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## भास्कर चंदनशिव यांचे कथाविश्व

**DHANRAJ MANE**

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सारांश : साठोत्तरी काळात मराठी साहित्यात विविध साहित्य प्रवाह निर्माण झाले त्यामधील अत्यंत दमदार प्रवाह म्हणजे दलित साहित्य हा होय. कथा, कविता, कादंबरी, नाटक आणि आत्मचरित्र अशा विविध प्रकारात दलित साहित्य निर्माण झाले. दलित साहित्याच्या वेगवेगळ्या व्याख्या वेगवेगळ्या समीक्षकांनी मांडल्याने या संकलपनेत संभ्रम निर्माण झाला आहे.

## **POTENTIAL ROLE AND KINETIC STUDIES OF VARIOUS OPERATIONAL PARAMETERS ON DYE DECOLORIZATION AND DEGRADATION OF TRYPAN BLUE DYE**

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**Abstract:** High energy radiations such as Gamma radiations act as potential dye decolorizes by degrading them into simpler constituents without the cost of damaging the environment. Thus, with respect to the same, the present study deals with the investigation of decolorization of aqueous solutions of trypan blue dye, a diazo dye that has been widely used to colour dead tissues or cells selectively. Our study was formulated using Cobalt-60 as a gamma radiation source with a dosage of 0.386 kGy per hour. The investigation is accomplished in the light of the role of various operational parameters such as initial concentration of dye, gamma radiation dose, and pH of dye solution on the rate and extent of decolorization. The perusal of the investigation revealed the inverse proportionality of the effect of pH on our experimental dye solution and its rate of dye decolorization for different initial concentrations of dye solutions. The gamma radiation dose required for the complete decolorization was found to depend directly on the concentration of the dye solution. The kinetic studies of the dye decolorization and degradation were also carried out indicating first-order kinetics.

**Keywords :** Degradation, Gamma irradiation, radiation dosage, kinetics, first order.

## **MAX WEBER ON MEANING AND SOCIAL ACTION**

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**Abstract:** Social science investigated the social reality through the functional orientation but hardly emphasized Individual action as a mainstream exploration of meaning carried by him/her. For Max Weber, human action must be a central point for social science to understand the meaning and motive behind his action. The modest attempt of this paper is how Max Weber endeavors to display his interpretative understanding related to Social action and how we mismatch the meaning due to a lack of catching motive behind it. In this regard, Weber's key contributions may be attributed to his attempt to deal with the epistemological status of the social-scientific investigation. He did not have any interest in epistemological questions per se but addressed himself to them because their resolution was necessary to explain his own methods To catch the glimmers of societal reality, it is imperative, not often stick to the collective consciousness of society rather, the Individual essentially enroll the presence of his/her consciousness in the form of meaning rooted into the action performs by the individual in society

**Keywords :** Social action, Meaning, Motive, Interpretative understanding, Verstehen

## **RELEVANCE OF SOCIAL SCIENCES AND ITS ROLE IN DEFENCE OF DEMOCRACY**

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**Abstract :** What does anger mean? Is it emotion or just a thought process? If it is an emotion, where does it originate from? If it is from a thought process, then how does it occur? Can thought processes occur without collective consciousness? If it occurs, can we say it is individual consciousness, then how can individual consciousness be there without collective consciousness? Can emotion be formed independently of thought? Can thought exist independently of the social world? Can I conclude therefore anger is social and originate from collective behavior when a social action takes place rather than from individual defect? If anger is social in nature, then how do animals get angry? This type of aforementioned line of inquiry has no limitations and it is a continuous process. If one is too eager to understand and comprehend the essence of the above-mentioned line of inquiry, one must be a student of social sciences, this line of inquiry and critical thinking is a must in any kind of democratic society and that's exactly what Social sciences provide that space and opportunity and pave the way for egalitarian societies, thus this article is emphasizing upon importance of critical thinking aiming at the procurement of knowledge and relevance of social science which promotes critical thinking in the everyday process of social action, especially in democratic and opened societies

**Keywords :** Social science, defense, democracy

## **A STUDY ON THE BENEFITS AND CHALLENGES OF ELECTRIC VEHICLES : INDIAN CONTEXT**

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**Abstract:** In this highly competitive business world; with the development of new technology, there is an advancement in the automobile sector and the evolution of electric vehicles is the outcome of this advancement. Transport is an essential requirement of modern life, but the traditional combustion engine is quickly becoming obsolete. Petrol or diesel vehicles increase pollution and are being quickly replaced by fully electric vehicles. Fully Electric Vehicles (EV) have zero tailpipe emissions which are much better for the environment. The Indian Government is also taking initiatives to increase the number of electric vehicles in the automobile industry. The current study is secondary data based. In this paper, the economic and social benefits of EVs, challenges of Electric Vehicles (EVs) in the Indian context and also various business opportunities in the Electric Vehicle Sector (EVS) are discussed. It is observed that economic and social benefits of EVs are Cheaper to operate, Lower running costs, Low maintenance cost, Cost-Effective, Tax and financial benefits Environment Friendly, Health Benefits, No noise pollution, Convenience of charging at home and safe to drive. The challenges for EVs in Indian context are High EV cost and Battery Cost, Poor Infrastructure, Consumer Perception, increase in electricity demand at a national level, Lack of Awareness and Skill etc.

