



Surya Sen Mahavidyalaya

Siliguri



ASSESSMENT PERIOD
2018-2019 TO 2022-2023

SUPPORTING ATTACHMENTS

CRITERION – 3

Key Indicator – 3.3 Research Publication and Awards

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

Content:

Book Chapter Publication Year: 2021

Author	Title of the book/chapters published
Ranjit Kumar Barman Dept of Bengali	Gourimangal' kabye Ramayan-Mahabharat Prasanga
Dr.Iswar Chandra Barman Dept of Bengali	Bangla Kothasahitye bosontarog: Kalgato Biborton
Dr.Iswar Chandra Barman Dept of Bengali	Mahashweta Debir'Hajar Churashir Maa': chetanar Akhyan
Sanchita Ghosh Dept of Bengali	Deshvager prekhhte Atin Bandhopadhyer Ekmutho Jiban : Ek Udbastu Narir Jiban
Dr.Dipak Saha Dept of Bengali	Mahamarir Prekhhapate Malongir Katha
Dr. Bablee Mandal Dept of Chemistry	SUSTAINABLE TRENDS IN METHODS OF ORGANIC SYNTHESIS
Lisa Sarkar Dept of Economics	Impact of Covid-10 on Education System in India.
Payel Dey Sen Dept of Education	Effect of Social Media on School Children
Payel Dey Sen	Inclusive Education

Dr. Arnab Baul Dept of English	Philosophy in the Time of Corona: The Epistemology of Illness and Body
Dr. Arnab Baul Dept of English	Thinking Disaster
Puja Mahajan Dept Of English	Revisiting Poe's The Masque Of The Red Death Concerning The Question Of Class
Puja Mahajan Dept Of English	The Tropes Of Trauma, Postmemory And Resistance In Defoe's A Journal Of The Plague Year
Sudeshna Mandal Dept Of Geography	Mental Health Issues During Pandemic: The Role Of Social Media
Dr. Romyani Goswami Dept Of Physics	Blended Learning In The New Normal: Opportunities And Challenges In India
Dr. Romyani Goswami Dept Of Physics	Study Of Structural And Optoelectronic Properties Of Nanocrystallites Embedded In Hydrogenated Amorphous Silicon Oxide (Si_{1-x}O_x:H) Films By Plasma Enhanced Chemical Vapour Deposition Technique (Pecvd)
Dr. Romyani Goswami Dept Of Physics	Investigation Of N-Si:H Thin Films As Intrinsic Layer Of Solar Cell
Ms Priyanka Chhetri Dept Of Political Science	Covid 19: An Impetus To Privatization Of Education
Dr. Babita Das Dept Of Political Science	Impact Of Covid-19 In Saarc Countries

Department of Bengali



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মঙ্গলকাব্য
পাঠ ও পরিক্রমা



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MANGAL KABYA PATH O PARIKRAMA,

An Analysis on Mangal Kabya, by Manik Maitra and Tapash Mondal,
Published by Debasis Bhattacharjee, Bangiya Sahitya Samsad, 6/2 Ramanath
Majumder Street, Kolkata : 700009, March : 2021 ₹ 300.00

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প্রকাশক ও স্বত্বাধিকারীর লিখিত অনুমতি ছাড়া কোনো উপায়েই এই গ্রন্থের কোনো অংশের কোনোরূপ পুনরুৎপাদন বা প্রতিলিপি করা যাবে না। এই শর্ত লঙ্ঘিত হলে উপযুক্ত আইনি ব্যবস্থা গ্রহণ করা হবে।

