Associate Professor

Department of Physics

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Dr. Chandrashekhar M. Kale

Head and Associate Professor

Dept. of Physics

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C.B

Ultrasonic Investigation of *Officinale Zingiber* with $ZnCl_2$ as a Function of Concentration and Temperature

Dr. Pallavi Nalle

Department of Physics, Shri Shivaji Science and Arts College, Chikhli, Dist. Buldana. (M.S.) India.

Email: pallavinallek@gmail.com

ABSTRACT

Ultrasonic velocity (U), density (ρ), viscosity (η) for *Officinale Zingiber* have been measured at various concentrations (number of moles of drug = 1.4018, 2.1027, 2.8036 and 3.5045) and at 323.15, 328.15 and 333.15 K temperature. Different acoustical and thermodynamic parameters like adiabatic compressibility (β), intermolecular free length (L_i), specific acoustic impedance (Z), relaxation amplitude (α/l^2) and relaxation time (τ) etc. of antioxidant solutions were calculated from the experimental values of ultrasonic velocity (U), density (ρ), and viscosity (η). Solute-solute and solute-solvent types of interactions can be identified from the derived values. The conclusion drawn from the ultrasonic investigation is the mixture acts as structure breaker and there is a complex formation between *Officinale Zingiber* and $ZnCl_2$ for the system as a function of concentration and temperature. Ultrasonic investigation confirms presence of molecular association between systems. Such kind of study is useful for drug pharmacology, drug action and drug physicochemical properties.

Keywords: *Acoustic Impedance, Molecular Interaction, Ultrasonic Velocity, Intermolecular*

1. INTRODUCTION

Science and technology of ultrasonic investigation is widely desired in the recent years for industrial and medicinal applications. Investigation of ultrasonic becomes a subject of extensive research. It is applicable in the field of biology, biochemistry, engineering, medicine etc. [1, 2]. To characterize and to monitor the material, ultrasonic investigation become a powerful tool [3]. Various types of interactions like ion-ion, solvent-solvent, and ion-solvent interactions are present in the mixture [4]. Therefore, volumetric properties give helpful information about nature of solute and solvent [5]. Experimental values of Ultrasonic velocity (U), density (ρ) and viscosity (η) together with acoustic and thermodynamic parameters gives a wealth information of bulk properties and intermolecular forces present in liquid mixture [6,7] as well as it throws light on structural aspects and properties of solutions can be characterized [8].

This information has many applications in several industries and technological processes. With the addition of solute, changes occur in the structure of solvent. Changes may be either structure maker or structure breaker. Molecular interaction which is present in pure liquid, aqueous solutions and mixtures can be investigated from ultrasonic parameters. Which have been studied. This information is useful and reliable tool to study ultrasonic investigation of liquid mixture. Literature survey reveals that ultrasonic investigation of various organic, inorganic and biological compounds in various solvents have been studied [9-12] However, little work has been done for the solutions of drugs [13].

In the present investigation, author have been studied ultrasonic investigation of ethanolic extract of drug *Officinale Zingiber* with $ZnCl_2$ metal ion at constant frequency 2 MHz, at various concentrations (number of moles of drug = 1.4018, 2.1027, 2.8036 and 3.5045) and at three different temperatures $T = (323.15, 328.15 \text{ and } 333.15 \text{ K})$. From the ultrasonic investigation, acoustic and thermodynamic parameters such as adiabatic compressibility (β), intermolecular free length (L_i), specific acoustic impedance (Z), relaxation amplitude (α/l^2) and relaxation time (τ) were calculated and studied effect of concentration and temperature on molecular interaction in the present liquid mixture.

BIOGENIC SUSTAINABLE NANOTECHNOLOGY

Trends and Progress

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Micro & Nano Technologies Series

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Fabrications and applications of polymer–graphene nanocomposites for sustainability

Ajay K. Potbhare¹, Trupti S. Shrirame^{1,2}, Vidyasagar Devthade³,
Sachin T. Yerpude⁴, Mayuri S. Umekar¹, Ratiram G. Chaudhary¹,
Ganesh S. Bhusari⁵

¹POST GRADUATE DEPARTMENT OF CHEMISTRY, SETH KESARIMAL PORWAL COLLEGE OF ARTS AND SCIENCE AND COMMERCE, KAMPTÉE, MAHARASHTRA, INDIA ²DEPARTMENT OF CHEMISTRY, SHRI SHIVAJI SCIENCE AND ARTS COLLEGE, CHIKHLI, INDIA ³MATERIAL SCIENCE AND ENGINEERING DEPARTMENT, KYUNGPOOK NATIONAL UNIVERSITY, DAEGU, REPUBLIC OF KOREA ⁴DEPARTMENT OF MICROBIOLOGY, SETH KESARIMAL PORWAL COLLEGE OF ARTS AND SCIENCE AND COMMERCE, KAMPTÉE, MAHARASHTRA, INDIA ⁵RESEARCH AND DEVELOPMENT DIVISION, APPLE CHEMIE INDIA PRIVATE LIMITED, NAGPUR, INDIA