**Keywords :** Electric Vehicle (EV), Electric Vehicle Sector (EVS), Economic Benefits, Social Benefits.

## आनंद यादव यांची साहित्यिक वाटचाल

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सारांश : आनंद यादवांच्या लौकिक जीवनावर कोल्हापूर भागातील समाजस्थितीचा प्रभाव पडलेला दिसून येतो. एका कुळाने शेती करणाऱ्या कुटुंबात जन्माला आल्यापासून अठराविश्वे दारिद्रयात जगत असतांना शिक्षणाचा कोणताही वारसा नसतांना शिकण्याची जिद्द उराशी बाळगून अनेक हालअपेष्टा सहन करित आनंद यादवांनी एक यशस्वी प्राध्यापक पदापर्यंत पोहचून; न थांबता उत्कृष्ट साहित्यिक होण्याइतपत पल्ला गाठला. आपल्या साहित्यलेखनात त्यांनी मातीशी इमान राखून मातीच्या कविता लिहिल्या. आईमुलाचे प्रेम काव्यातून चित्रित केले. कथालेखनातूनही ग्रामीण जीवन उतरवले आहे. कादंबरी लेखनातून आत्मचरित्रात्मक कादंबऱ्यांच्या माध्यमातून स्वतःचा जीवनपट आणि संघर्ष चितारले आहे. सामाजिक कादंबऱ्यातून खेडेगावातील जीवन, रूढी, प्रथा, परंपरा, संस्कृती राहणीमान इत्यादींचे चित्रण केले आहे. सामाजिक कादंबऱ्यांतून समाजजीवन तसेच चरित्रात्मक कादंबऱ्यांतून थोर संतांचे चरित्र चित्रण केलेले आहे.

## **STATISTICAL STUDY ON EFFECTIVENESS OF COVID-19 VACCINE**

**JYOTI SHIWALKAR, AKSHAR PANCHAKSHARI,  
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**Abstract:** The government of India started vaccination drive, in phases, with two vaccines- Covishield and Covaxin to counter the exponential increase in the number of cases. The first phase of the Covid-19 vaccination drive started on 16<sup>th</sup> January 2021 and covered only healthcare workers and frontline workers. Before the start of the second wave of Covid-19 and the second phase of the vaccination drive, a total of 1.4 crores doses have been administered. The second phase of the Covid-19 vaccination drive to inoculate people aged 60 plus years and those aged with co-morbidities began on March 1. The present paper brings out the results of a study based on a survey conducted in September-October 2021 for having an idea about Covid vaccine effectiveness. The study is based on the information collected through a questionnaire using the telephonic interview method (following social distancing norms) from 606 Covid 19 affected people from known acquaintances, who were Covid positive after March 1, 2021, in Nagpur city. This was because the second phase of the vaccination drive in India started around this date. The collected data were analyzed by finding percentages and using large sample tests for specified values of population proportion as well as equality of two population proportions. Also, 95 % confidence intervals were constructed for the related population proportions.