প্রথম প্রকাশ

মার্চ, ২০২১

প্রকাশক

দেবাশিস ভট্টাচার্য

বঙ্গীয় সাহিত্য সংসদ

৬/২ রমানাথ মজুমদার স্ট্রিট

কলকাতা : ৭০০০০৯

প্রচ্ছদ

অতনু গাঙ্গুলী

বর্ণসংস্থাপন

তন্ময় ভট্টাচার্য

বরানগর

মুদ্রক

অজন্তা প্রিন্টার্স

কলকাতা : ৭০০ ০০৯

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সূচিপত্র

প্রথম পর্ব

- রাজারাম দাসের 'নারায়ণীমঙ্গল' একটি
লোকসাংস্কৃতিক অববেক্ষণ ১৫ সনৎকুমার নস্কর
- কবিচন্দ্র মুকুন্দ মিশ্রের 'বাণুলীমঙ্গল' বা বিশাল
লোচনীর গীত ও কবিকঙ্কণ মুকুন্দের
'ধনপতি উপাখ্যান' : প্রসঙ্গ কবি ও কাব্য ৩৮ বিকাশ চন্দ্র পাল
- দ্বিজ মাধবের 'গঙ্গামঙ্গল' ৪৯ প্রসেনজিৎ বসু
- 'শীতলামঙ্গল' কাব্যের উদ্ভব, বিশেষত্ব এবং
চর্চার প্রাসঙ্গিকতা ৫৮ জগন্ময় পাত্র
- ধর্মীয় আখ্যানে প্রথম ভ্রমণ কাহিনি :
বিজয়রাম সেনের 'তীর্থমঙ্গল' ৬৮ শর্মিষ্ঠা পাল
- 'গৌরী-মঙ্গল' কাব্যের জনজীবনের নানাদিক
দ্বিজ কবিচন্দ্রের 'কপিলামঙ্গল' : লৌকিক ও
পৌরাণিক আদলে পশুপীতির অপূর্ব আখ্যান ৭৫ দীপু হালদার
- 'গৌরীমঙ্গল' কাব্যে রামায়ণ-মহাভারত প্রসঙ্গ ১০৭ রঞ্জিতকুমার বর্মণ
- কৃষ্ণরামের 'শীতলামঙ্গল' তাঁর 'রায়মঙ্গল'
কাব্যের পরিশিষ্ট : একটি বিশ্লেষণী পাঠ ১১৫ বাবাই দাস
- কৃষ্ণরাম দাসের 'রায়মঙ্গল' কাব্যের বিষয় বৈচিত্র্য ১২২ রেপা পাল
- কৃষ্ণরাম দাসের 'কালিকামঙ্গল' : বিষয় ও
আঙ্গিকের বহুমাত্রিকতা ১৩২ সুন্দা ঘটক
- মঙ্গলকাব্যের ধারায় 'কালিকামঙ্গল' : কৃষ্ণরাম দাস ও
প্রাণরাম কবিবল্লভের কাব্যে বিষয়গত স্বাতন্ত্র্য নির্ণয় ১৩৯ মানিক মৈত্র
- সামাজিক ও সাংস্কৃতিক রূপ বৈচিত্র্য : প্রেক্ষিত
'গোসানীমঙ্গল' কাব্য ১৫৪ তাপস মণ্ডল

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‘গৌরীমঙ্গল’ কাব্যে রামায়ণ-মহাভারত প্রসঙ্গ

রঞ্জিতকুমার বর্মণ

পাকুড়-রাজ পৃথ্বীচন্দ্র বিরচিত ‘গৌরী-মঙ্গল’-এর রচনাকাল ১৭২৮ শকাব্দ অর্থাৎ ১৮০৬ খ্রিস্টাব্দ। গৌরীমঙ্গল, রচনার ৯০ বছর পরে ১৮৯৬ খ্রিস্টাব্দে ‘সাহিত্য পরিষৎ’ পত্রিকায় রামেন্দ্র সুন্দর ত্রিবেদীর ‘গৌরী-মঙ্গল’ নামে একটি প্রবন্ধ প্রকাশিত হয়। দীর্ঘদিন অপেক্ষার পর গ্রন্থ রচনার দেড়শো বছরের অধিককাল অতিক্রম করে ‘গৌরী-মঙ্গল’ কাব্যটি বিমানবিহারী মজুমদারের সম্পাদনায় The Asiatic society থেকে ১৯৭১ খ্রিস্টাব্দে গ্রন্থাকারে প্রকাশিত হয়। বিমানবিহারী মহাশয় ইংরেজি ভাষাতে গ্রন্থের ভূমিকা রচনা করেছেন। গ্রন্থের ভূমিকা অংশের সঙ্গে যুক্ত হয়েছে পাটনা বিশ্ববিদ্যালয়ের উপাচার্য কালিকঙ্কর দত্ত রচিত ‘পাকুড় রাজের সংক্ষিপ্ত ইতিহাস’ (With a brief history of the pakur Raj by Dr.KALIKINKAR DUTTA)। বিমানবিহারী মজুমদার সম্পাদিত গ্রন্থে উল্লিখিত ‘প্রাসঙ্গিক তথ্য’ থেকে জানা যায়—সূচনা ও বন্দনা অংশ ছাড়াও ‘গৌরীমঙ্গল’ কাব্যে কয়েকটি খণ্ড রয়েছে— ক) দেবখণ্ড, খ) বনখণ্ড, গ) যুদ্ধখণ্ড, ঘ) নীতিখণ্ড, ঙ) স্বর্গখণ্ড এবং অন্যান্য। গ্রন্থটির মোট পত্রসংখ্যা সূচনা অংশের অতিরিক্ত ৩ পৃষ্ঠা বাদ দিয়ে ২৪৬টি। হাত ও ছিন্নপত্রের সংখ্যা যথাক্রমে ১৪ ও ৪৪টি। ‘প্রাসঙ্গিক তথ্য’তে পালা সংখ্যার কোনো উল্লেখ না থাকলেও কাব্যটি ৩০টি পালায় বিভক্ত। এত বেশি সংখ্যক পালার মঙ্গলকাব্য হিসেবে পৃথ্বীরাজের ‘গৌরীমঙ্গল’ কাব্যটি নজির স্থাপন করেছে। ‘গৌরীমঙ্গল’ মঙ্গলকাব্য হলেও এই কাব্যে কৃষ্ণলীলা, মহাভারত ও রামায়ণ কথা অনেকটা জায়গা জুড়ে বর্ণিত হয়েছে।

গৌরীমঙ্গল কাব্যটি শুরু হয়েছে “আদ্যা ব্রহ্মময়ী পদ করিয়া বন্দনা” গান দিয়ে। ভিখারি বেশে শিবের কোচরমণীদের সঙ্গে নাচ, নারদের মুখে কোচরমণীদের সঙ্গে শিবের নাচের কথা শুনে গৌরীর ক্রোধের সঞ্চার, শিব বাড়ি ফিরে এলে হল-গৌরীর কলহ বর্ণনা দিয়ে সূচনা অংশ শুরু। বন্দনা অংশে মঙ্গলকাব্যের রীতি অনুসারে প্রথমেই গণেশ বন্দনা, পরে অন্যান্য দেব-দেবীর বন্দনা করা হয়েছে। দেবখণ্ড থেকে কাহিনির মূল আখ্যানভাগ শুরু হয়েছে। দেব-দেবীর মাহাত্ম্য, তীর্থমাহাত্ম্য, উপাসনাপদ্ধতি, কৃষ্ণলীলা, মহাভারত ও রামায়ণ কাহিনি প্রভৃতি নানা বিষয়ের বিবরণ গ্রন্থমধ্যে স্থান পেয়েছে বলে গ্রন্থটির আয়তন বিশালাকার।

গৌরীমঙ্গল কাব্যে লৌকিক কাহিনি

সপ্তদশ পালা থেকেই কাব্যের লৌকিক কাহিনি শুরু হয়েছে। অবন্তীনগরের রাজা শালবানের সঙ্গে মল্লসেনের যুদ্ধ; যুদ্ধে পরাজিত হয়ে মল্লসেন বনে প্রবেশ করে তপস্যা শুরু করেন। তপস্যায় তুষ্ট হয়ে বিধাতা বর দিতে চাইলে মল্লসেন শালবাহনকে পরাজিত করার বর প্রার্থনা করেন। কিন্তু বিধাতা জানান গোমতীর জল যতদিন পবিত্র থাকবে তত দিন রাজা শালবাহনকে পরাজিত করা যাবে না “থাকিতে গোমতী-তেজ নারিবে তাহারে”। তাই বিধাতা গোমতীর তেজ হরণের উপায় মল্লসেনকে বলে দেন—

