



MUGBERIA GANGADHAR MAHAVIDYALAYA

P.O.—BHUPATINAGAR, Dist.—PURBA MEDINIPUR, PIN.—721425, WEST BENGAL, INDIA

NAAC Re-Accredited B+Level Govt. aided College

CPE (Under UGC XII Plan) & NCTE Approved Institutions

DBT Star College Scheme Award Recipient

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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



DOCUMENTARY EVIDENCE



MUGBERIA GANGADHAR MAHAVIDYALAYA


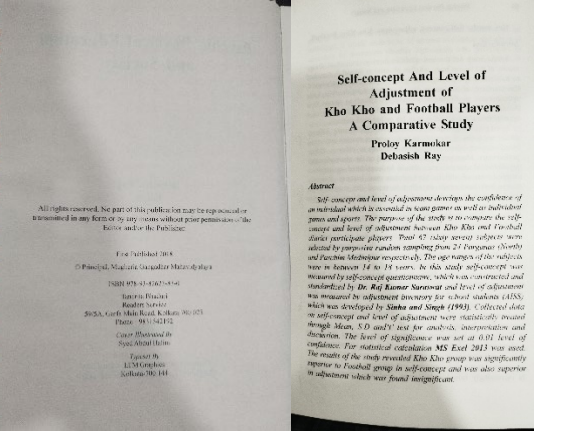
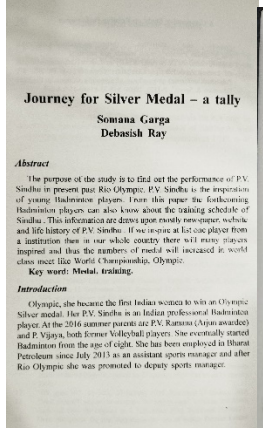
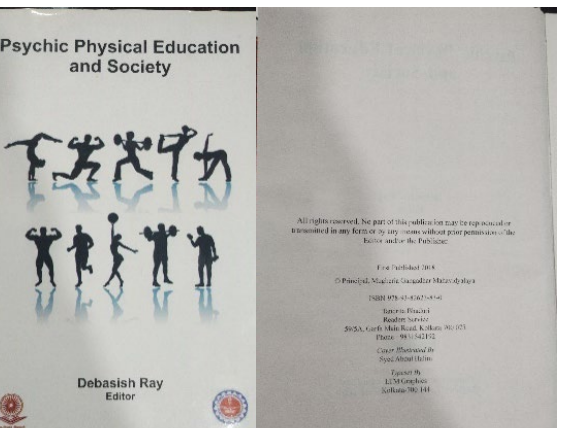
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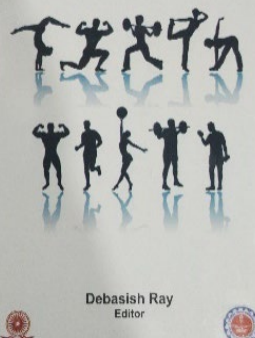

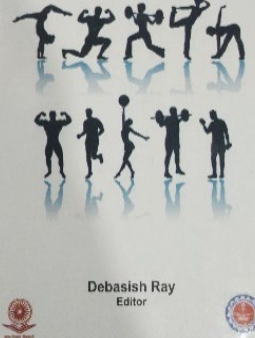
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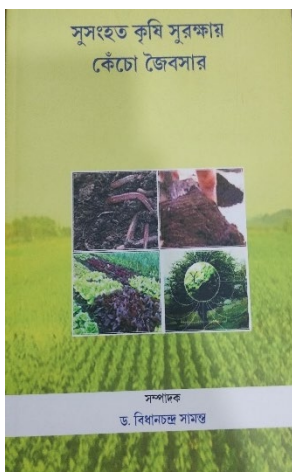
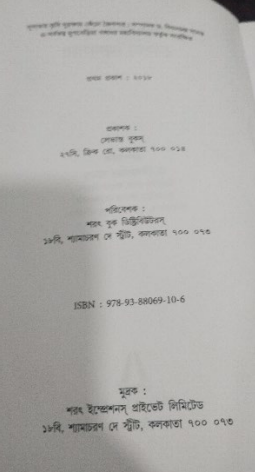

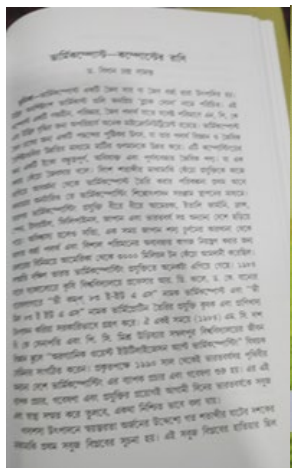

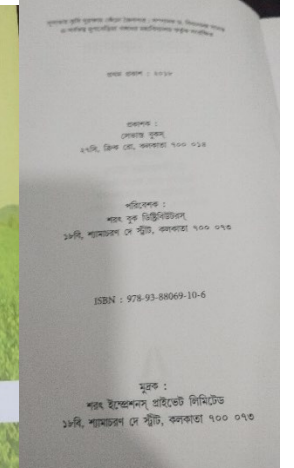
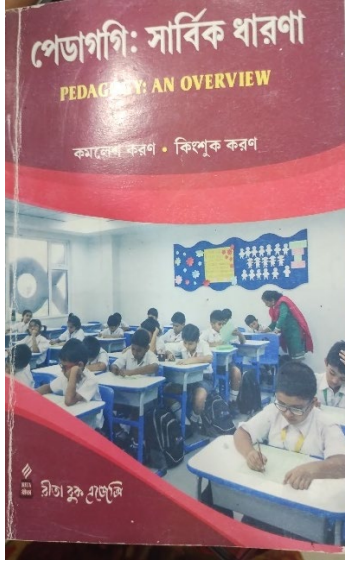
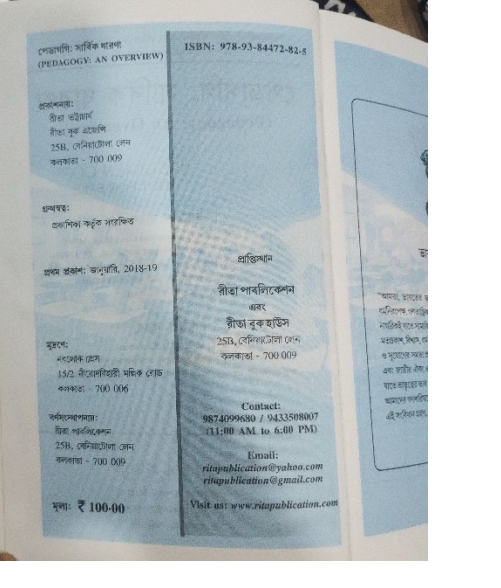
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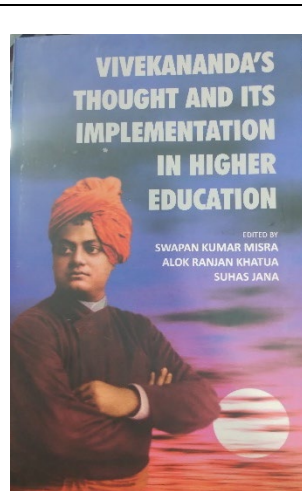
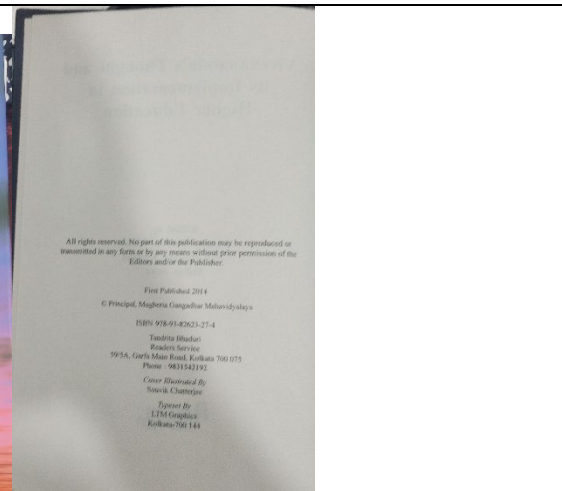