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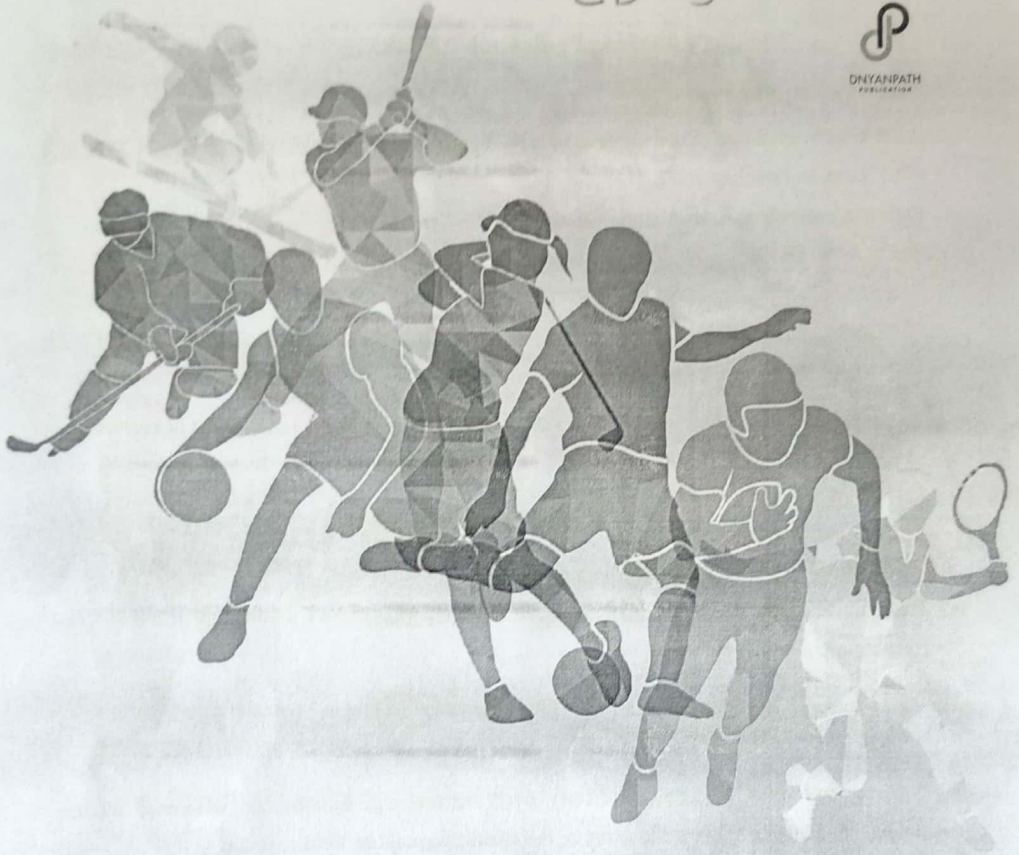
7.1 Introduction

In recent years carbon-based allotropes, carbon nanotube (CNT), graphene (GN), graphitic carbon nitride, and many more have widely been used in various applications such as energy storage devices, biomedical appliances, and water purifications due to their outstanding electrical conducting and mechanical characteristics (Cui et al., 2014; Dong et al., 2015; Huang et al., 2015). GNs have originated from the crystallographic two-dimensional (2D) materials with a single sheet of sp^2 network of carbon packed in a crystal lattice. The tensile strength and Young's modulus of GN is about 120 GPa and 1.05 TPa, respectively (Gonzalez et al., 2014). GN tensile strength is more than nanosized steel and CNTs. The electrical and thermal conductivities of GN are nearly 7300 S m^{-1} and $42,800 \text{ W m}^{-1} \text{ K}^{-1}$, respectively (Mahato et al., 2015; Zhang Aiqin et al., 2015). Although single CNT has shown extraordinary electrical and thermal conductivity ($1200,000 \text{ S m}^{-1}$ and $2530 \text{ W m}^{-1} \text{ K}^{-1}$), the properties of bulk materials heavily depend on how the CNTs are organized. The CNT is very difficult to be handled because definite control is not possible due to inherent complications in handling single nanotubes. Therefore the large specific area ($2600 \text{ m}^2 \text{ g}^{-1}$) of graphene along with these exceptional properties is skill to adjust the behavior of the GN with the use of polymer composites, have unified this material in energy storage devices, antimicrobial, sensors, and biomedical field (Ambrosi et al., 2014; Miculescu et al., 2014, 2016).

Mostly, GN oxide (GO) is prepared by using the Brodie (Eftekhari et al., 2018), the Staudenmaier (Mukhopadhyay & Gupta, 2012), or the Hummer methods (Itkis et al., 2007). These methods involved the oxidation of graphite followed by the exfoliation of GN. The graphite oxide is unidentified due to its exact structural form, but it is widely recognized that GO possesses oxygen functional groups that are responsible for its hydrophilic nature and, after exfoliation, are converted to GO in many nonorganic solvents. The reduction of GN or reduced GO (rGO) is made by using various reduction processes. Numerous reduction methods have been described in the literature, including chemical reduction (Bagade et al., 2019; Cai & Song, 2010), thermal treatment (Moon et al., 2010; Wang, Shi, et al., 2012; Zeng et al., 2012), and electrochemical reduction (Bian, Lin, He et al., 2013; Rahman & Chung, 2013). After the reduction step, the oxygen-containing functional groups remaining on the GN platelet have a noteworthy effect on its properties. Afterward, the GN platelet–forming process is still a dynamic research area. Today, polymers are one of the most important discussion areas in materials chemistry; they are quite cheap and easy to practice (Zhang, Zheng, Yan, et al., 2010). Known synthetic polymers comprise polyolefin [polyethylene, polypropylene (PP), etc.], polycarbonate, poly(methyl methacrylate), polyimide, poly(vinyl alcohol) (PVA), and polyurethane (PU). Nevertheless, their physical belongings to their applications in some areas are frontier. The integration between GN and polymeric chains can improve the mechanical or electronic properties. For example, the mechanical strength (Liu et al., 2013) of polymers has been improved by GN, and efficient electrical conductivities (Bagade et al., 2019; Huang et al., 2012) enrich their thermal stabilities (Wu, Huang, et al., 2013), advance their electrochemical activities (Das & Prusty, 2013; Stoller et al., 2008; Xu et al., 2009), and impart gas barrier properties (Bora et al., 2013). The significant impact of GN addition was discussed in detail by Xu et al. (Lipatov, 1990). Even though synthetic polymers are extensively used, they have vital negative impact on environment because they are nonbiodegradable, and often the base chemicals are derived from petroleum. For example, in every year, the worldwide uses of polyolefin have been produced approximately 1.4 billion tons of industrial waste products (Terrones et al., 2011). To overcome these problems, natural polymers are now being explored as substitutes for synthetic nondegradable plastics. The common matrices of natural polymers are polysaccharides, proteins, lipids (fats and oils), polyesters from microorganisms (phytohemagglutinin), chitosan (CS), cellulose, lignin, and those derived from natural monomers such as poly(lactic acid) (PLA) (Das & Prusty, 2013; Thakur & Thakur, 2015). However, these polymers frequently have lower properties compared to synthetic polymers. Thus the inclusion of GN can achieve an enhanced performance of the main polymer matrices.