**Keywords :** Vaccination, Large sample Test for Population Proportion(s),  
Confidence Interval

## संतों के सामाजिक सरोकार

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सारांश : हिंदी साहित्य के इतिहास में मध्य युग को स्वर्ण युग कहा गया है। यह और भी महत्वपूर्ण हो जाता है जब हम किसी विशेष विषय की चर्चा कर रहे हैं जिसका योगदान महत्वपूर्ण रूप से इसी काल खण्ड में रहा हो। मध्ययुग का समय संवत् 1375 से सं. 1700 तक का है। यह एक दौर था जब समाज पूर्णरूप से वर्ण व्यवस्था की जंजीर में जकड़ी हुई थी और समाज में व्यवस्था रखने का अधिकार स्वर्ण जातियों का था। 'पृथ्वी पर जो कुछ भी है, वह सब कुछ ब्राह्मण का है। ब्रह्मा के मुख से उत्पन्न तथा कुलीन होने के कारण यह सब ग्रहण करने का अधिकारी होता है।' व 'ब्रह्मा के मुख से उत्पन्न होने के कारण ज्येष्ठ होने और वेद के धारण करने के कारण ब्राह्मण ही सम्पूर्ण सृष्टि का स्वामी है।' वर्ण व्यवस्था ने ब्राह्मणों को एकाधिकार दे रखा था, क्षत्रियों और वैश्यों को कर्तव्यों के साथ कुछ अधिकार थे, वहीं शुद्रों के सिर्फ कर्तव्य थे किन्तु अधिकार नहीं। 'ब्रह्मा ने इन वर्णों की सेवा करना शूद्रों का प्रधान कर्म बनाया है।' वर्णाश्रम की परिकल्पना से सामाजिक षड्यंत्र की बू आती है। इस षड्यन्त्र से त्रस्त समकालीन संतों ने वर्ण व्यवस्था का खुलकर विरोध किया। इस व्यवस्था के स्थापक ब्राह्मण थे और उन्होंने धर्म की आड़ में लोगों में नफरत की आग फूंक दी। मनुष्य को मनुष्य से अलग कर दिया, एक में घृणा की भावना भर दी तो दूसरे में हीनता की भावना। सर्वसाधारण में ईश्वर का भय बताकर कर्मकाण्ड की गठरी लाद दी और उस भय से बचने के लिए बाह्य आडम्बरों का पुल बांध दिया।

**PROTANDRY; CONFLICTING EVIDENCE ABOUT SEX-SPECIFIC TRADE-OFFS IN *CULEX QUINQUEFASCIATUS* SAY (DIPTERA: CULICIDAE)**

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**Abstract:** Protandry, the adaptive significance of sex-biased development and time dominance of males to be ready for mating earlier than females is found in many animal taxa. This study investigated the sex ratio during emergence in the mosquito *Culex quinquefasciatus*, vector of lymphatic filaria. A total of 690 eggs of five egg raft of *Culex quinquefasciatus* were considered as five replicates for the experiment. Although 641 eggs hatched but only 602 exhibited complete emergences. Mortality rate during emergence was 7%. The sex ratio of completed emerged adults exhibited a slight male dominance, i. e. 52.15% males over 47.84% females. Male mosquitoes mature earlier than female mosquitoes in relation to time of the same egg raft, according to the graph of maturation in all five repetitions. *Culex quinquefasciatus* exhibits protandry during emergence, according to these findings.

**Keywords :** Protandry, *Culex quinquefasciatus*, filaria, dominance, emergence.

# **EMERGENCE OF E-LEARNING: CHALLENGES AND BENEFITS OF ONLINE LEARNING SYSTEM IN EDUCATIONAL INSTITUTES OF BHILAI CITY OF CHHATTISGARH STATE**

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**Abstract :** E-Learning is one of the most used terms after the pandemic, COVID-19. In the education system in India, the term E-Learning and Online-learning is majorly used when COVID-19 triggered the offline teaching methodology. This is new normal in education is the increased use of online learning tools. All around the world, educational institutes are looking toward learning platforms to continue with the process of education with online learning at the core of this transformation. Today, learning patterns opted for digital learning mode. For many educational institutes of Bhilai city, online learning is an entirely new way of education that they have to adopt. E-learning is now applicable not just to learning academics but also extends to learning extracurricular activities for students as well. In recent months demand for online learning systems has risen significantly and also has its challenges and benefits to the education system. This paper deals with the challenges and benefits of the online learning system in educational institutions of Bhilai city during the COVID-19 situation.

**Keywords :** Online learning, E-learning, Benefits, Challenges, Education System, Transformation.

## **DIASPORIC LITERATURE FROM THE PERIPHERY-AFGHANISTAN AND BHUTAN**

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**Abstract:** The complex phenomena of South Asian migration resulted in evolving the South Asian diaspora raising all the related questions of immigrants like loss of homeland, sense of not belonging, rootlessness, identity crisis, inter-generational conflicts, nostalgia, and the urge to return home. This brings to fore the concept of home in the diasporic structure which becomes the ultimate utopian dream of an immigrant. The present paper explores the not-so-significant voices of women writers from the minor league SAARC nations of Afghanistan and Bhutan. Their representations of diasporic discourses are important because they offer a fresh outlook and an alternative perspective on female realities. I probe how the new hybrid diasporic experiences create independent women defying stereotypes while producing different perceptions of home. My paper is an attempt to map the 'woman space' created by these South Asian women writers of the diaspora. The methodology employed in my essay is hybrid by definition, as it uses both feminist and postcolonial theory traversing third-world feminism, focusing on texts and theorists which are at their intersection.

**Keywords :** Women, South Asian Diaspora, Home, SAARC, periphery.

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