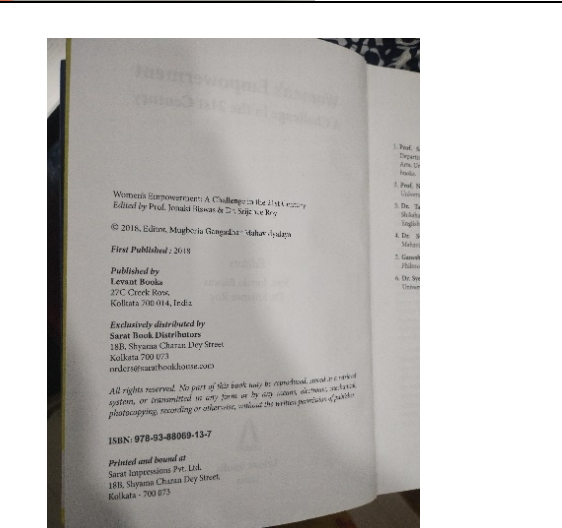
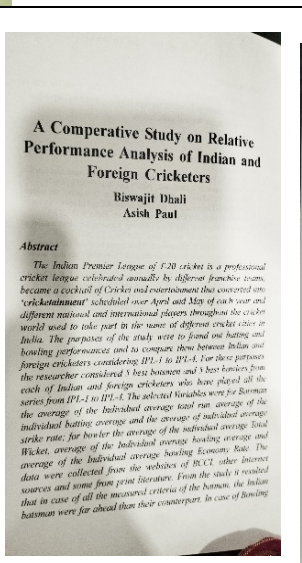
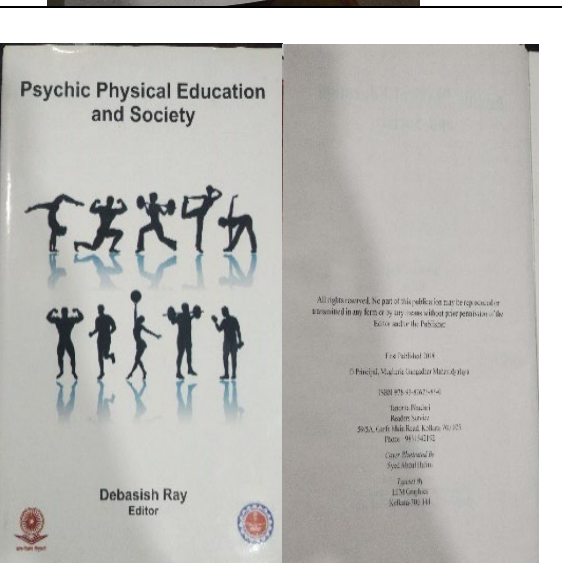
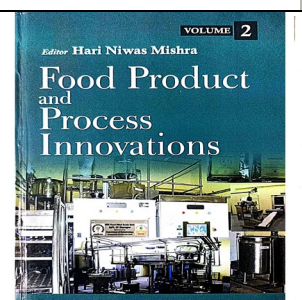
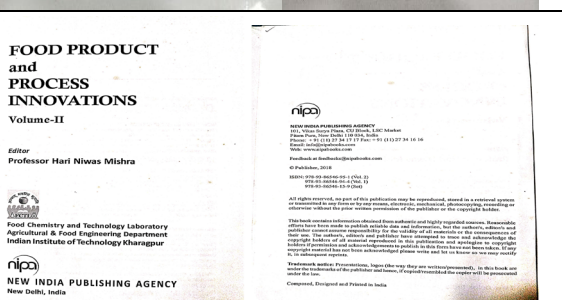
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SL.	Name of the teachers	<h2>DOCUMENTARY EVIDENCE</h2>	
1.	<p>Dr. Debasis Ray Psychic Physical Education and Society Self-concept And Level of Adjustment of Kho Kho and Football Players A Comparative Study</p>	 <p>Psychic Physical Education and Society</p> <p>Debasish Ray Editor</p>	 <p>Self-concept And Level of Adjustment of Kho Kho and Football Players A Comparative Study Proloy Karmakar Debasis Ray</p> <p>Abstract Self-concept and level of adjustment describes the confidence of an individual which is essential in team games as well as individual games and sports. The purpose of the study is to compare the self-concept and level of adjustment between Kho Kho and Football like participants players. Total 67 subjects were selected were selected by purposive random sampling from 217 participants. Kho Kho and Football like players respectively. The age ranges of the subjects were in between 14 to 18 years. In this study self-concept was measured by self-concept questionnaire, which is an conceptual and standardized by Dr. Raj Kumar Narasim and level of adjustment was measured by adjustment inventory for school children (AIS), which was developed by Sinha and Sinha (1993). Collected data on self-concept and level of adjustment were statistically treated through Mean, S.D and T-test for one-tail, unpaired-t and t-test. The level of significance was set at 0.01 level of confidence. For statistical calculation MS Excel 2013 was used. The results of the study revealed Kho Kho group was significantly superior to Football group in self-concept and was also superior in adjustment which was found insignificant.</p>
2.	<p>Dr. Debasis Ray Psychic Physical Education and Society Journey for Silver Medal - a tally</p>	 <p>Journey for Silver Medal – a tally Somana Garga Debasis Ray</p> <p>Abstract The purpose of the study is to find out the performance of P.V. Sindhu in present plus Rio Olympic. P.V. Sindhu is the reputation of young Indian women players. From this paper the following Indian women players can also know about the training schedule of Sindhu. This information are done upon mostly newspaper, website and life history of P.V. Sindhu. If we receive at least one player from a institution then in our whole country there will many players inspired and thus the numbers of medal will increased in world class medal like World Championships, Olympic.</p> <p>Key word: Medal, training.</p> <p>Introduction Olympic, she became the first Indian women to win an Olympic Silver medal. The P.V. Sindhu is an Indian professional Badminton player. At the 2016 summer paralympic P.V. Ramesh (Aparna Parthasarathy) and P. V. Vignesh, both former Paralympic players. She eventually started badminton from the age of eight. She has been employed in Bharat Petroleum since July 2013 as an assistant sports manager and after Rio Olympic she was promoted to deputy sports manager.</p>	 <p>Journey for Silver Medal – a tally Somana Garga Debasis Ray</p> <p>Abstract The purpose of the study is to find out the performance of P.V. Sindhu in present plus Rio Olympic. P.V. Sindhu is the reputation of young Indian women players. From this paper the following Indian women players can also know about the training schedule of Sindhu. This information are done upon mostly newspaper, website and life history of P.V. Sindhu. If we receive at least one player from a institution then in our whole country there will many players inspired and thus the numbers of medal will increased in world class medal like World Championships, Olympic.</p> <p>Key word: Medal, training.</p> <p>Introduction Olympic, she became the first Indian women to win an Olympic Silver medal. The P.V. Sindhu is an Indian professional Badminton player. At the 2016 summer paralympic P.V. Ramesh (Aparna Parthasarathy) and P. V. Vignesh, both former Paralympic players. She eventually started badminton from the age of eight. She has been employed in Bharat Petroleum since July 2013 as an assistant sports manager and after Rio Olympic she was promoted to deputy sports manager.</p>

<p>3.</p>	<p>Dr. Debasis Ray Psychic Physical Education and Society Review on Physical Consciousness Among the Youth of this Age</p>	<p>Review on Physical Consciousness Among the Youth of this Age Anirban Panda Debasish Ray</p> <p><i>Abstract</i></p> <p><i>Fitness is needed for each and every human being, but all aged person are not concern about their fitness for their daily life. At present, we can see every age category person passively regarding their physique which becomes a menace especially for youth generation. Purpose of the study: The purpose of the study is to find out physical awareness of youth generation in modern age. Significance of the study: The study was given in the absence about physical awareness. Less understanding regarding physique woman was elaborated that, women can not benefit or overcome their children's concept on physique matter. The study also marks a guide line for society for sponsoring bad impact on physical awareness.</i></p> <p><i>Several studies collected by the researcher and taken the crucial as well as allied reviews to establish the fact and impact on physical awareness with the special emphasis on youth generation. Allied literature collected from internet search engine like Google scholar, Google advance search, PubMed, as well as online Magazine and some daily news paper.</i></p> <p><i>Fitness is needed for all but its wants its tendency some way is not good which is extremely viable in case youth generation. Finally, researcher concluded that we need dynamics free probing healthy life through the daily exercise for all age category including youth generation.</i></p>	<p>Psychic Physical Education and Society</p>  <p>Debasish Ray Editor</p>	<p>All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without prior permission of the Editor and the Publisher.</p> <p>First published 2018 © Panchajanya Publishers & Distributors Pvt. Ltd. ISBN 978-81-937474-0-6</p> <p>Author: Debasish Ray Reader Service: Panchajanya Publishers & Distributors Pvt. Ltd. Phone: 91-9434131212 Cover Design: Anirban Panda Typeset by: Anirban Panda Software: MS Word</p>
<p>4.</p>	<p>SK Khabhiruddin Psychic Physical Education and Society Ethnographic Approach on Traditional Games and Sports of North-East India</p>	<p>Ethnographic Approach on Traditional Games and Sports of North East India Sk. Khabiruddin Samiran Mondal</p> <p><i>Abstract</i></p> <p><i>Background: The north east state of India has become gradually popular arena for travel as well as urban anthropological research on sports, like ethnicity, poverty, class, and sub-cultural variations. Games and Sports, being one of the leisure time recreations have become a typical subculture in present day of India and North East in one of them. Aim: The aim of the review study is to observe the ethnographic approach on Traditional Games and Sports of North East India. Significant: Sociocultural anthropologists try to study games or sports as specific culture trait as a possession in their structure, function which is conceptual and symbolic, while attempting the structure and diffusion of a given society (Kroeber 1938; Hertzfeldt, 1936; Boas, 1961). Conclusion: North East of India includes, Tripura, Assam, West Bengal, Meghalaya, Arunachal Pradesh, Mizoram, Manipur, Jharkhand and Assam. The traditional games and sports in North East India are: Mautam, Jhumka, and Sohra. The traditional games and sports in North East India are: Mautam, Jhumka, and Sohra. The traditional games and sports in North East India are: Mautam, Jhumka, and Sohra.</i></p>	<p>Psychic Physical Education and Society</p>  <p>Debasish Ray Editor</p>	<p>All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without prior permission of the Editor and the Publisher.</p> <p>First published 2018 © Panchajanya Publishers & Distributors Pvt. Ltd. ISBN 978-81-937474-0-6</p> <p>Author: Debasish Ray Reader Service: Panchajanya Publishers & Distributors Pvt. Ltd. Phone: 91-9434131212 Cover Design: Anirban Panda Typeset by: Anirban Panda Software: MS Word</p>
<p>5.</p>	<p>SK Khabhiruddin Psychic Physical Education and Society Effect of Suryanamaskar on Selected Motor Fitness Components of High School Female Students</p>	<p>Effect of Suryanamaskar on Selected Motor Fitness Component of High School Female Students Subhrani Gupta SK. Khabiruddin</p> <p><i>Abstract</i></p> <p><i>The purpose of the study is to find out the effect of Suryanamaskar on selected motor fitness components of high school female students. The study was conducted in the form of a quasi-experimental study. The study was conducted in the form of a quasi-experimental study. The study was conducted in the form of a quasi-experimental study.</i></p> <p>Keywords: Fitness, Physical Fitness, Motor Fitness, Suryanamaskar.</p>	<p>Psychic Physical Education and Society</p>  <p>Debasish Ray Editor</p>	<p>All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without prior permission of the Editor and the Publisher.</p> <p>First published 2018 © Panchajanya Publishers & Distributors Pvt. Ltd. ISBN 978-81-937474-0-6</p> <p>Author: Debasish Ray Reader Service: Panchajanya Publishers & Distributors Pvt. Ltd. Phone: 91-9434131212 Cover Design: Anirban Panda Typeset by: Anirban Panda Software: MS Word</p>
<p>6.</p>	<p>Dr. Aditya Narayan Adak Psychic Physical Education and Society Search for Play Reason of Girls in West Bengal</p>	<p>Search for Play Reason of Girls in West Bengal Adityanarayan Adak</p> <p><i>Abstract</i></p> <p><i>In this investigation the researcher was tried to find out the main cause or reasons of playing and discover a new dimension of play theory. Total two hundred and seventy (170) girls were randomly selected from West Bengal. The researcher was finally divided into three groups according to their age i.e. 10-14, 14-18 and 18-22 year age group. The researcher was self-constructed a single multiple type question with different five options i.e. Why do you play? (A) for recreation, (B) for health development, (C) to make a goal player, (D) influence by others and (E). For professional development. The subject are individually solved this question. One individual subject was select only one reason from the five options confidently. The number of girls, who play for recreation, was gradually decreased with the increased of their age. Girls play for developed their health this reason of play was developed with the increasing age. A small number of girls play for make a goal player and this numbers was gradually decreased with the increased of their age up to 18 years. This minimum numbers remain same in 14 to 18 and 18 to 22 years age group. A maximum number of girls influenced by others to play this number was gradually decreased with the increased of their age. The number and percentage of girls who play for professional development or being job, this number was highly increased with the increased of their age from 16 to 22 years.</i></p>	<p>Psychic Physical Education and Society</p>  <p>Debasish Ray Editor</p>	<p>All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without prior permission of the Editor and the Publisher.</p> <p>First published 2018 © Panchajanya Publishers & Distributors Pvt. Ltd. ISBN 978-81-937474-0-6</p> <p>Author: Debasish Ray Reader Service: Panchajanya Publishers & Distributors Pvt. Ltd. Phone: 91-9434131212 Cover Design: Anirban Panda Typeset by: Anirban Panda Software: MS Word</p>

<p>7.</p>	<p>Arup Mahato Psychic Physical Education and Society A Survey on Different Injuries of Club level Football Players</p>	<p>A Survey on Different Injuries of Clublevel Football Players Arup Mahato Tapash Roychowdhury Atanu Ghosh</p> <p><i>Abstract</i> Soccer is the most popular sport worldwide. More than 200 million people play soccer around the world. According to a survey of a federative International de Football Association (IFA), the average seasons cost is 150 US\$. It shows per season that leads to about 30 billion dollars a year for treatment of injuries in soccer around the world. Soccer injury is a general want. To find out the common injury of club level football players and how to prevent injury of football players. The subject of the study was soccer and club level injured footballers. The subjects were randomly selected from different clubs, coaching camp, University football players and various tournaments. A total number of 120 subjects selected for the study. In the present study it had been observed that the four different groups of footballers (goalkeeper, midfielder, forward and defender) had common nature of injuries like ligament sprains, muscle and bone, where the rate of knee injuries was higher than other nature of injuries. Only shoulder injuries are found higher for goalkeepers.</p> <p><i>Introduction</i> Soccer is the most popular sport worldwide. More than 200 million people play soccer around the world. According to estimates</p>	<p>Psychic Physical Education and Society</p>  <p>Debasish Ray Editor</p>	<p>All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without prior permission of the Editor and/or the Publisher.</p> <p>First published 2014 © Psychic Physical Education Society ISSN 0975-0142/14-14 Editor: Debasish Ray Editorial Office: 26/23, Park Main Road, Kolkata, 700 071 Phone: 981-521212 Cover Photo: Anup Kumar Ghosh Typeset by: LITM Graphics Softcover: 70 x 114</p>
<p>8.</p>	<p>Mimu Seikh Psychic Physical Education and Society Assessment of Anxiety among teacher trainees of B. P. Ed</p>	<p>Muslim Women and Their Barriers in Sports Participation Sonam Sultana Mimu Seikh</p> <p><i>Abstract</i> This study is a primary attempt to describe the concept of Muslim women participation in games & sports in Islam along with its practices and principles. The population of this study was all Muslim female students are selected from different colleges of four districts in West Bengal (Dishpur, Bardhaman, Purba Medinipur and South Medinipur). Total 75 female students are selected from within the population through convenient or available sampling technique. For the purpose of collection of data a structured questionnaire on three point Likert scale, ranging from disagree (1) to 1 point agree (3 points), was used. The main objective of the study was to know about the problem facing by the Muslim girls & women in sports participation. The results of the study indicated that Muslim women can experience particular problems in games & sports participation with their ethnicity, culture, dress codes but they like sports and they want to participate in sports for overall development. But their parents, family members, relatives are not encouraged them to participate in sports but the society members further confirmed that Islam permits the women to participate in sports for good health, fitness and healthy life style after observing the Islamic dress code in West Bengal.</p> <p>Keywords: Muslim women, Problem, Islam, Sports participation</p>	<p>Psychic Physical Education and Society</p>  <p>Debasish Ray Editor</p>	<p>All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without prior permission of the Editor and/or the Publisher.</p> <p>First published 2014 © Psychic Physical Education Society ISSN 0975-0142/14-14 Editor: Debasish Ray Editorial Office: 26/23, Park Main Road, Kolkata, 700 071 Phone: 981-521212 Cover Photo: Anup Kumar Ghosh Typeset by: LITM Graphics Softcover: 70 x 114</p>
<p>9.</p>	<p>Mimu Seikh Psychic Physical Education and Society Muslim Women and Their Barriers in Sports Participation</p>	<p>Assessment of Anxiety among teacher trainees of B. P. Ed. Mimu Seikh Abhijit Thander</p> <p><i>Abstract</i> Objective: The purpose of the study was to assess the level of anxiety among the B.P.Ed teacher trainees of Maghera Gangadhar Mahavidyalaya. Method & Design: The population of this study was all male students. Total 18 respondents age ranging from 21 to 28 years are selected from within the population through convenient or available sampling technique. For the purpose of collection of data a structured questionnaire on three points scale, Beck Anxiety Inventory (BAI). This scale is a self-report measure of anxiety was used. The basic statistical parameters were calculated for all the data: the mean, standard deviation. The data was processed by means of the SPSS Excel Data Analysis tool pack. Results: The results reveals that the teachers trainees of B.P.Ed show low level of anxiety in BAI. Where 61.2% in low, 31.0% in moderate & 5.5% in under the potentially concerning levels of anxiety in Beck Anxiety Inventory. Conclusion: Within the limitation of the study it may be concluded that the teachers trainees of B.P.Ed have a moderate level of anxiety. Keywords: Anxiety, B.P.Ed teacher trainees.</p> <p><i>Introduction</i> Modern time is characterized by an era of tension, anxiety,</p>	<p>Psychic Physical Education and Society</p>  <p>Debasish Ray Editor</p>	<p>All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without prior permission of the Editor and/or the Publisher.</p> <p>First published 2014 © Psychic Physical Education Society ISSN 0975-0142/14-14 Editor: Debasish Ray Editorial Office: 26/23, Park Main Road, Kolkata, 700 071 Phone: 981-521212 Cover Photo: Anup Kumar Ghosh Typeset by: LITM Graphics Softcover: 70 x 114</p>

<p>10</p>	<p>Dr. Bidhan Chandra Samanta Use of Vermicompost in Agriculture</p>			
<p>11.</p>	<p>Dr. Bidhan Chandra Samanta Use of Vermicompost in Agriculture Vermicompost: The Queen of Compost</p>			
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<p>15.</p>	<p>Biswajit Dhali Psychic Physical Education and Society A Comparative Study on Relative Performance Analysis of Indian and Foreign Cricketers from Ipl-1 to Ipl-4</p>		
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<p>17.</p>	<p>Dr. Apurba Giri Phytosterol and Its Applications to Develop Healthy Foods</p>		
<p>18.</p>	<p>Irani Banerji Chatterjee Introducing Film Geography: Approaches to a Popular Sub field</p>		
<p>19.</p>	<p>Biswajit Samanta Sattarer Jwalanta Dalil : Kobi Srijan Sener Kobita</p>		
<p>20.</p>	<p>Taniya Neogi Unearthing Silenced Matrilineal Legacies of the Indo-Caribbean Diaspora in Ramabhai Espinet's The Swinging Bridge</p>		

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A Price Discount Scheme for Non-Instantaneous Inventory System with Shortage
 Publisher: IEEE [Cite This] [PDF]
 Abhijit Barman; Kalipada Maity; Oishi Banik; Tannayee Datta; Nimal Majumder All Authors
 16 Full Text Views
Abstract
 Abstract: Optimal pricing and replacement policies are the two significant factors in a deteriorating inventory model. These papers address an EOQ model for a non-instantaneous inventory system in a three-stage inventory level. Price-sensitive market demand has been assumed to predict the uncertain market. A price discount policy has been analyzed during the periods of deterioration. In addition, a shortage in the retailer's inventory has been considered with a partial backlogging rate. The objective of this research is to find the optimal product pricing, inventory cycle length, and inventory cycle length so that the optimal profit will be maximized. Finally, a numerical illustration is presented to validate the proposed model, and sensitivity analyses are carried out to

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Optimal Control of Dengue-Chikungunya Co-infection: A Mathematical Study
 Anupam De, Kalipada Maity, Goutam Panigrahi & Manoranjan Maiti
 Conference paper | First Online: 15 April 2021
 271 Accesses
 Part of the *IFIP Advances in Information and Communication Technology* book series (IFIPAICT, volume 623)
Abstract
 In the present work, we developed a mathematical model for dengue-Chikungunya co-infection to analyze the disease transmission dynamics and interrelationship. We considered the essence of time dependent optimal control with the help of Pontryagin's maximum principle. The result of diverse combinations of control measures is analyzed and shown

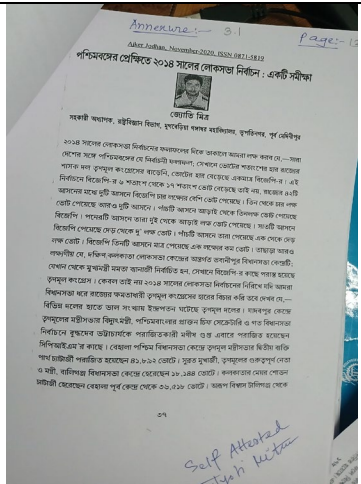
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Stability Analysis of Imprecise Prey-Predator Model
 Anupam De, Debnarayan Khataua, Kalipada Maity, Goutam Panigrahi & Manoranjan Maiti
 Conference paper | First Online: 15 April 2021
 268 Accesses
 Part of the *IFIP Advances in Information and Communication Technology* book series (IFIPAICT, volume 623)
Abstract
 Since the last few decades, the prey-predator system delivers attractive mathematical models to analyse the dynamics of prey-predator interaction. Due to the lack of precise information about the natural parameters, a significant number of research works have been carried out to take care of the impreciseness of the natural parameters in the prey-predator models. Due to direct impact of the imprecise parameters on the variables, the variables also become imprecise. In this paper, we developed an imprecise prey-predator model considering both

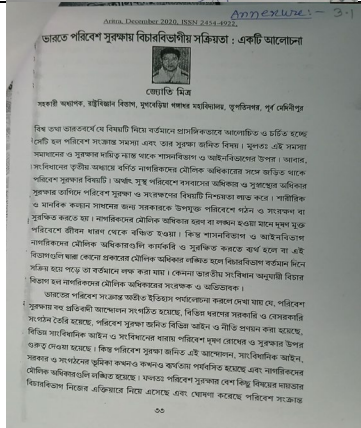
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25. Jyoti Mitra
পশ্চিমবঙ্গের প্রেক্ষিতে ২০১৪ সালের লোকসভা নির্বাচন:- একটি সমীক্ষা



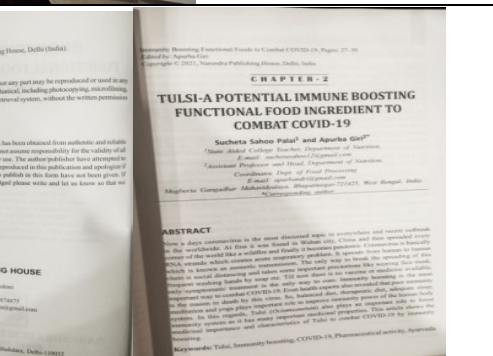
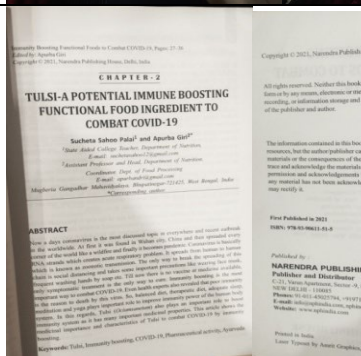
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43 Raju Majumdar
Echinodermata larva, their distribution, habits, characters and phylogeny

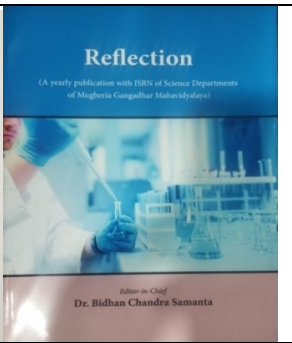
Echinodermata Larva, Their Distribution, Habits, Characters and Phylogeny

Adarsh Bose, Shikharshu Saha, Prati Saha, Subhankar Samanta, Anandika Das, Nilanjan Mishra, Anand Mandal, Raju Majumdar, Parvina Akmal and Sourav Sikdar*
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Abstract
Larval development of different echinoderms are reviewed. For each class, the various larval types, common features of them, larval developmental patterns in terms of life cycle character traits and responses to larval stages, phylogenetic distribution of these traits, and evolutionary transitions are described. The echinodermata, including the phlebobranchs, are described in terms of their habits, habits, distribution, and phylogeny, but they are not included in the present study. Direct development has been documented in asteroids, schinoderms, and cephalopods. From this review, it may be concluded that on developmental evolution the echinodermata have increased in complexity and life cycle character traits. The present study is the first attempt to describe the larval and life cycle evolution in echinoderms. First is the limited understanding of developmental diversity and lack of good phylogenetic tree.

Keywords: Echinodermata, larva, phylogeny, evolution, development

Introduction
Echinodermata or the "spiny skinned" animals are a unique group of radially symmetrical animals, basically slow moving, marine animals of very ancient origin. They constitute considerable proportion of the animal life of the seas. The echinoderms most commonly known even to the those who have seen them in sea beach, are the starfish or brittle stars which have become virtually symbol of sea beach. Other forms, such as brittle stars, sea urchins, sea cucumbers and sea stars are also known as sea beach animals (1).



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লেখকগণ ও চিত্রিত ব্যক্তিগণের নাম, দেশীয় ভাষায় লেখা ও ছবিচিত্রিত গল্প

সাহিত্যের নানা আঙ্গিক

সম্পাদনা
সম্পাদনা চ্যাটার্জী
দীপঙ্কর ঘোষ
দেবদীপ বীহার
বলরাম ব্যাপারী

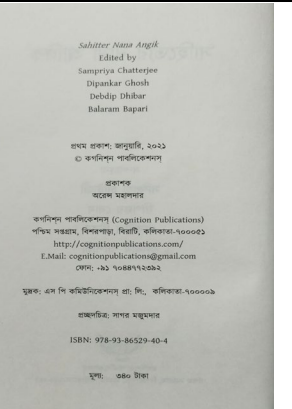
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45 Wadut Shaikh
Coexistence of γ and octupole bands in ^{100}Ru

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Proceedings of the DAE Symp. on Nucl. Phys. 65 (2021)

Coexistence of γ and octupole bands in ^{100}Ru

A. Karmakar¹, P. Datta², H. Pal³, S. Ali⁴, W. Shaikh⁵, S. Bhattacharya⁶, G. Mukherjee⁷, S. Das⁸, S. Basu⁹, S. Nandi¹⁰, S. S. Nayak¹¹, Soumik Bhattacharya¹², S. Das¹³, H. Rana¹⁴, S. S. Ghugre¹⁵, B. Bandyopadhyay¹⁶, and S. Chattopadhyay¹⁷

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⁷ IEM, Kolkata, India and
⁸ KTH, The Royal Institute of Technology, Stockholm, Sweden

Introduction
Nucleus can be considered as a finite many-body quantum system. So, it consists of myriad information on fundamental symmetry. As an example, symmetry breaking that arises from any kind of shape deformation, generally has lower energy. Spontaneous symmetry is mostly eliminated by the concept of surface vibration of a quadrupole deformed nuclei[1]. Oscillations may happen along the symmetric direction also. If oscillations are in the

The prompt gamma rays were detected using a multi-detector gamma array consisting of 11 Compton suppressed clover HPGe detectors and 7 LEPS detector. The clover detectors were at three angles, 40°(2 clovers), 90°(6 clovers) and 120°(3 clovers), while the LEPS detector was at 40°. The FPGS-16 digitizer-based data acquisition system and HICUP package [2] developed by UGCDAE, CSI, Kolkata, was used to record and process the data. The target was placed at a distance of

46 Irani Banerji Chatterjee
River as a Landscape Feature in Bengali Cinema: A Transactional theory analysis with special reference to Titas Nodir Naam

River as a Landscape Feature in Bengali Cinema: A Transactional theory analysis with special reference to Titas Nodir Naam

Irani Chatterjee*
Mitaly Mukhopadhyay**

Abstract: Geography is a unique multifaceted discipline that enlightens the interaction of human and environment. Spatial location, cultural norms, aesthetic exposure, and economic parameters, all are reflected in human (man) ways to adapt and relate to the environment. This forms the process of the study of geography where earth is studied with respect to human interaction. Cinema, often known as "image event", in both an art form which captures the cultural life of human and his interaction to nature. It can often be termed as a science when it illustrates the structure and configuration of its landscape. It is considered a technical medium that has the power to display man-environment relation with some technical detailing and remote visual exposure.

Also, in cinema, the environment (often called surrounding) is pervasive that exposes narration. The events and characters inside the cinema interact and set stage for the narration, which often ignores the audience and his relation to the image and his similar responses into the man-environment interaction process. Geographers who investigate the man-environment relation in the digital visual medium often consider cinema as a representational medium and thus merely landscape over landscape. With the increasing research into film geography in the last twenty years, geographers, however, started exploring the meaning of landscape depicted in the cinematic narration and try to expose the natural world in the light of the popular medium.

The present paper tries to investigate the foregrounding of the backdrop of space in the light of transactional theory that juxtaposes the man-environment relation in a binary structure of modeling. The changing perspective of environment and human response is in both inside the cinematic narration and outside it is also dealt in here. The paper takes up examples from the renowned director Ritwik Ghatak's colorized masterpiece Titas Nodir Naam (A River called Titas) and elaborates on the analysis of man-environment relation thereby depicting its genre and inclusion the study of geography in general and film geography in particular. The study involves synthesis of imagery thereby analysis of holistic experience of man in environment and man and environment.

Keywords: Film Geography, Man-Environment Relation, Transactional Theory, Cinema, Titas Nodir Naam

Cinema is a popular mode of expression that integrates and influences the three parameters of the study: the human, the technology and the narrative within the cocoon of space and place. The secular culture of cinema and the moving imagines represent the spatial integration of any narrative and thus generate a cultural analogy to the environment-society relationship. Cinema, as it is defined as a "techno-psychological apparatus" is a continuous movement of images bound

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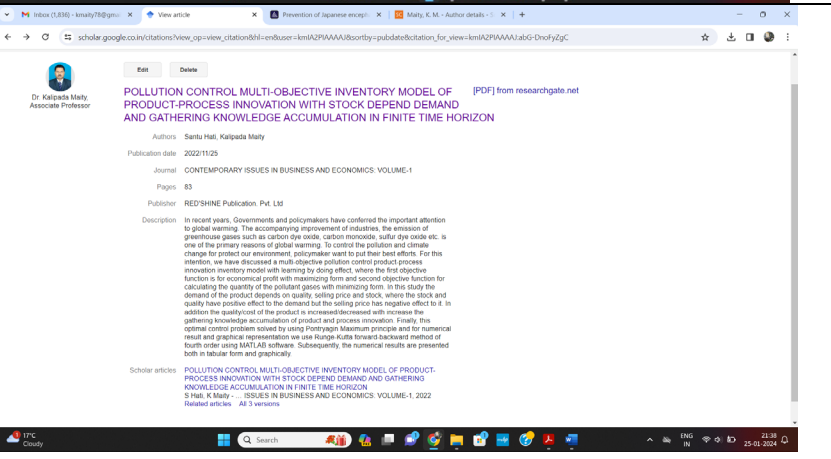
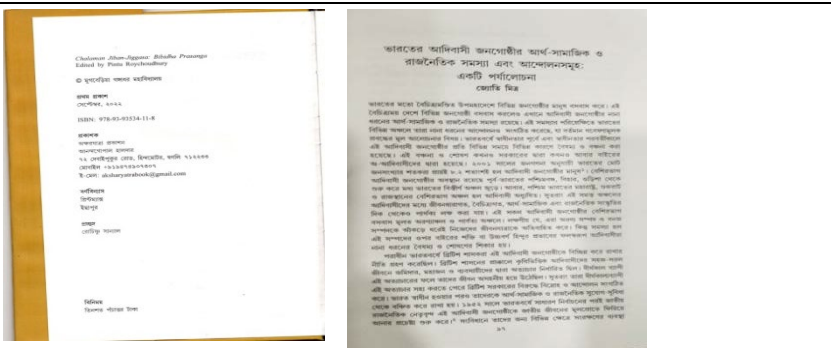

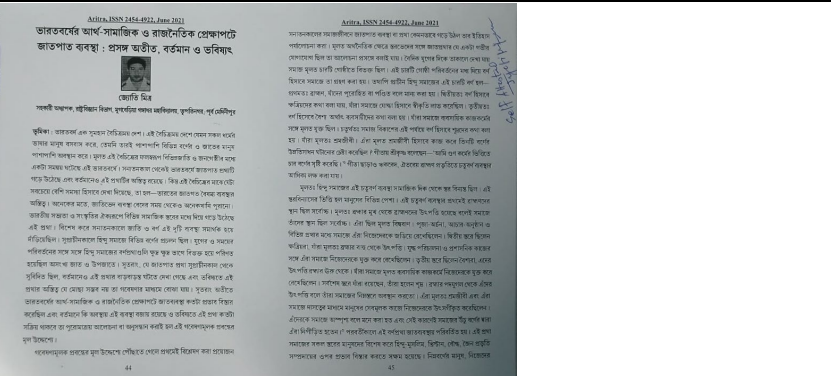
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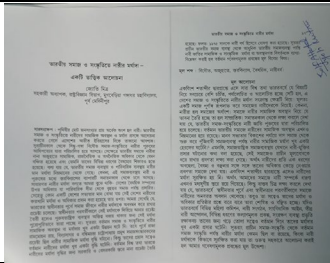
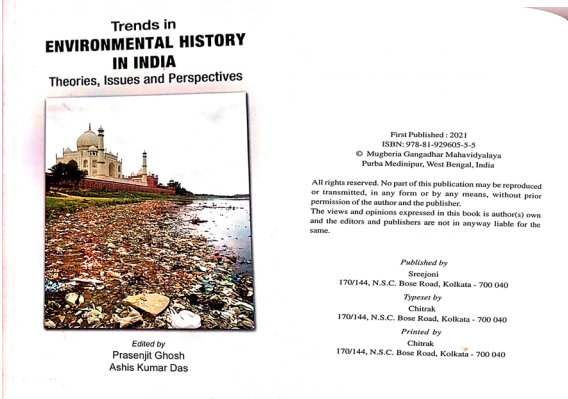

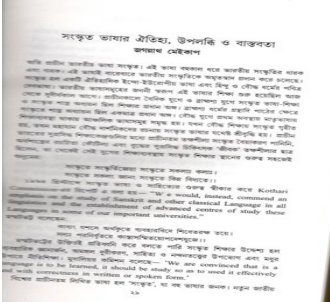
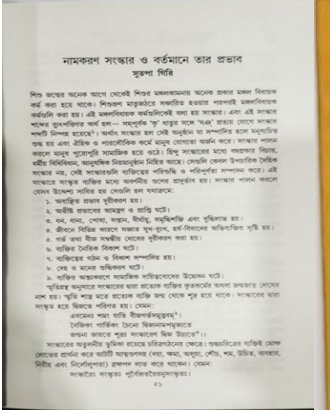
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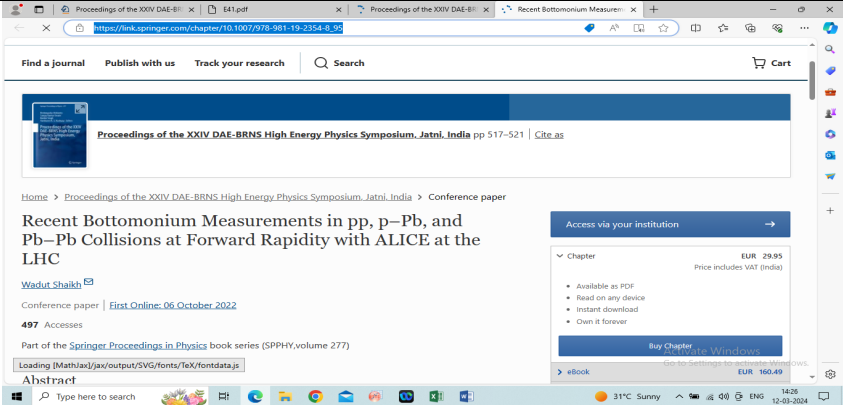

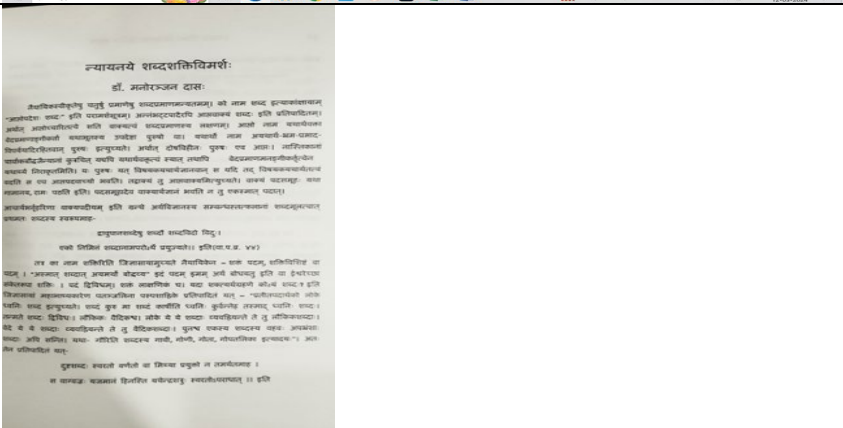

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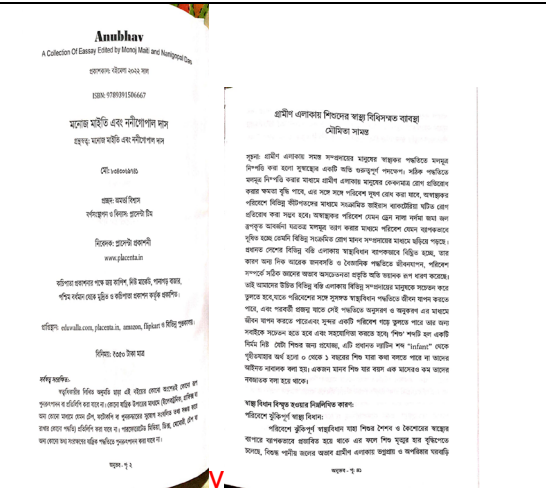
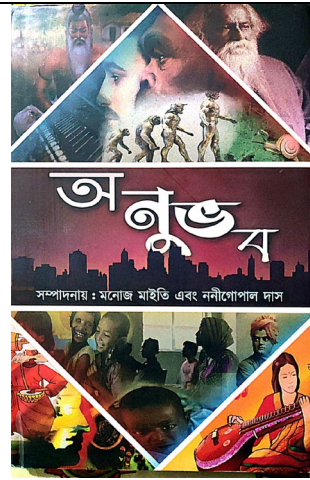
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<p>71</p>	<p>Dr. Narottam Sutrardhar Titanium Dioxide (TiO₂) Nanocarriers for Potential targeted sono dynamic Therapy</p>		<p>Copyright © Dr. Bidhan Chandra Samanta, 2022</p> <p>All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, recording or otherwise, without the prior written permission of the authors.</p> <p>Published by Walnut Publication (an imprint of Vyoma Ventures LLP) www.vyomapublication.com</p>

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73	<p>Dr. Kousik Kr. Mandal Impact of Pesticides on Human Health and Environment: An Overview</p>		<p>Copyright © Dr. Bidhan Chandra Samanta, 2022</p> <p>All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, recording or otherwise, without the prior written permission of the authors.</p> <p>This book has been published with all reasonable efforts taken to make the material correct and free from errors. The authors of this book are solely responsible and liable for the content including but not limited to the views, representations, descriptions, statements, information, opinions and references ["Content"]. The publisher does not endorse or approve for Content of this book or guarantee the reliability, accuracy or completeness of the Content published herein. The publisher and the authors make no representation or warranty of any kind with respect to this book or its contents. The authors and the publisher disclaim all representations and warranties, including for example warranties of merchantability and educational or medical advice for a particular purpose. In addition, the authors and the publisher do not represent or warrant that the information accessible via this book is accurate, complete or current.</p> <p>Paperback ISBN: 978-93-5074-019-9 eBook ISBN: 978-93-5074-029-4</p> <p>First Published in January 2022</p> <p>Published by Walnut Publication (an imprint of Vyoma Vyoma's LLP) www.walnutpublication.com</p> <p>USA 6834 Cantrell Road #296, Little Rock, AR 72207, USA</p> <p>India #722, Englandside One, Rangajith, Bhuvanapur - 751003, India #10 S/F, Panchsain Marg, Connaught Place, New Delhi - 110001, India</p> <p>UK International House, 12 Constance Street, London E16 2DQ, United Kingdom</p>	
74	<p>Moumita Samanta Green Revolution and Genetic Engineering</p>		<p>Green Engineering and Sustainable Development 128 Pages</p> <p>Editors: Bidhan Chandra Samanta Narottam Sutradhar Department of Chemistry Majumdar Engineering Mahavidyalaya Bhoprajpur Puducherry Tithi Maity Department of Chemistry P. K. College, Cuttack Puducherry</p> <p>Copyright © 2022, Narosa Publishing House Pvt. Ltd. NAROSA PUBLISHING HOUSE PVT. LTD. 22 Disha Medical Association Road, Durgam Cheruvu, New Delhi 110 002 22 Disha Centre, The Emerald Light Road, 400 703 306 Shri Centre, Sector 17, Vashi, Near Mumbai 400 703 22-205 Shreeva Chaudhary, 33 Ford Road, All America, Kolkata 700 019</p> <p>www.narosa.com</p> <p>All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission of the publisher.</p> <p>Printed from computerized copy prepared by the Editor.</p> <p>All copyright in this book is exclusively held by Narosa Publishing House Pvt. Ltd. Unauthorized export is a violation of terms of sale and is subject to legal action.</p> <p>ISBN 978-81-8487-715-1</p> <p>Published by N.K. Mitra for Narosa Publishing House Pvt. Ltd., 22 Disha Medical Association Road, Durgam, New Delhi 110 002</p> <p>Printed in India</p>	<p>CONTENTS</p> <p>Preface</p> <ol style="list-style-type: none"> 1. Hydrothermal Synthesis: A Facile Method to Grow Single Crystals of Metal-Organic Frameworks Dr. Bidhan Chandra Samanta 1.1 2. Prospects of Green Engineering and Sustainable Development Dr. Bidhan Chandra Samanta 1.3 3. Green Biotechnology: Can the Biological Industry? Dipu Datta and Soumya Puri 3.1 4. Biodegradation and stability of antibiotic properties of Gram-negative Gram-negative bacteria with different antibiotics from the strain of Colibacillus Pooja Khatun, Dr. Bidhan Chandra Samanta, Rajni Kaur, and Dr. Bidhan Chandra Samanta 4.1 5. Gold Nanoparticles: Synthesis of Alloys and Nanoscale Natural Products Dr. Bidhan Chandra Samanta 5.1 6. Bio-based, a green substitute of liquid transportation fuel Dr. Bidhan Chandra Samanta 6.1 7. Synthesis and study of antimicrobial and stable activity of silver nanoparticles using green polyacrylamide from the strain of Colibacillus Dr. Bidhan Chandra Samanta 7.1 8. Molecular Dynamics Study on Thermal Transport of Nanoparticles Dr. Bidhan Chandra Samanta 8.1 9. Facile synthesis and characterization of biological carbon Dr. Bidhan Chandra Samanta 9.1 10. Synthesis of Organic Compounds through Green Chemistry Approach Dr. Bidhan Chandra Samanta 10.1 11. Ionic Conductivity in Binary Electrolyte - type Cation Dr. Bidhan Chandra Samanta 11.1 12. Green Chemistry Metrics: Measuring and Monitoring Sustainable Processes Dr. Bidhan Chandra Samanta 12.1 13. Green synthesis and genetic engineering Moumita Samanta 13.1
75	<p>Sruti Mandal Applications of some Novel Technologies to reduce nutritional Loss of Food</p>		<p>Application of some novel technologies to reduce nutritional loss of food</p> <p>1. Assistant Professor, Email: sruti@rediffmail.com 2. Assistant Professor, Email: sruti@rediffmail.com 3. Assistant Professor and Head, Email: sruti@rediffmail.com Date of Revision: 14/08/2022 Department: Mughal Engineering College, Bhadrak, Odisha, India, Pin-751002</p> <p>Abstract Conventional food processing and preservation methods leads to a loss of nutrients as majority of the thermal processes involve high heat. These thermal processes cause nutritional loss in terms of nutritional quality. Losses of heat labile nutrients such as vitamins C, retinol, folic acid, etc. are significant in traditional food processing. To overcome this nutrient loss, several novel technologies are employed. These novel methods are not extensively used in food industries till date as many of them are still under laboratory stage. In this book, the author has discussed the application of some novel technologies such as High Pressure Processing, Pulsed Electric Field Treatment, Irradiation, Super Critical Technology, Ultrasound, Cold Plasma Technology, and Freeze Drying and discussed. Also, some applications of different food products of each novel technology and their results are presented.</p> <p>Keywords: Novel technology, heat labile nutrients, microbial safety, food industry, food products</p> <p>Introduction Human history has changed the eating system of people. Processed and ready to eat foods are commonly consumed in today's busy world. The term "food processing" includes every possible technique which is used to convert a raw material to a usable substance and also increases the shelf life of the product. It can be as simple as boiling process which leads from ancient period. However, each and every processing and preservation method involves some extent of nutritional loss. The most noticeable is food processing, where the loss of nutrients is high. In this context, availability of wholesome food is now a fundamental human right since it helps people stay healthy and strengthen their immune systems, which are two factors in preventing numerous diseases. To minimize nutritional loss of food, various novel thermal and non-thermal technologies are applied.</p> <p>1. High Pressure Processing (HPP) High pressure food processing is a non-thermal method of preserving techniques can be applied. High pressure processing is the food industry by HPP is one of them. In this novel method, the food is put under extremely high pressure to reduce the size of bacteria in order to either enable it to die for consumption or to inactivate microorganisms. The HPP applies pressure to the substance being treated using a completely recirculating medium, water.</p>	

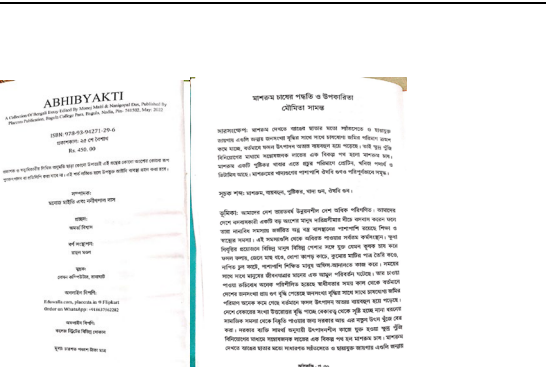
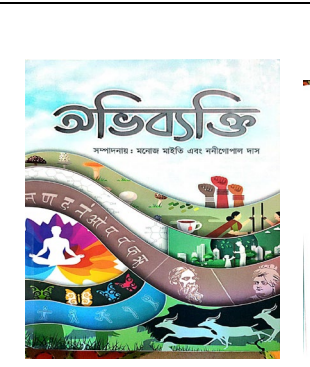
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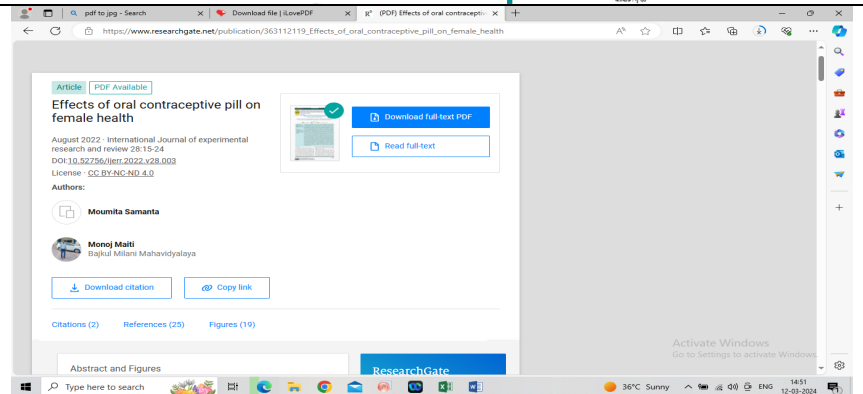
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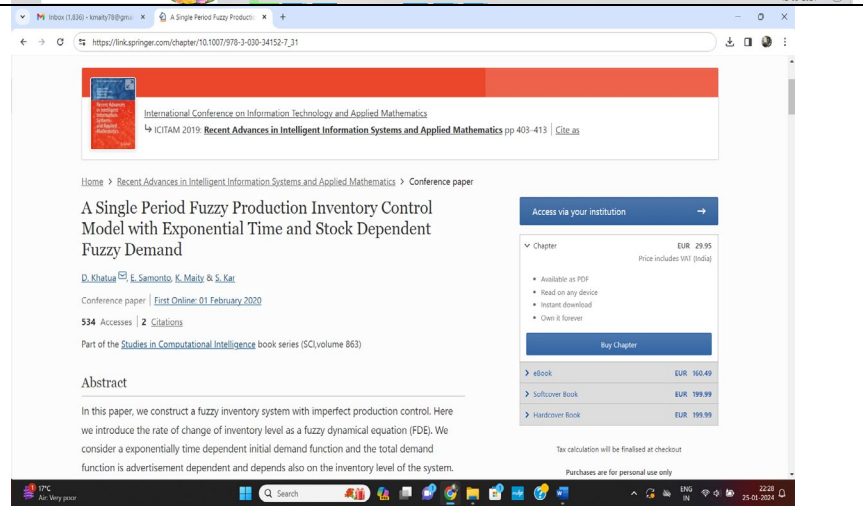
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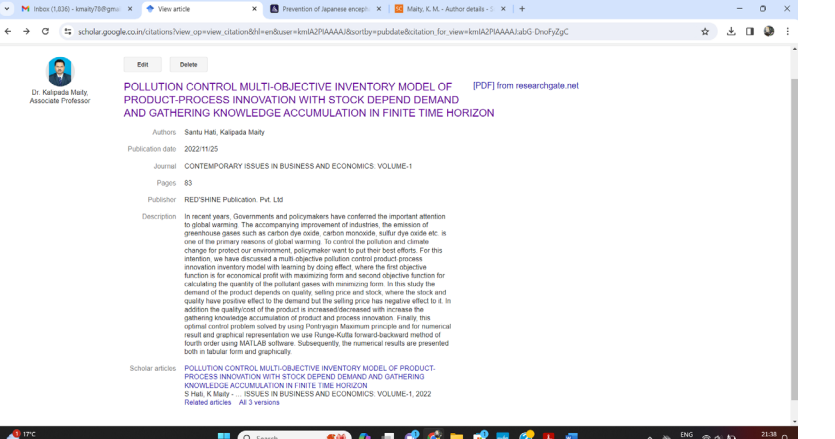
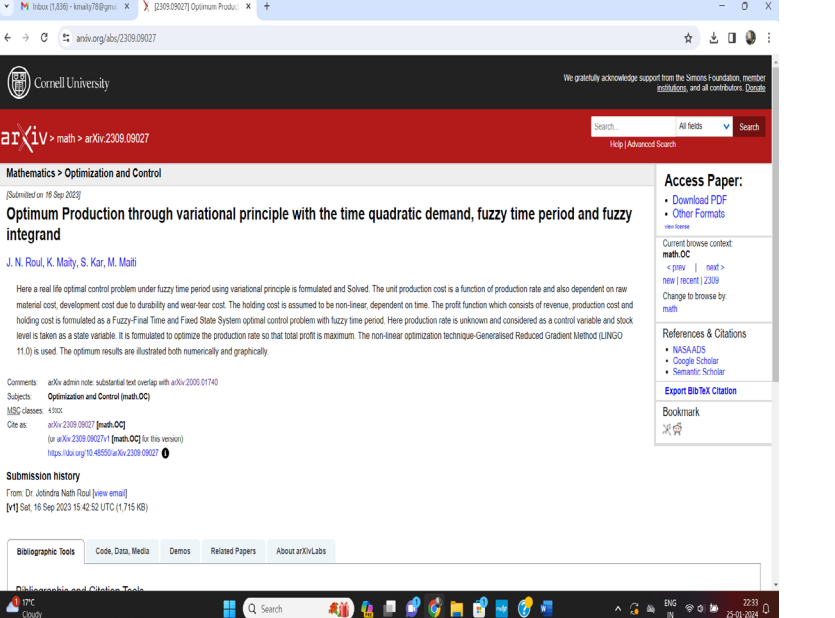
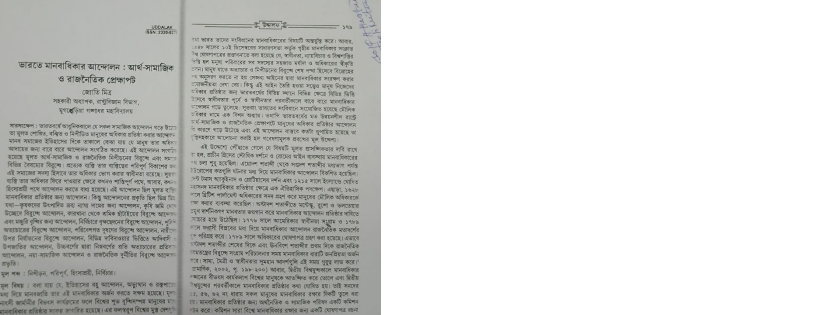
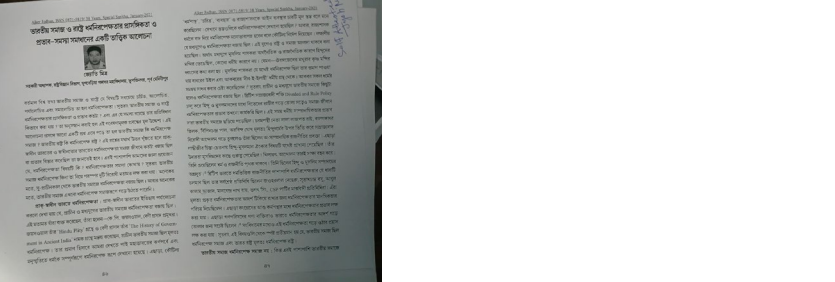