The use of battery functioned appliances improved in both the economic and engineering fields has led to the exploration for more operative ways of reaping energy from the environment, energy storing for later use, delivering power, and improving energy productivity. Moreover, being used as a replacement for the semiconductor diode in a solar cell, conducting polymers are used in electrochemical cells in energy storage devices and (supercapacitors) (Stoller et al., 2008; Xu et al., 2009). Most common types of conducting polymers include polypyrrole (PPy), polyacetylene, polyaniline (PANI), and poly(3,4–16 ethylenedioxythiophene) (PEDOT) (Chen et al., 2015; Ganeshkumar et al., 2014; Thakur & Kessler, 2015; Wu et al., 2014).

CB-5



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Physical Education Issues And Development In Sports

Prof. Sachin J. Kokode

Director of Physical Education & Sports

Shri Shivaji Science and Arts College Chikhali, Dist. Buldhana

Abstract :

The intention of this paper is to perceive the modern tendencies and demanding situations in Physical training and sports activities and primarily based totally on those modern demanding situations, destiny tendencies and demanding situations might be mentioned. Therefore, making sure that every one kids have interaction in ordinary Physical pastime is crucial, and the colleges are the simplest region in which all kids may be reached. Quality Physical Education is the simplest and inclusive manner of presenting all kids, anything their ability/disability, sex, age, cultural, race/ethnicity, non secular or social background, with the abilities, attitudes, values, know-how and knowledge for lifelong participation in Physical pastime and recreation and is the simplest faculty difficulty whose number one attention is at the body, Physical pastime, Physical improvement and fitness. The look at will perceive the modern tendencies, problems and demanding situations in PE and sports activities primarily based totally on which destiny demanding situations can be addressed.

Introduction :

The significance of Physical training has in no way been emphasized greater than it's miles today. It is extensively recognized that Physical training (PE) and sports activities is applicable and critical in growing an energetic and wholesome life-style and the answer to growing weight problems costs worldwide. Although in maximum countries, Physical training is a part of the faculty curriculum, instructions aren't given, therefore main to a discounted revel in of Physical pastime for kids and

youngsters. The exercise of a Physical energetic life-style in aggregate with wholesome nutrition, however, desires to be began out in early childhood. There are different factors which can be diminishing the hobby of college students in Physical training sports. Although the Physical training is being taught as part of curriculum in all the colleges however loss of ok time and skilled instructors, suitable centers are liable for little hobby on this area. The destiny demanding situations to make this area thrilling includes an ok curriculum, enough price range allotment for containing numerous competitions and function of era to create consciousness approximately the significance of Physical sports and sports activities in our day by day lifestyles. All those problems were mentioned in the paper.

The use of ICT in PE makes the technological know-how of game come to existence via way of means of linking each bodily and intellectual activity. It additionally facilitates to create full-fledged college students who're capable of listen higher on each sensible and theoretical work. Besides, it facilitates college students to increase a higher know-how in their personal frame elements and that of the human frame in general. It additionally increases the profile of P.E in the established order via way of means of making the problem now no longer simplest interesting, however additionally appealing and effective. Furthermore, it brings enthusiasm and motivation for each PE instructors and college students. Information and communications technology (ICT) describe the sort of technological gear and sources used to produce, distribute, save and control data and knowledge. In the contemporary-day era, those

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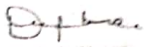
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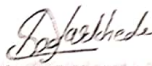
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Metal Nanocomposites for Energy and Environmental Applications



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Graphene-Polymer Nanocomposites for Environmental Remediation of Organic Pollutants



T. S. Shrirame, J. S. Khan, M. S. Umekar, A. K. Potbhare, P. R. Bhilkar, G. S. Bhusari, D. T. Masram, A. A. Abdala, and R. G. Chaudhary

Abstract The graphene-based polymer nanocomposite is an outstanding material which is attracting researcher's and scientists' attention due to its fascinating physicochemical and thermo-mechanical properties. Even it has been a decade after its discovery, scientists are still exploring the hidden potentials of this material. The present chapter summarizes the most recent studies on the modification of graphene with polymers and the subsequent synthesis and applications of high-quality graphene-polymer nanocomposites. The chapter started with an introduction followed by historical background, conventional and green fabrication strategies for producing high-quality graphene based-polymer nanocomposites including various covalent and non-covalent techniques are summarized and discussed. Finally, the graphene-polymer nanocomposites catalyzed photo-degradation of organic pollutants (OPs) like dyes, pesticides, insecticide for water purification, and future perspective is presented herewith.

Keywords Graphene-polymer nanocomposites • Bioinspired nanocomposites • Green synthesis • Photocatalytic degradation • Water purification • Environmental remediation

T. S. Shrirame · J. S. Khan · M. S. Umekar · A. K. Potbhare · P. R. Bhilkar · R. G. Chaudhary (✉)
Department of Chemistry, Shri Shivaji Science and Arts College, Chikhli 443201, India

G. S. Bhusari
Research and Development Division, Apple Chemie India Private Limited, Nagpur 441108, India

D. T. Masram
Department of Chemistry, Delhi University, Delhi, India

A. A. Abdala
Chemical Engineering Program, Texas A&M University at Qatar, Doha, Qatar
e-mail: ahmed.abdala@qatar.tamu.edu

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The Effects of Recent Trends on E-Commerce Business, in 21st Century

Dr. Raju P. Gawai

Dept. of Commerce & Management,
Shri Shivaji Sci., Arts & Commerce College,
CHIKHLI, Dist. Buldana (MS)

ABSTRACT

This paper is written by considering the recent trends which are variable day to day life due to electronic inventions in information technology. Electronic commerce draws on technologies such as mobile commerce, electronic funds transfer, supply chain management, Internet marketing, online transaction processing, electronic data interchange, inventory management systems, and automated data collection systems. India's e-commerce market has the potentially grown up. E-commerce provides products' detailed information; even the in-store staff cannot offer such detailed explanation. Customers can also review and track the order. In other word seller and customer are meeting each other indirectly throw on line to purchasing and selling the article electronically. It is called E-Commerce which is the activity of buying or selling of products on online services or over the Internet. Due to that many components of the Commerce and Management changed their policies according the changing era. In last decade internet become the essential need to the people and everyone of us give preference to use mobile or internet even for purchasing as a customer of selling any article or providing any service as a businessman so automatically the trends are changed and the economical factor are be impacted E-commerce is one of them.

Key word : "E-Commerce is being improving itself due to the recent trends in 21st century"

Introduction :

In current age we can see the huge use of internet in society and it compelled to do the process of selling and purchasing on line. 21st century is the age of Information Technology and each one of us is using internet and fulfil the needs from Commerce is the back bone of the



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Innovative Marketing in Business

RAJU PRALHAD GAWAI

Abstract: *Innovations in marketing are related to the revolutionary changes and updates in the world of business. Today, innovations and marketing are the core functions in any business concern. Innovative marketing focuses on the customer and market oriented products, services and processes as per needs. These changes have made the marketers to think beyond the four 'P's of marketing. Innovative marketing is aimed at better addressing customer needs, opening up new markets or newly positioning a firm's product on market in order to increase the firm's sales. This paper attempts to snap the overview some of the strategies in marketing innovations with reference to social networks and viral marketing, paid media marketing, Internet marketing, e-mail marketing, Direct selling, POP marketing, conversational marketing, earned media etc. Thus, this paper proposes the innovative dimensions of marketing in present business scenario.*

Keywords: Innovations, Internet Marketing, E-mail Marketing, Viral Marketing, POP Marketing

Introduction

Innovation marketing is the pairing of our two favorite terms: innovation and marketing. According to renowned management expert, Peter Drucker, innovation and marketing are the core functions to any business. This is because innovation can only be successful with marketing, just like marketing needs innovation for product success.

Breaking it down, innovation is the process of translating an idea of an invention into a product or service that creates value or for which customers will pay, whereas, marketing is the process where producers communicate the features and benefits of their products and services to the consumer (Lead Innovation). These are two key ingredients for product success!

The reason innovation marketing is so effective for emerging technology businesses is its strong focus on customers to generate actionable insights. By listening carefully to feedback and taking note of what is happening in the industry, the product lifespan can be optimized through a tailored marketing strategy. A customer-centric approach is bound to have the greatest market adoption, especially when taking into consideration the complexity of technology products and services.

Innovation marketing revolves around the best way to communicate the benefits of the product/service to others. This needs to take place both within the business itself, as well as externally to the wider market.

1. **Internal marketing:** The company's own staff must believe in the new product or service before it can launch into the wider market.

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PERSPECTIVES FOR PUBLIC AND PRIVATE PARTNERSHIPS FOR SPORTS DEVELOPMENT

Mr. Sachin J. Kokode¹

ABSTRACT

The purpose of this study is to find out the challenges of Public private partnership development in sports field by comparing the views and benefits of different levels of severe stakeholders from the perspective of fierce stakeholders. Public private partnership (PPP) involves many stakeholders whose personal interests may be inconsistent, leading to conflict of objectives. Research shows that the PPP in the field of sports mainly focuses on sports infrastructure and sports health promotion projects. The analysis of key stakeholders shows that the government, the private sector, non-profit private charities, autonomous institutions, multi donor agencies, research and implementation personnel, and users / activity objects are the main stakeholders. According to the classification, the government and investors are still dominant. In the future, whether the government can form a partnership with the alliance and co-ordinate the development of public benefits of sports facilities depends on whether they can reach a consensus among policies. It is necessary to use the power in the leading field to protect the public interest. Different challenges faced by different stakeholders in Public private partnership projects. Research findings were constructed along three phases of partnership governance formation, management, and outcomes. Study results provide insights into the advantages and disadvantages of public-private partnerships in youth sport delivery, as well as identify possible solutions towards increased effectiveness of collaboration in future. Multiple positive outcomes were identified by this study from improved infrastructure, increased sport participation numbers to successful collaboration in event management and constructive influence on the establishment of a more efficient regulatory framework. And although, this research has not uncovered more systematic findings regarding public-private partnerships, it clearly proved that benefits outweighed shortcomings, thus, indicating future potential of such governance model.

INTRODUCTION

The Law on Sports defines the principles of sport, foresees the role of the stakeholders and the competence of the specialists, and determines other important sports related issues. Two of the seven principles underpinning sports activities emphasize the competence of municipalities. First, the principle of continuity of sports activities means that state and municipal institutions, as well as non-government organizations actively involved in the field of sports, must create such conditions that individuals can play sports and, thus, strengthen their health. Second, the principle of encouraging the public to participate in physical activity means that state and municipal institutions encourage people to engage in sports as widely as possible. It also obligates the municipal executive institution to analyse the state of sports within the municipality. This means control and assurance that the state policy in the

¹ Director of Physical Education, Shri Shivaji Science and Arts College, Chikhli Dist. Buldana (M. S.)

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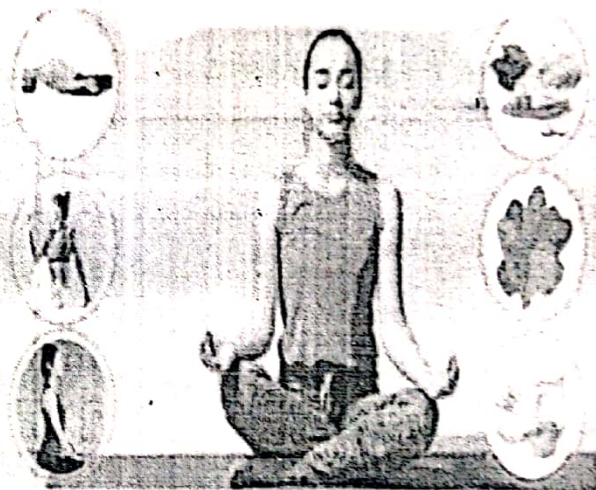
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<http://infopeople.org/training/stress-management-library-workplace>

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Life Style Changes and Its Effect on Immunity

¹Dr. M.T. Nikamand ²Nalinde S.L.

¹Head, Dept. of Zoology, Shri Shivaji Science and Arts College, Chikhali, Dist. Buldhana

²Research scholar at Dept. of Zoology, Shri Shivaji Science and Arts College, Chikhali, Dist. Buldhana, E-mail: swatinalinde19111995@gmail.com

Abstract:-

The most of the population of the entire globe faces the most health related problems like obesity, cardiovascular diseases, diabetes, chronic illness, malnutrition which are directly connected to our lifestyle, daily routine and our bad eating habits. Physical as well as mental fitness is very important for all animal species. Both the things are interconnected to the nutritional access they have. Due to the sedentary lifestyle, virtually limitless calorie access and environmental changes all these things are getting affected. In the review article topic "lifestyle changes and its effect on immunity" several studies have been published providing further evidence how our lifestyle changes influences our physical and mental wellbeing.

Keywords:- Lifestyle, change, immunity, environment, diseases, physical, mental, health.

Introduction:-

Physical as well as mental fitness is very important for all animal species. Both the things are interconnected to the nutritional access they have. Due to the sedentary lifestyle, virtually limitless calorie access and environmental changes all these things are getting affected. All those things lead us to an evolutionary mismatch for which we are now paying the price of increasing non-communicable diseases. Recently we have faced the major life threatening disease COVID – 19, which teaches us a very good lesson about how your daily routine, lifestyle have major impact on your health and immunity. In modern societies all these factors have become modifiable. Nowadays there is craze about junk food in our younger generation, which led us to the unhealthy lifestyle. Due to poor unhealthy diet our younger generation faces health issues such as malnutrition, poor digestion, inflammation, unwanted weight gain and obesity. Eating enough nutrients as a part of diet is essential for the health and function of all cells including immune cells. Due to lack of nutrition we have faces more health challenges. Some studies found that our immune system is directly related with what we eat and physical activities. In order to maintain our health we need proper diet, physical exercises, adequate amount of sleep and rest. All those things in moderation will maintain our immune system well.

Immunity is the capability of multicellular organisms to fight with harmful microorganisms which involves both specific and nonspecific components. Immunity to a disease is achieved via the presence of antibodies in a person's system. There are two types of immunity Active immunity and Passive immunity. Active immunity activate when encounter with disease causing organism triggers the immune system to produce antibodies to that disease. Active immunity can be acquired via natural or vaccine induced immunity. Active immunity is long lasting and sometime it is life-long. Passive immunity is activated when a person is given antibodies to a disease rather than producing them via his or her own immune system. A newborn baby acquires it from the placenta of its mother.

The factors like old age, environmental toxins (smoke and other particles contributing to air pollution, excessive alcohol), excess weight, poor diet, chronic disease, chronic mental stress, lack of sleep and rest etc. can depress our immune system. Nutrients that have been identified as critical for the growth and function of immune cells include vitamin C, Zinc, Vitamin D, Iron, Selenium and protein. They are found in variety of animal and plant food. Diets that are lower in nutrients, such as processed foods can negatively affect a healthy immune system. The role of Indian ancient herbal products like consumption of chyavanprash, herbal tea (kadha), basil (tulsi), cinnamon (dalchini), black pepper (kali murch), dry ginger, raisins (munakka), natural sugar (jaggery), fresh lemon, golden milk made from turmeric and milk has been highlighted during this pandemic period. An increase in consumption of fruits was also noticed.

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This is to certify that Dr./Prof./Mr./Ku./Mrs. Dr.Meena Trimbak Nikam of Shri Shivaji Science and Arts college Chikhli Dist Buldana presented the paper entitled *Lifestyle Changes and Its Effect on Immunity* in the Two Days Interdisciplinary International e-Conference on "Boosting Immunity Through Yoga, Pranayama and Nutrition", organized by Hutatma Rashtriya Arts and Science College, Ashti held on 29th and 30th April, 2022.

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Ethnoveterinary Plants to Treat Bone Fractures of Animals in Buldana district, Maharashtra.**Dr. Vanita Uttamrao Pochhi**

Shri. Shivaji Science and Arts College Chikhli Distt. Buldana

Abstract:

The people of rural areas still depend to a large extent upon plants and household remedies for curing Veterinary ailments. The folk knowledge of Ethnoveterinary medicine and its significance has been identified by the traditional communities through a process of experience over thousands of years. This paper deals with commonly found in different categories of livestock (i.e. Cow., oxen, buffalo etc) and their treatment with 10 medicinal plants 10 species belonging to 10 genera and 9 families that occur in forests as well as close vicinity of the rural settlements. Out of the Total population, majority of the people was found dependent on traditional (herbal) system of treatments practiced by local herbal healers. In this study observed that old aged people have more knowledge and experience particularly in remote areas for curing Veterinary ailments. The traditional system of Treatment is one of the most important Prevailing systems in the area where modern Veterinary health care facilities are rare or in very poor conditions.

The purpose of the present Study was to unravel the mode of application of the medicine prepared from Plants and quantify the dependence of the local people on herbal and allopathic systems of veterinary health care.

Key words: Ethnoveterinary plants, livestock.

Introduction:

Ancient human beings were closely associated with animals, especially the domesticated ones and with the plants those were found in and around their close vicinity as well as with other plants which were used for their daily necessities like food, shelter, clothing and medicines. Ethnoveterinary medicine consists of local peoples knowledge dealing with folk beliefs, skills, methods, and practices pertaining to animal health care and production. This knowledge is based on close observation of animals and or the oral transmission of experience from one generation to the Next. The Buldana district has a predominately livestock based economy and social welfare. However, economic dependence on livestock, lack of effective veterinary infrastructure have forced the local farmers even today to apply their indigenous knowledge to look after and maintain their livestock population. This paper includes social practices and the ways in which livestock are incorporated into farming system. Over centuries people have developed their own system of keeping animals healthy and productive using age old remedies, surgical and manipulative techniques and religious practice. The use of ethnoveterinary medicine uses differ not only from region to region but also among and within communities. Ethnoveterinary medicinal practice and skills have developed through time mainly by tribal and error and sometimes through experimentation and innovation. This paper deals with commonly found in different categories of livestock (i.e. Cow., oxen, buffalo etc) and their treatment with 10 medicinal plants 10 species belonging to 10 genera and 9 families that occur in forests as well as close vicinity of the rural settlements.

Material and Method: -

During investigation, repeated field visits were made to the remote villages. After establishing good rapport with local herbal healers, elderly persons and a person thorough knowledge of veterinary practices. Some of the commonly occurring veterinary diseases were listed. The morpho taxonomical description of each plant taxon was done and identified with the help of different floras.

Observation-

Local people of various regions used 10 different types of plants for Bone fracture in animals. The plants arranged alphabetically with family name and Mode of Administration.

Sr. no.	Name of Plant	Family	Mode of Administration
1.	<i>Bauhinia racemosa</i>	Fabaceae	Root powder with butter and boiled rice is given to animals for three days in bone fracture to join the bones.
2.	<i>Blepharis repens</i>	Acanthaceae	Powder of leaves mixed with pulses of Black gram given to bone fracture in animals.
3.	<i>Buchanania latifolia</i>	Anacardiaceae	Gum resin is used in case of Bone fracture where plaster cannot be tied
4	<i>Capparis zeylanica</i> L.	Capparaceae	Leaves crushed with water mixed with 250ml edible oil and



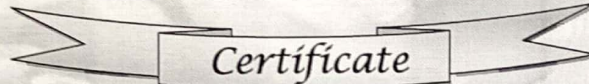
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समाजशास्त्रज्ञ डॉ. बाबासाहेब आंबेडकर

प्रा. डॉ. गणेश मालटे/श्री. भागवत भास्करराव पाटील

श्री शिवाजी विज्ञान व कला जि.प.शाळा, खंडाळा (म.), चिखली महाविद्यालय, चिखली

स्वतंत्र भारताचे पहिले कायदामंत्री, भारतीय संविधानाचे शिल्पकार, भारतीय न्यायशास्त्रज्ञ, अर्थशास्त्रज्ञ, राजनीतिज्ञ, तत्त्वज्ञ, समाजसुधारक, पत्रकार, वकील, दलित बौद्ध चळवळीचे प्रेरणास्थान आणि भारतीय बौद्ध धर्माचे पुनरुज्जीवक महामानव भारतरत्न डॉ. बाबासाहेब आंबेडकर होय. प्रचंड बुद्धिमत्ता, समाजासाठी असीम त्याग करणारे, दलित समाजाला हक्क मिळवून देणारे, महाडचा सत्याग्रह, मनुस्मृतीचे दहन, मंदिर सत्याग्रह, शेतकऱ्यांचा कैवारी, गोलमेज परिषद, पुणे करार, स्वतंत्र मजूर पक्ष, बहिष्कृत हितकारिणी सभेची स्थापना, दलित शिक्षण संस्थेची स्थापना, पीपल्स एज्युकेशन सोसायटीची स्थापना, महिलांसाठी कार्य, स्वातंत्र्य लढ्यात सहभाग अशा कितीतरी गोष्टी बाबासाहेब आंबेडकरांनी आपल्या जीवनात केल्या. समाजासाठी आपले संपूर्ण आयुष्य खर्ची घातले. समाजामधील तळागाळातील व्यक्तींचा प्रामुख्याने विचार केला. शिक्षणासाठी, समाजाच्या कल्याणासाठी आयुष्यभर संघर्ष केला. शिका, संघटित व्हा आणि संघर्ष करा, असा गुरुमंत्र दिला.

डॉ. बाबासाहेब आंबेडकरांनी समाजवादाचा पुरस्कार केला होता. परंतु त्यांना रशिया, चीन व इतर साम्यवादी देशातील एकपक्ष पद्धतीचा समाजवाद मान्य नव्हता. देशातील समाजवादी व्यवस्था, राजकीय तसेच आर्थिक क्षेत्रात लोकशाहीचा स्वीकार करून आणि उद्योगधंद्यावर सरकारची मालकी प्रस्थापित करून समाजवादी व्यवस्था प्रस्थापित होऊ शकते. असे त्यांना वाटत होते. डॉ. बाबासाहेब आंबेडकरांच्या एकंदर कार्यात सामाजिक सुधारणांना विशेषतः दलितोद्धाराच्या चळवळीला विशेष महत्त्व आहे. ते स्वतः एका अस्पृश्य कुटुंबात जन्मल्याने त्यांना अस्पृश्यतेचे अनेक वाईट अनुभव आले होते. म्हणूनच त्यांनी अस्पृश्यता नष्ट करणे आणि अस्पृश्यांचा सर्वांगीण विकास करणे हे आपल्या जीवनाचे पहिले ध्येय ठेवले होते. लक्षात ठेवा तलवारीच्या धारेपेक्षा लेखणीची धार कायम टिकणार आहे आणि सर्वात खतरनाक शस्त्र आहे म्हणून तलवार हातात न घेता लेखणी हातात घेऊन अन्यायावर मात करा. असे नेहमी समाजास समाजशास्त्रज्ञ डॉ. बाबासाहेब आंबेडकर सांगत असत.

डॉ. बाबासाहेब आंबेडकर यांचा समाजसुधारणाविषयक दृष्टिकोण एकोणिसाव्या शतकातील नेमस्त सुधारकांपेक्षा गुणात्मकदृष्ट्या भिन्न होता. नेमस्त सुधारकांनी सुचविलेल्या सुधारणा विधवा विवाह, केशवपन, विवाहाची वयोमर्यादा इत्यादी कौटुंबिक सुधारणांसंबंधी होत्या. त्यामुळे त्या सुधारणांमधून मूलभूत अशा सामाजिक सुधारणा झालेल्या नाहीत. मूलभूत प्रश्न सुटलेला नाही असे मत डॉ. आंबेडकरांनी या संदर्भात व्यक्त केले आहे. इतर लहान लहान सामाजिक सुधारणा होण्यासाठी मुळात सामाजिक विषमतेचा प्रश्न सुटला पाहिजे असे त्यांना वाटत होते. नेमस्त सुधारक आणि डॉ. बाबासाहेब आंबेडकर यांचात आणखी एक मुख्यतः फरक म्हणजे नेमस्त सुधारकांनी सुधारणांसाठी प्राचीन धर्मग्रंथांचा आधार घेतला आहे. यावर मात्र डॉक्टर आंबेडकरांना विश्वास नव्हता. अस्पृश्यता मान्य करणाऱ्या 'मनुस्मृती' या ग्रंथाची त्यांनी होळी केली होती. त्या काळातील नेमस्त सुधारक आणि डॉक्टर आंबेडकर यांच्या समाज सुधारणा दृष्टिकोणाबाबतचा आणखी एक फरक म्हणजे नेमस्त सुधारकांचा हृदय परिवर्तनावर विश्वास होता. मात्र हृदय परिवर्तनावर मर्यादा असतात असे मत डॉ. आंबेडकरांचे होते.

एक थोर भारतीय पुढारी, अस्पृश्यांचे नेते व भारतीय संविधानाचे शिल्पकार. रत्नाजिगिरी जिल्ह्यात मंडणगडाजवळ असलेले आंबडवे हे त्यांचे मूळ गाव. त्यांचे वडील रामजी सकपाळ हे लष्करात सुभेदार मेजर होते. ते

॥विद्या अमृतम् अश्नुते॥

Sahyadri Parisar Shikshan Prasarak Mandal, Pachal

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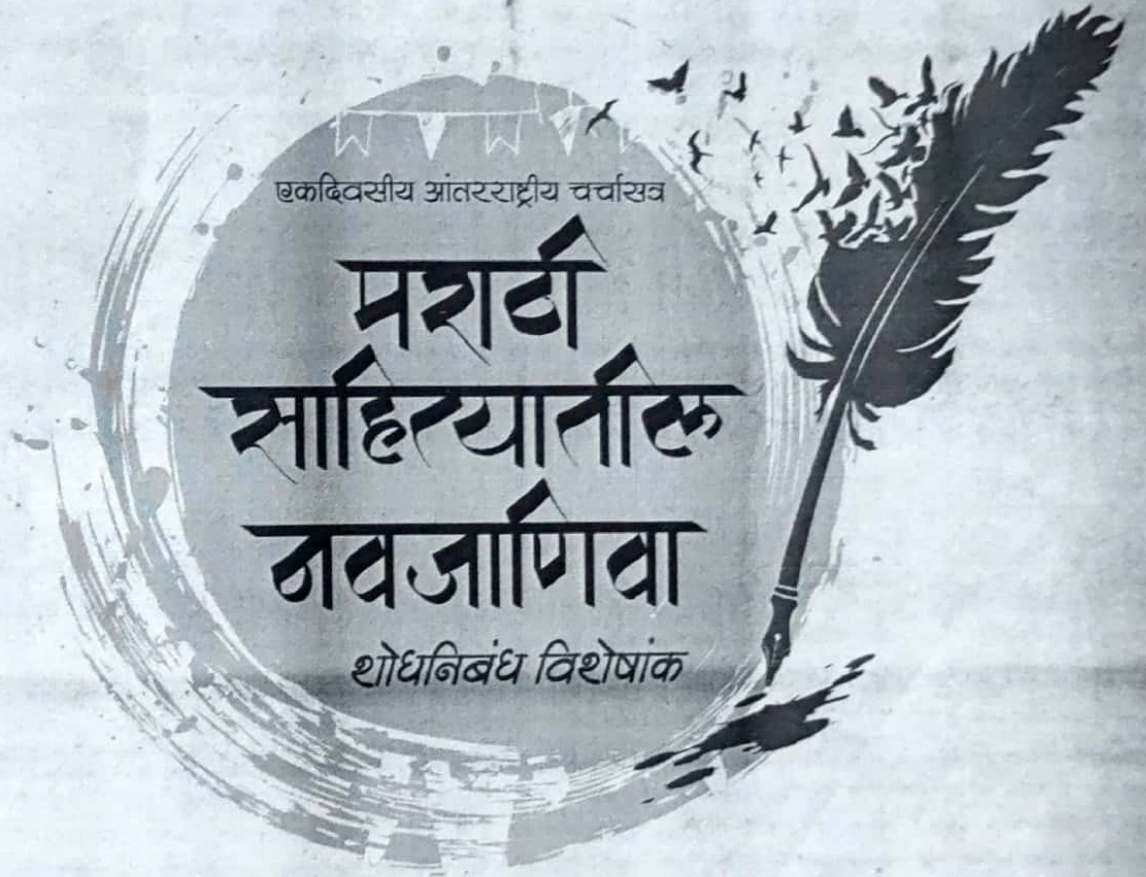
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ग्रामीण, दलित, स्त्रीवादी व आदिवासी साहित्यातील बदलते जीवनदर्शन

डॉ. गणेश गोपाळराव मालते

श्री शिवाजी विज्ञान व कला महाविद्यालय चिखली, जिल्हा बुलडाणा

१९६० नंतर मराठी साहित्यामध्ये ग्रामीण, दलित, स्त्रीवादी व आदिवासी असे विविध साहित्यप्रवाह रूढ होऊन या साहित्यप्रवाहांच्या माध्यमातून विविधांगी साहित्याची निर्मिती होऊ लागली. डॉ. बाबासाहेब आंबेडकरांच्या प्रेरणेने दलित साहित्याचा प्रवाह लवकर प्रवाहीत झाला. त्यामानाने इतर प्रवाह रूढ होण्यास बराच काळ लागला. सुरुवातीला मराठीतील प्रस्थापित साहित्यिकांनी या नवप्रवाहांचे अस्तित्व नाकारले. पण पुढे जेव्हा या साहित्यप्रवाहांना चळवळीचे स्वरूप प्राप्त झाले तेव्हा त्यांचे साहित्य प्रस्थापितांना मान्य करावे लागले. त्यातून पुढे हे प्रवाह मराठी साहित्यात स्थिर होऊ लागले.

साहित्यामध्ये वेगवेगळे वाङ्मय प्रवाह निर्माण होणे ही त्या त्या काळाची गरज असते. प्रवाहांची निर्मिती होणे हे त्या साहित्याच्या जिवंतपणाचे लक्षण असते. या नवप्रवाहामुळे वाङ्मयाच्या कक्षा रुंदावून अभिरुची बदलते, भाषा समृद्ध होते. नव्या अनुभवामुळे वाङ्मयाची उंची वाढते. नव्या लेखकांच्या उत्साहामुळे साहित्याला चळवळीचे रूप प्राप्त होते. त्यामुळे साहित्य समृद्ध आणि संपन्न बनते. (गोरवाणी, जुलै- डिसेंबर २००९)

दलित साहित्य हे डॉ. बाबासाहेब आंबेडकरांच्या प्रेरणेतून निर्माण झाल्यामुळे वेदना, विद्रोह आणि वैयक्तिकता ही मूल्ये या साहित्याच्या केंद्रस्थानी होती. दलित साहित्यात आत्मकथने व कविता मोठ्या प्रमाणात लिहिली गेली. देव, दैव नाकारून माणसाचे माणूसपण अधोरेखित केले गेले. बाबुराव बागूल हे महत्वाचे दलित कवी. माणसाला उद्देशून ते म्हणतात,

हे माणसा,

तूच सूर्याला सूर्य म्हटले आणि सूर्य सूर्य झाला

तूच चंद्राला चंद्र म्हटले, चंद्र चंद्र झाला

सगळ्या विश्वाचे नामकरण तूच केलेस.

मानवतावाद हाच विचार केंद्रस्थानी ठेवून दलित साहित्याची वाटचाल आंबेडकरी साहित्याच्या दिशेने होत आहे. ही फार मोठी आश्वासक बाब आहे.

भारत हा खेड्यापाड्याचा देश, शेती हा इथल्या जीवनाचा अविभाज्य भाग. खेड्यातील बहुतांश वर्ग आजही शेती करतो. बलुतेदारी पद्धती, गावगाडा यावर आधारीत साहित्य प्रवाह म्हणजे ग्रामीण साहित्य. मराठी साहित्यात दलित साहित्यात ग्रामीण साहित्य प्रवाह निर्माण झाला. ग्रामीण भागातील सुशिक्षित पिढी आपले विचार व्यक्त करू लागली. कथा, कविता, कादंबरी असे विविध साहित्यप्रकार या पिढीला अभिव्यक्तीसाठी खुणावत होते.

सुरुवातीची जानपद कविता बहुतेक निसर्ग वर्णनपर, श्रृंगारीक होती. जगदीश देवपूरकर यांच्या कवितेत,

माझं हिरवं सपान

तुझ्या डोळ्यात भरना

मी फुलात आले रे

तुला फुलोर दिसना (आभाळ देणं)

सुधाकर गायधनी यांची कविता चिंतनशिलतेच्या पातळीवरून शेतकऱ्याचे प्रश्न अधोरेखित करते.



संत गाडगे बाबा जगन्नाथजी विद्यापीठ जगन्नाथजी, संतगाडगे - शिक्षण प्रसारक मंडळ अकोला द्वारा संचालित



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नवजाणिवा
१६ फेब्रुवारी २०२२

प्रमाणपत्र

प्रमाणित करण्यात येते की,

प्रा. डॉ. श्री/श्रीमती **Dr Ganesh Gopalrao Malte**

महाविद्यालय **Shri shivaji Sci & Art's College Chikhli Di Buldana**

यांनी 'मराठी साहित्यातील नवजाणिवा' या आंतरराष्ट्रीय चर्चासत्रात बीजभाषक/ सत्राध्यक्ष/ शोधनिबंध वाचक/प्रतिनिधी म्हणून सहभाग घेऊन ग्रामीण दलित स्त्रीवादी व आदिवासी साहित्यातील जीवन दर्शन

या विषयावर आपला शोधनिबंध सादर केला. त्याबद्दल त्यांना हे प्रमाणपत्र देण्यात येत आहे.

प्रा. डॉ. श्रीकृष्ण काकडे
संलग्नक

प्रा. डॉ. शिवाजी नांगरे
मराठी विभाग प्रमुख

डॉ. जगदीश साबू
प्रधान

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