ছায়া পাবলিকেশন

মহামারি কথা

প্রসঙ্গ বাংলা সাহিত্য




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সম্পাদনা
ড. মৃদুল ঘোষ

MAHAMARI KATHA : PRASANGA BANGLA SAHITYA

Edited by

Dr. Mridul Ghosh

প্রকাশক

সমীর কুমার রায়

৬এ, শ্যামাচরণ দে স্ট্রিট

কলকাতা-৭০০০৭৩

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সর্বস্বত্ব সংরক্ষিত

প্রকাশক এবং স্বত্বাধিকারীর লিখিত অনুমতি ছাড়া এই বইয়ের কোনও অংশেরই কোনওরূপ পুনরুৎপাদন বা প্রতিলিপি করা যাবে না, কোনও যান্ত্রিক উপায়ের (গ্রাফিক, ইলেকট্রনিক বা অন্য কোনও মাধ্যম, যেমন ফোটোকপি, টেপ বা পুনরুদ্ধারের সুযোগ সংবলিত তথ্য-সম্বন্ধ করে রাখার কোনও পদ্ধতি) মাধ্যমে প্রতিলিপি করা যাবে না বা কোনও ডিস্ক, টেপ, পারফোরেটেড মিডিয়া বা কোনও তথ্য সংরক্ষণের যান্ত্রিক পদ্ধতিতে পুনরুৎপাদন করা যাবে না। এই শর্ত লঙ্ঘিত হলে উপযুক্ত আইনি ব্যবস্থা গ্রহণ করা যাবে।

প্রথম প্রকাশ

জুলাই, ২০২১

প্রচ্ছদ : দেবদুলাল

টাইপ সেটিং

পুষ্প কম্পিউটার প্রেস

বালী, ঘোষপাড়া, হাওড়া

মোবাইল : ৮০১৭৫৬৯৫১৯

মুদ্রাকর

জয় এন্টারপ্রাইজ

৯বি, রামধন মিত্র লেন

কলকাতা-৭০০০০৮

মূল্য : ৫০০.০০ টাকা মাত্র

ISBN : 978-819528-81-06

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সূচিপত্র

প্রাকৃতিক বিপর্যয় ও মহামারি : প্রসঙ্গ প্রাচীন ও মধ্যযুগের সাহিত্য	ড. মৌমিতা সরকার	১৯
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বাংলা কথাসাহিত্যে বসন্তরোগ : কালগত বিবর্তন

ঈশ্বর চন্দ্র বর্মণ

সাহিত্যে সমাজের প্রতিচ্ছবি ফুটে উঠবে এটাই স্বাভাবিক। কখনো প্রত্যক্ষ বা কখনো পরোক্ষভাবে সাহিত্য সমাজের কথা বলে। কিন্তু চলতে চলতে কালের এমন করাল ছোবল সমাজের উপর পতিত হয় যা মানব জীবনকে বিপর্যস্ত করে তোলে। ফলে তার প্রভাব পড়ে মানুষের সমাজ জীবনে তথা সাহিত্য, সংস্কৃতিতে। তখন সাহিত্য প্রত্যক্ষ ভাবেই আছড়ে পড়া বিষ- বাষ্পকে তার রেখায়, লেখায়, সুরে তুলে আনে। এ কোন সুখের আলাপন বা রোমন্থন নয়, বেদনার বহিঃপ্রকাশ; বেদনাকে ভুলে থেকে ভবিষ্যতের আলোর নিশানা খোঁজা। আর বলতে গেলে আমাদের সাহিত্যের সৃষ্টির মূলেই রয়েছে 'বিষাদ'। প্রাচীন কবির বিষাদের সুর থেকেই তো সাহিত্যের সৃষ্টি। এই প্রসঙ্গে মনে পড়ে একজন অতৃপ্ত লেখকের জীবনবোধের কথাও—

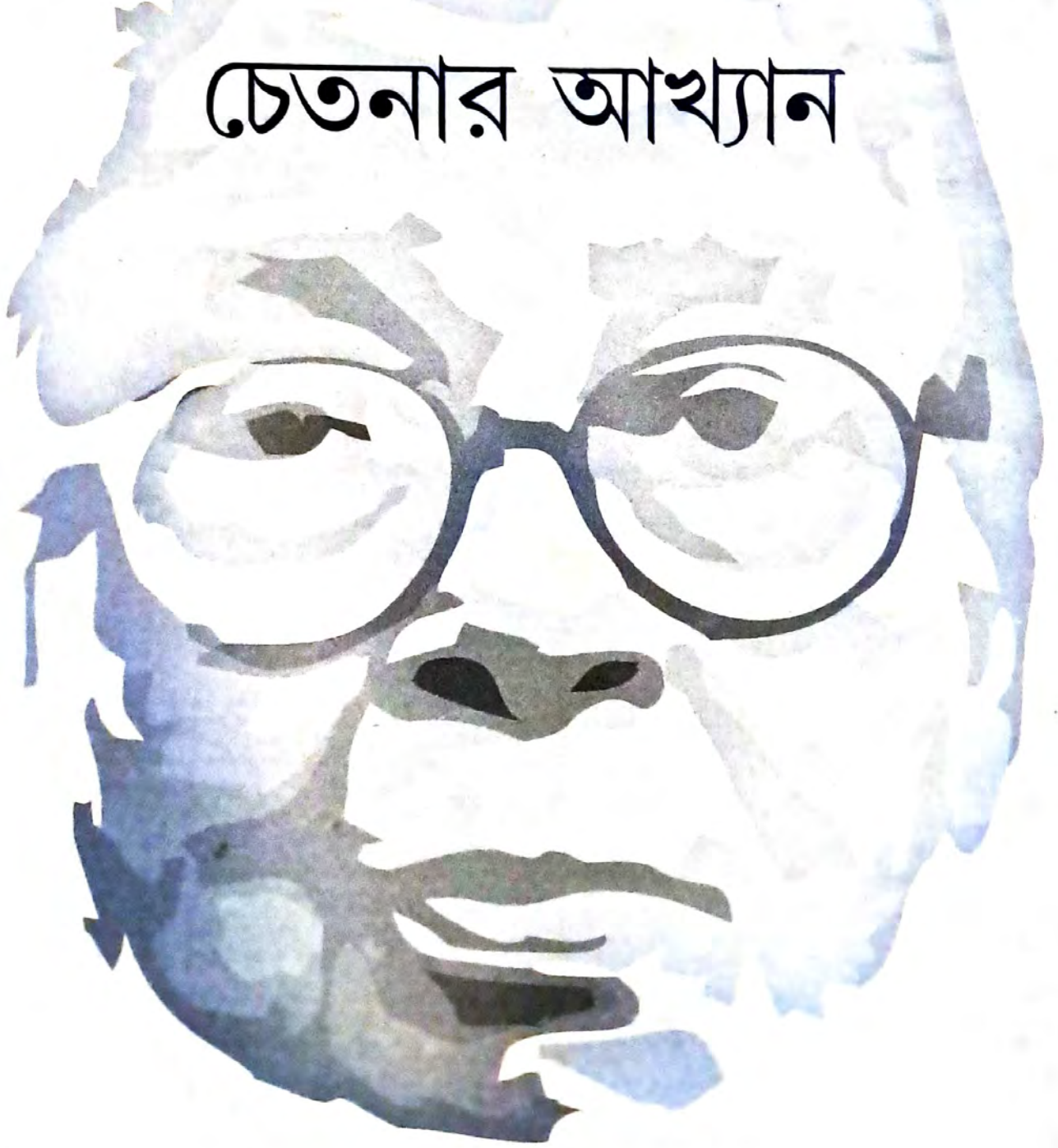
“আমরা কেউ জন্মাতে চাই না। তার প্রমাণ জন্মের মুহূর্তে প্রচণ্ড চিৎকার করে উঠি। প্রতিবাদ, তীব্রতম প্রতিবাদ, মরার চাইতে অনেক বেশি প্রতিবাদ করি। মাতৃজঠরে পরম আরামে ঘুমিয়ে ছিলাম। সেই নিদ্রা ভাঙলে আমরা চিৎকার করে উঠি। ... আমি কেন জন্মালাম ? পৃথিবীর চূড়ান্ত সুখ, চূড়ান্ত শান্তি থেকে বঞ্চিত হলাম। এই ভাবেই ফ্রাসট্রেশন হচ্ছে। সাব-কনসাসে ঢুকে যাচ্ছে। সাব-কনসাসে ঢুকে ভাবে এর থেকে বাইরে যাওয়ার পথ কই?

শিল্প, সাহিত্য, সঙ্গীত- সেই মুক্তির পথ খোঁজে।”

হ্যাঁ তাইতো মহামারির মতো বিভীষিকা আমাদের বাঙালি জীবনে যখনই এসেছে তখনই তার প্রতিরূপ ফুটে উঠেছে আমাদের সাহিত্যে। চর্যাপদ থেকে শুরু করে আবহমান কাল পর্যন্ত এই ধারা বহমান। এটা ঠিক সময়ের সাথে সাথে যেমন যুগের পরিবর্তন ঘটে তেমনি যুগের পরিবর্তনের সাথে সাথে সমান্তরাল ভাবে সাহিত্যের বিষয়বস্তুগত পরিবর্তন ঘটে। মানুষের চিন্তা চেতনা, যুক্তি-তর্ক, আবিষ্কার, নব্যযুগের জোয়ারের ঢেউয়ে পরিবর্তন ঘটে সাহিত্যের ভূমি স্তরের। এরকমই একটি বিষয় নিয়ে আলোচনার জন্য এই প্রবন্ধের অবতারণা।

মহাশ্বেতা দেবীর
'হাজার চুরাশির মা'

চেতনার আখ্যান



ঈশ্বর চন্দ্র বর্মণ
মিতা রায়


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সঙ্কিতা ঘোষ

দেশ, যার সাথে জন্ম থেকে মৃত্যু পর্যন্ত একজন মানুষের থাকে নাড়ির টান। সেই দেশকে যখন ভেঙ্গে দু-টুকরো করা হয় তখন প্রতিটা বাঙালির বুক কেঁপে ওঠে। দিনটা ছিল ১৯৪৭ সালের ১৪ই আগস্ট। ভারতে দীর্ঘদিনের ব্রিটিশ শাসনের অবসান ঘটে। ভারত স্বাধীন হয়। কিন্তু ভারত ভেঙ্গে সৃষ্টি হয় ভারত ও পাকিস্তান নামে দুটি দেশ। কটাতার দিয়ে আলাদা করে দেওয়া হয় পাশাপাশি বাস করা হিন্দু মুসলমানকে। দেশভাগের ফলে ওপারের লক্ষ লক্ষ হিন্দু পাকিস্তান ছেড়ে চলে আসে ভারতে। আর এপারের মুসলমানেরা নতুন আশ্রয়ের সন্ধানে পাড়ি দেয় পাকিস্তানে। নিজস্ব ভূমি থেকে উৎখাত হয়ে হাজার হাজার মানুষ হয়ে যায় বাস্তুহীন। নতুন দেশে আসার পর এখানকার পুরনো বাসিন্দারা তাদের নাম দেয় 'রিফিউজি' বা উদ্বাস্ত। প্রসঙ্গত মনে পড়ে যায় অচিন্ত্যকুমার সেনগুপ্তের 'উদ্বাস্ত' কবিতাটি—

“আসল জিনিস দেখবি তো চল ওপারে,

আমাদের নিজের দেশে, নতুন দেশে,

নতুন দেশের নতুন জিনিস- মানুষ নয়, জিনিস-

সে জিনিসের নাম কি?

নতুন জিনিসের নাম- উদ্বাস্ত”।’

দেশভাগের ফলে রাতারাতি বদলে যায় মানুষের ঠিকানা। প্রাণ ও মান বাঁচানোর দায়ে দলে দলে হিন্দুরা চলে আসতে শুরু করে ভারতে। কারণ পূর্ব-পাকিস্তান তখন মুসলিম সংখ্যাগরিষ্ঠ মানুষের দেশ। একটি পরিসংখ্যান থেকে সে সময় ভারতে উদ্বাস্ত আগমনের চিত্রটি দেখে নেওয়া যেতে পারে—

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উত্তরপ্রদেশ	—	৮,৮০,২৭০
আসাম	—	২,৭৪,৪৫৫

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CRISIS

AND

CREATIVITY

**CONTEMPORARY INSIGHTS FROM
THE FIELD OF SOCIAL & BASIC SCIENCES**

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SUSTAINABLE TRENDS IN METHODS OF ORGANIC SYNTHESIS

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ABSTRACT

Sustainable Chemistry, popularly known as *Green Chemistry* among Chemists, is an area where the chemists have taken up the challenge to convert the old technologies into new eco-compatible processes. The trends in greener process development include the use of alternate energy modes (e.g. ultrasound- or microwave irradiation), photochemistry, greener reaction media (e.g. water, ionic liquid) and application of bio-mimetic approaches in organic synthesis. Metal nanocatalysts (Pd, Ni, Ru, Fe, Cu, etc.) immobilized on recyclable or biodegradable supports are areas of special interest. These modifications in the conventional technologies address most of the *12 principles of Green Chemistry* aiming at maximum productivity with minimum waste and hazards.

Key words : *Sustainable chemistry, nanocatalyst, green reaction, recyclability, alternate energy mode*

INTRODUCTION

Sustainability basically means meeting the requirements of the present generation without compromising the needs of the future generation. Sustainable and green chemistry is just a different way approaching chemistry without fouling our environment. