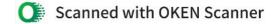
Off the Line

Transgression and Its Representation in Literature and Culture

Edited by
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Isabella, a Single Mother: Transgression, Liberation, and Transformation in Emily Bronte's Wuthering Heights

Debarati Maity

Transgression, as defined by Foucault, is an act of crossing and re-crossing "a line which closes up behind it in a wave of extremely short duration, and thus is made to return once more right to the horizon of the uncrossable" (Foucault web). Although he confined himself to the context of sexual liberation, the definition is also true for general application. So, transgression is a continuous process of evolving and discovering new identities through the breaking of limits and socio-cultural orders. Wuthering Heights is a novel by a Victorian woman writer, Emily Bronte, who had to create a pseudo-identity in order to transgress the social code of writing which was still the exclusive preoccupation of men. Her novel is also representative of her defiance against socio-cultural norms in order to construct one's self-identity. This constant process of forming one's identity is best exemplified through the character of Isabella. Although somewhat overshadowed by the dominant characters, Isabella depicts propensity for transgression and grit to endure challenges in her path of on-going transformation. This research chooses to focus on the subordinate character, Isabella (Edgar Linton's sister and Heathcliff's wife) to understand the inter-relation between transgression, liberation, and transformation. The paper will try to trace her daring advancement towards freedom by crossing social and emotional hurdles, and finally taking control of her own life. It will also analyze Isabella's portrayal as a single mother, a progressive



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BOOK CHAPTER

CHAPTER 7: Helix-mimetics as Protein-Protein Interaction Inhibitors 📭

By Gitashri Naiya; Madhumita Chakraborty; Piya Ghosh; Siddhartha Roy

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Protein-protein interactions play a crucial role in many biochemical processes. They have emerged as a new class of drug targets. Small molecule inhibitors are available, but often challenging to develop as protein-protein interaction inhibitors. Peptides have long been considered to possess undesirable properties that are unsuitable for drugs targeting intracellular drug targets. However, over the last few decades, many of these obstacles have been overcome. In this chapter, we describe recent developments in targeting protein-protein interactions using conformationally stabilized α -helical peptides. Some of these peptides have now entered clinical trials.

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Comparative Study of Sequence Specific Protein-DNA Interaction by *in vivo* Gene Expression in Gal Operon

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Abstract

Protein-DNA interaction is one of the most essential activities in cell which controls the life of a cell by regulating gene expression. Transcription forms the basis of gene expression which involves the protein-DNA interaction. Gene expression occurs through positive or negative regulation of molecular interaction. In the classical model of negative regulation of gene expression, a repressor protein binds to its cognate operator DNA, at or near the promoter region and inhibits transcription initiation. In positive regulation, an activator activates the promoter by binding near the transcription start site. In E. coli, expression of Gal operon is under both positive and negative control. The former is initiated by cyclic adenosine 3':5'-monophosphate (cAMP) and its receptor protein (CRP complex), which binds near the transcription start site and activates gene expression. The negative regulation occurs by simultaneous binding of the repressor protein (GaIR) dimer to the operators regions (Oe and Oi). Binding of GalR dimer to wild type Oe and Oi inhibits the gene expression with high affinity. Mutation in any of the operators' sequence destroys the repression mechanism. To examine the sequence specificity for binding of repressor protein to the operators, DNA sequence of one operator is replaced by another. Then result comes with decreased value of repression. This experiment has been performed by in vivo gene expression study of different plasmids having a construct of gal promoters and different combinations of gal operators in the regulatory region. To understand the functional importance of sequence variants in transcription regulation in vivo expression study was done by monitoring the expression of green fluorescent protein (GFP), which acts as a downstream reporter gene, cloned under the control of the Gal promoter.

Keywords: Gal Operon, Gene expression, Transcription, Positive and negative regulation of gene expression, Activator, Repressor protein, Operators, Reporter protein

Introduction

Protein-DNA interaction which plays an essential role in transcription is crucial for gene expression in cell. This transcription process may be positively or negatively regulated by the interaction of different proteins and its interacting DNA partner (Semsey et al., 2004). In classical negative regulation of gene expression, a repressor protein binds to cognate

श्राधीत छात्रवीय अश्सू ि

ড. প্রতাপ চন্দ্র রায়

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প্রকাশক ঃ

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মুদ্রণে ঃ

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প্রকাশক এবং স্বত্বাধিকারীর লিখিত অনুমতি ছাড়া এই বইয়ের কোনও অংশেরই কোনওরূপ পুনরুৎপাদন বা প্রতিলিপি করা যাবে না। কোনও যান্ত্রিক উপায়ের (গ্রাফিক, ইলেকট্রনিক্স বা অন্য কোনও মাধ্যম, যেমন ফটোকপি, টেপ বা পুনরুদ্ধারের সুযোগ সংবলিত তথ্য সঞ্চয় করে রাখার কোনও পদ্ধতি) মাধ্যমে প্রতিলিপি করা যাবে না বা কোনও ডিক্স, টেপ, পারফোরেটেড মিডিয়া বা কোনও তথ্য সংরক্ষণের যান্ত্রিক পদ্ধতিতে পুনরুৎপাদন করা যাবে না। এই শর্ত লঙ্খিত হলে উপযুক্ত আইনি ব্যবস্থা গ্রহণ করা হবে।

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Education as a Tool for Promoting Women Empowerment in India

Indrajit Mahato* Mazhar Shamsi Ansary†

Abstract :

"বিশ্বে যা কিছু মহান সৃষ্টি চিরকল্যাণকর, অর্ধেক তার করিয়াছে নারী, আর্ধেক তার নর।।"

—কাজী নজরুল ইসলাম

সভ্যতার আদিলগ্ন থেকে কালের বিবর্তনের সাথে সাথে মানব সভ্যতার অভাবনীয় সাফল্যের নেপথ্যে নারী পুরষের অবদান অপরিসীম। নারী ব্যতীত পুরুষের একক অংশগ্রহনে কোনো কাজেই সঠিকভাবে সম্ভব নয়। সমাজের চাকা কেবল পুরুষ একা বহন করেনি। সেখানে প্রত্যক্ষ ও পরোক্ষভাবে রয়েছে নারীর অবদান। কিন্তু নারীর কাজের প্রেরণা, সাহচর্য এবং সমস্ত জীবনধারার ছন্দ উপভোগ করে পুরুষজাতি যুগ যুগ ধরে নিজস্ব কৌশলে কোনঠাসা করে ক্রমাগত অবহেলা এবং শোষন করে আসছে। নারী প্রতিভার বিকাশ ঘটানোর পরিবর্তে পূরণ করেছে নারী স্বাধীনতা, খর্ব করেছে মর্যাদা এবং বঞ্চিত করেছে অধিকার। সেকথা স্মরণে রেখে নারীর আত্মপ্রকাশ ঘটানোর মাধ্যমেই নারীর ক্ষমতায়ন সম্ভব করতে হবে।

নারীর ক্ষমতায়নের সবথেকে বড় অন্তরায় হল শিক্ষা।যার অভাবে নারী নিজের অধিকার সম্পর্কে সচেতন হতে পারে না, শৃঙ্খলিত জীবনে আশার আলো দেখতে পায় না। তাই শিক্ষা তথা নারী শিক্ষা ব্যতীত সমাজের ও দেশের সার্বিক উন্নতি কখনোই সম্ভব নয়। শিক্ষায় একমাত্র হাতিয়ার যার উপর ভর করে নারীরা তাদের আত্মবিশ্বাস ফিরে পাবে, পুরুষদের সাথে একই সারিতে দাঁড়াতে পারবে, সর্বোপরি সমাজকে এক নতন দিশায় এগিয়ে নিয়ে যাবে।

Keywords: নারীশক্তি, শিক্ষাব্যবস্থা, নারীশক্তির বিকাশ।

Introduction:

'শুধু কোনো কালে একা হয়নিকো জয়ী পুরুষের তরবারী, শক্তি দিয়েছে, প্রেরণা জুগিয়েছে বিজয়লক্ষ্মী নারী।'

—কাজী নজরুল ইসলাম

শিক্ষা আনে চেতনা, চেতনা আনে বিপ্লব, বিপ্লব আনে মুক্তি। আপাতদৃষ্টিতে শিক্ষার

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श्रीत्य तिग

স্নাতক আবশ্যিক পাঠক্রমের জন



রাজর্ষি মিত্র মৌমিত রায় গোস্বামী

পরিবেশবিদ্যা

স্নাতক আবশ্যিক পাঠক্রমের জন্য

ড. রাজর্ষি মিত্র

সহকারী অধ্যাপক ও বিভাগীয় প্রধান পরিবেশবিজ্ঞান বিভাগ বিবেকানন্দ কলেজ, ঠাকুরপুকুর, কলকাতা

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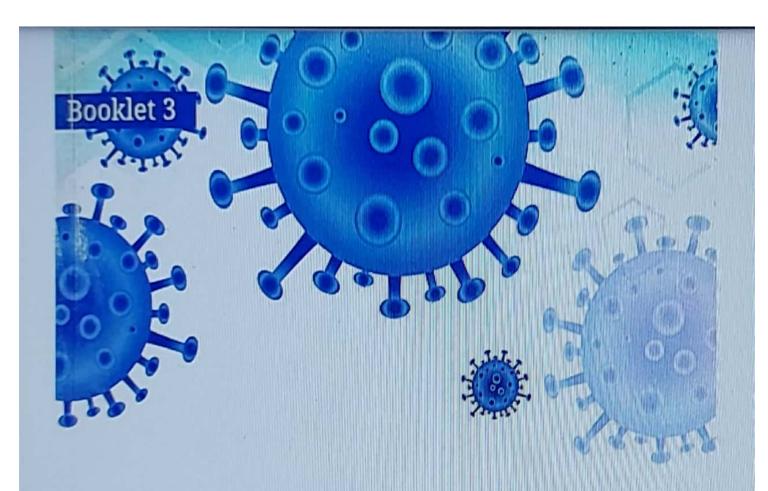
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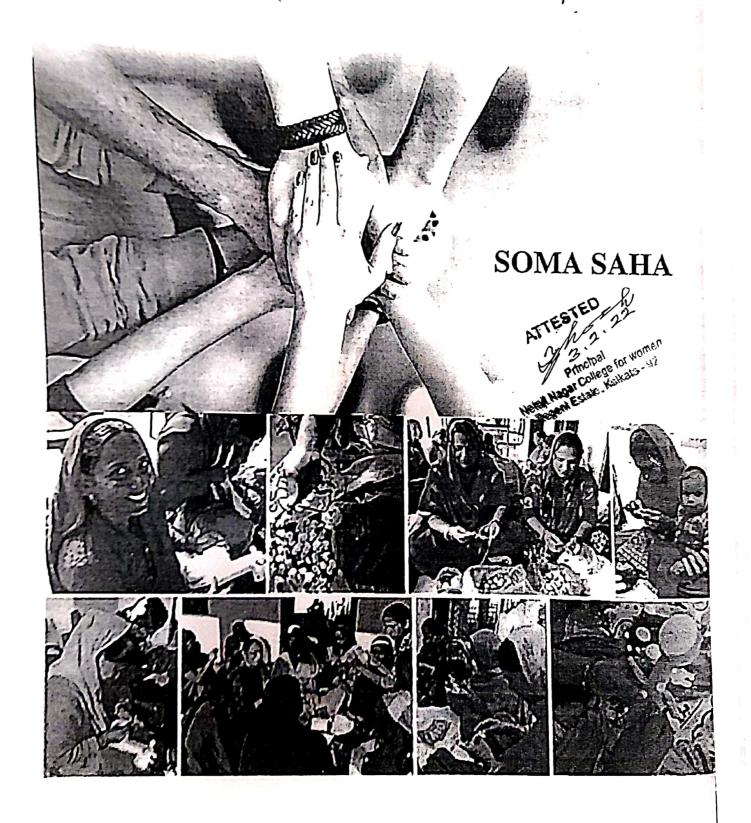
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SELF-HELP GROUPS IN WEST BENGAL

Sustainable Rural Livelihood and Women Empowerment



About the Author

Soma Saha has been teaching at the under graduate level for the last thirteen years. Currently she is working as Assistant professor at the Department of Economics, Netaji Nagar College for Women, Kolkata. Her earlier affiliation was in Tarakeswar Degree College, Tarakeswar, Hooghly. She did her post-graduation and Ph.D from the University of Burdwan. Dr. Saha is actively engaged in research and has presented a number of papers in several seminars and conferences in National and International level. She has many publications in refereed national and international journals. Dr. Saha so far has written several books published by reputed national publication house and edited two books. Her areas of research inertest are Economics, Development Economics, Microeconomics and Financial Economics.

About the Book

The primary focus of the book is Self Help Group (SHG) and its implications to rural livelihood, poverty and women empowerment in Hooghly District in West Bengal. Attempt has also been made to analyse the association between socio-economic development and the role of Self -Help Groups and the issues of SHG-Bank linkage programme. The book established that systematic use of financial support from SHG programme can encourage socio economic development and alleviation of rural poverty in our surveyed district. Self Help Group also has a positive impact on the female members towards their empowerment.





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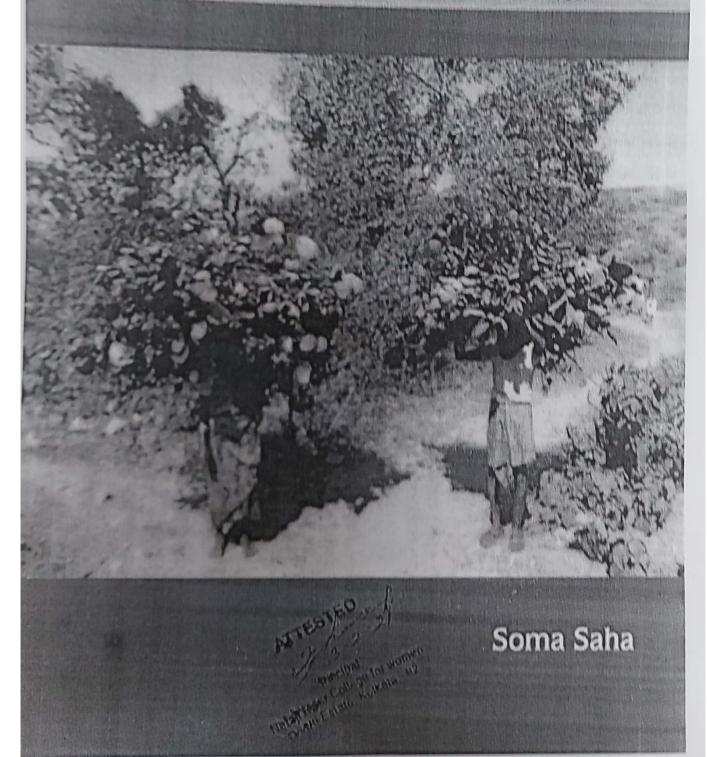
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ECONOMICS OF COMMON PROPERTY RESOURCES IN WEST BENGAL

A Micro Study on Rural Livelihood, Collective Action and Forest Conservation



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About the Author

Soma Saha is working as Assistant professor at the Department of Economics, Netaji Nagar College for Women, Kolkata. Her earlier affiliation was in Tarakeswar Degree College, Tarakeswar, Hooghly. She did her post-graduation and Ph.D. from the University of Burdwan. Dr. Saha is actively engaged in research and has presented a number of papers in several seminars and conferences in National and International level. She has many publications in refereed national and international journals. Dr. Saha so far has written several books published by reputed national publication house and edited two books. Her areas of research interest are Econometrics, Development Economics, Microeconomics and Financial Economics.

About the Book

The main theme of this book is Common Property Resource (CPR) collection and its impact on Poverty, Environmental degradation and Forest Conservation. The use of CPRs, mainly forest resources, is manifold in the livelihood of forest fringe people. Systematic and Sustainable development of CPRs can make better the standard of living of the rural poor and play a crucial role in the conservation of forest resources. There is an immediate need to conserve forest resources through collective action of rural communities and it is expected that gender equity in participatory management will improve the sustainability of forest ecosystem.



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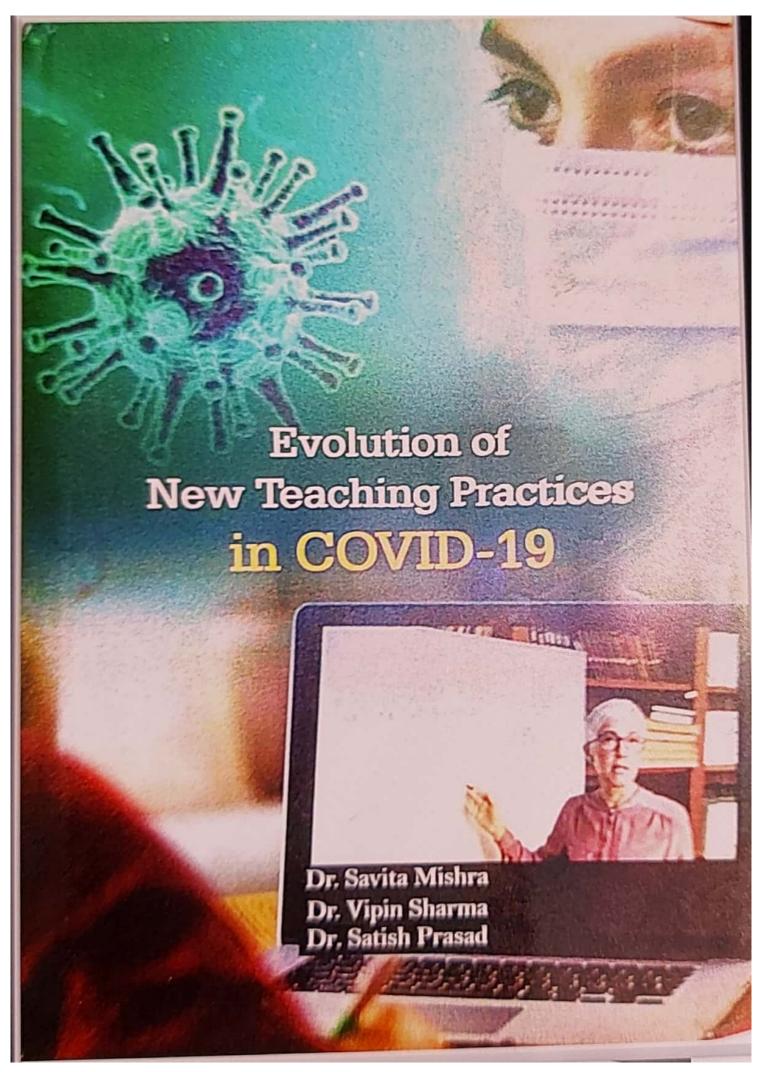
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Evolution of New Teaching Practices in COVID-19

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Present Scenario and Future Prospect of Education System in Pandemic Scenario

Dr. Shahana Haydar

Abstract

The present Covid-19 scenario demands new learning strategies for students as well as teachers. This transition signifies that in addition to the traditional learning methodology students and teachers must develop mastery of knowledge, skills, and aptitudes and competencies through technology based education. Education has unequivocally entered a period of profound disruptive transition. Disruption is considered a positive force as it assumes a change between the existing state of affairs and the new reality. Change however is considered undesirable as it invokes a negative instinctive reaction. Nevertheless Disruption and innovation are to be taken as two sides of the same coin. With the current trend of integrating technology with education for providing regular, virtual online classroom learning to all the students the problem of gaining an improved understanding of the facilities available and using them has acquired enormous importance. The NEP 2019 putting emphasis on online learning as an alternative to regular classroom interaction between teachers and students suggest that it helps in achieving the twin objectives of minimizing costs and increasing enrollment. ICT in the present Coyid 19 scenario are transforming stereotypical schools and classrooms by giving a new look where teachers are integrating ICT and several pedagogical skills and techniques for making teaching learning easy and interesting Innovation can be introduced with the development of an extensive digital ecosystem, a framework with emphasis on use of highly reliable pedagogical principles and strategies. The coronavirus pandemic should be taken as an