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<p>101</p>	<p>Dr. Goutam Barman Bani basur 'tulsipurān' golpe loukik o pourānik upadane punornirman</p>	<p>BANGLAR LOKSANSKRITI: ATHIYA O RUPANTAR Editor- Pintu Roychoudhary ISBN: 978-93-93534-16-3 © মূল্যবোধের গঙ্গার মহাবিশাল</p> <p>প্রথম প্রকাশ মার্চ, ২০২৩</p> <p>প্রকাশক অক্ষয়তার প্রকাশন অন্যনামেই প্রকাশক ১২ দেবীপুর রোড, কিলেমেটা, ফালি ৭১২২০০ বোম্বাই: +৯১ ৯৪১৯৩০৭৫০৭ ই-মেইল: akshaytarabook@gmail.com</p> <p>স্বপ্নিন্দ্র কোম্পানি ইন্ডিয়া ইন্ডিয়া</p> <p>মূল্য কোম্পানি প্রকাশক ৯৯.২ টি পুঁজি করে ছিট কলকাতা ৭০০০০৯</p> <p>প্রকার কৌশল/সমালোচনা</p> <p>বিষয় স্বপ্নের উৎস</p>	<p>বানী বাসুর 'তুলসীপুরান' গল্পে লৌকিক ও পৌরাণিক উপাদানের পুনর্নির্মাণ</p> <p>লোকসংস্কৃতির (Folklore) মধ্যে সাংস্কৃতিক কৃতি সৃষ্টি, সংস্কার বিশদ, ঐতিহ্য-সৃষ্টি, স্বাভাবিক বিশদ, শাসকের উপাদান-পত্রের সৃষ্টি-সংস্কৃতি ইত্যাদি, এর পুনর্নির্মাণ-উৎস, সংস্কৃতি ও ঐতিহাসিক উপাদানের গীতবাহুভাষিত বাহ্যিক বাহ্যিক। এখানে উপস্থাপিত গল্পের ও বিশদ লোকসংস্কৃতির একটি পত্রের উপাদান করে গল্পের। তুলসীপুরান গল্পের "লোকসংস্কৃতি লোকসংস্কৃতির সংস্কৃতি, স্বাভাবিক সমাজিক বাহ্যিক উপাদান ও মনোভাবের সামাজিক কৃতি-ই লোকসংস্কৃতি বা লোকসংস্কৃতি।"</p> <p>লোকসংস্কৃতির মধ্যে দুটি উপাদান বাহ্যিক বাহ্যিক - ১. স্বাভাবিক ২. স্বাভাবিক স্বাভাবিক লোকসংস্কৃতির মধ্যে লোকসংস্কৃতি ও লোকসংস্কৃতির একটি স্বাভাবিক উপাদান।</p> <p>লোকসংস্কৃতির মধ্যে লোকসংস্কৃতির মধ্যে লোকসংস্কৃতি ও লোকসংস্কৃতির একটি স্বাভাবিক উপাদান।</p> <p>লোকসংস্কৃতির মধ্যে লোকসংস্কৃতির মধ্যে লোকসংস্কৃতি ও লোকসংস্কৃতির একটি স্বাভাবিক উপাদান।</p> <p>লোকসংস্কৃতির মধ্যে লোকসংস্কৃতির মধ্যে লোকসংস্কৃতি ও লোকসংস্কৃতির একটি স্বাভাবিক উপাদান।</p>
<p>102</p>	<p>Dr. Alak Ranjan Khatua Tagore's view on the Baul-singers of Bengali Folk Culture: A Philosophical Quest for Man of Heart</p>	<p>BANGLAR LOKSANSKRITI: ATHIYA O RUPANTAR Editor- Pintu Roychoudhary ISBN: 978-93-93534-16-3 © মূল্যবোধের গঙ্গার মহাবিশাল</p> <p>প্রথম প্রকাশ মার্চ, ২০২৩</p> <p>প্রকাশক অক্ষয়তার প্রকাশন অন্যনামেই প্রকাশক ১২ দেবীপুর রোড, কিলেমেটা, ফালি ৭১২২০০ বোম্বাই: +৯১ ৯৪১৯৩০৭৫০৭ ই-মেইল: akshaytarabook@gmail.com</p> <p>স্বপ্নিন্দ্র কোম্পানি ইন্ডিয়া ইন্ডিয়া</p> <p>মূল্য কোম্পানি প্রকাশক ৯৯.২ টি পুঁজি করে ছিট কলকাতা ৭০০০০৯</p> <p>প্রকার কৌশল/সমালোচনা</p> <p>বিষয় স্বপ্নের উৎস</p>	<p>Tagore's view on the Baul-Singers of Bengali Folk-Culture: A Philosophical Quest for the Man of Heart Alak Ranjan Khatua</p> <p>Rabindranath Tagore was regarded as a world-famous poet, dramatist, novelist, essay-writer, educationalist, contemporary Indian philosopher, painter and a great music-maker. He was also regarded as the first Asian Nobel laureate and globally regarded as a versatile genius in the field of art and culture. His attitude towards folk-culture is widely expressed through his essays, poems, short-stories, plays and especially music. He always loved Bengali folk-culture and very naturally accepted folk-literature as the root of folk-culture. Through the love of beauty, the love of natural harmony, he made himself as a poet of nature, a man of love, an appreciator of beauty, an artist of creation and finally a music-maker of Bengali folk-culture. In his whole life types of man - he called them <i>maner manush</i> - "The Man of My Heart" - those have the ordinary local culture with their multi-dimensional attitudes towards the Bengali folk-songs. Throughout searching for real man, Tagore wanted to focus the socio-cultural aspects of Baul-singers as the basic foundation of Bengali folk-culture. According to him, folk-culture is not merely a regional or local culture which has only a local sentiment of a community, but it has also a global aspect as a part of universal culture. Moreover, the Baul-singers having their expressive capabilities always try to open the door to realize the subject-matter of folk-songs. In fact, the theoretical framework of Baul-songs is based on the relation between mind and body. For the folk-songs, whatever is expressed by the Baul singers is simple but extraordinary that ultimately represents our voice of humanity. Today, we have observed that the folk-culture has been globally recognized as a common-people-culture, and so Tagore's view on Bengali folk-culture along with his contribution to the Bengali folk-songs is very relevant in our modern progress towards the cultural integration.</p>
<p>103</p>	<p>Dr. Biswajit Garai Traditional Games and Sports</p>	<p>BANGLAR LOKSANSKRITI: ATHIYA O RUPANTAR Editor- Pintu Roychoudhary ISBN: 978-93-93534-16-3 © মূল্যবোধের গঙ্গার মহাবিশাল</p> <p>প্রথম প্রকাশ মার্চ, ২০২৩</p> <p>প্রকাশক অক্ষয়তার প্রকাশন অন্যনামেই প্রকাশক ১২ দেবীপুর রোড, কিলেমেটা, ফালি ৭১২২০০ বোম্বাই: +৯১ ৯৪১৯৩০৭৫০৭ ই-মেইল: akshaytarabook@gmail.com</p> <p>স্বপ্নিন্দ্র কোম্পানি ইন্ডিয়া ইন্ডিয়া</p> <p>মূল্য কোম্পানি প্রকাশক ৯৯.২ টি পুঁজি করে ছিট কলকাতা ৭০০০০৯</p> <p>প্রকার কৌশল/সমালোচনা</p> <p>বিষয় স্বপ্নের উৎস</p>	<p>Traditional Games And Sports Biswajit Garai</p> <p>The word 'GAME' is universal and does not have any cultural or linguistic boundaries. Games appear to be the common property of people who know them either professionally or as an amateur. Many games, which we think are just pastimes are, in fact, relics of religious rituals, which often date back to the birth of mankind. Games echo the reflections of the traditions and ethos of a particular country or region. The pleasure of voluntary action is the soul of games. Traditional Games act as learning aids. They teach us many things while playing like to learn to win and lose, develop sensory skills, count, add, improve motor skills, identify color, improve hand-eye co-ordination and finally to have fun. The values that we achieve by playing these games are more when compared to the games that we play now a days. Some of the values that we gain are that they are environment friendly, we get a chance to learn about our culture and history, and an important thing is, they are suitable for all ages, so they increase the interaction between generations. Many modern games played around the world have their origin in these traditional games. This is the matter of pride to our nation's culture. Some of the prominent traditional games which originated in our country and became popular all over the world are as follows.</p> <p>Atya-patya Atya patya is a traditional ancient game of india. It is very common game chiefly in the countryside areas. The game has been played since time immemorial. It was played with different names and improvised with convenient rules according to situation. This game was known by different names such as Sui-pati, Lon-pati, Dary-banth, saragari, saramani, tili, uppinat, uppupati, choupal pati, panchwati, chikka etc. The game is also referred as a game of tricks. Nine trenches constitute the playing area of Atya patya which emerges from either side of a central trench. Players of one team progress across the trenches while the other team tries to block it for which points are awarded. In Tamil Nadu this game is mentioned in old Tamil Literature by the name of Kithatu. etc. Atya patya is a</p>
<p>104</p>	<p>Dr. Alok Ranjan Khatua Environmental Sustainability for Future Generation: Goals and Commitments</p>	<p>Chapter 11 Environmental Sustainability for Future Generation: Goals and Commitments</p> <p>Abstract The present paper deals with the objectives of environmental sustainability and its goals. It focuses on the theoretical framework of environmental sustainability and its goals. It discusses the importance of environmental sustainability and its goals. It also discusses the challenges and opportunities of environmental sustainability and its goals. It concludes that environmental sustainability is a global challenge and requires the cooperation of all nations and individuals to achieve a sustainable future for all.</p> <p>Keywords: Sustainability, Environmental Sustainability, Goals and Commitments, Future Generation.</p>	<p>Reflection (A Yearly Publication of Science Departments, Muzaffargarh Gandahar Mahavidyalaya)</p> <p>Editor-in-Chief Dr. Bidhan Chandra Samanta</p> <p>Shot on AHSME IJSS</p>

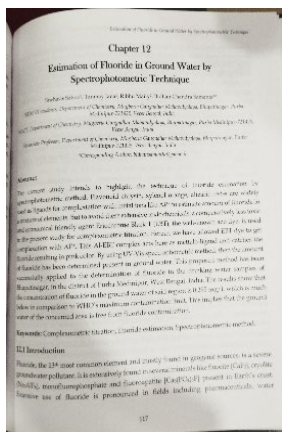
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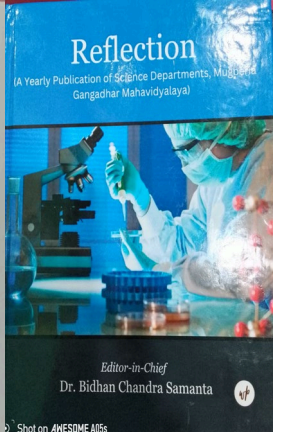
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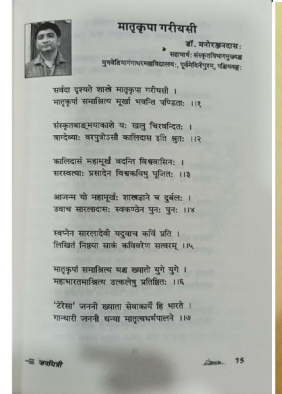
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Chapter 12
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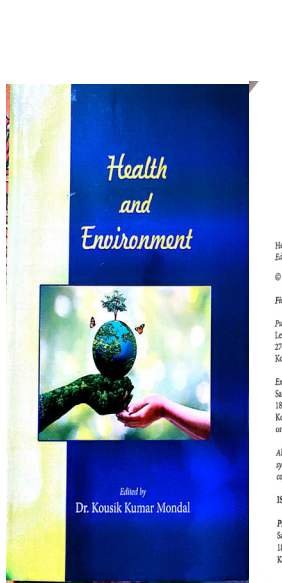


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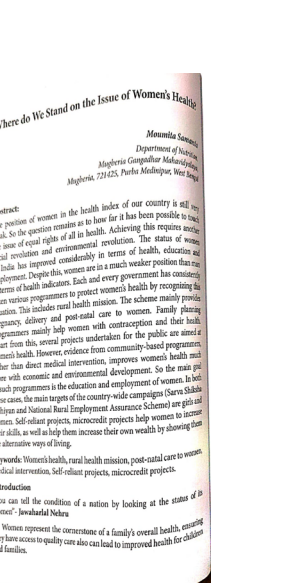


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Climate Change in the
Context of Environmental
Pollution in India: A Critically
Discussion

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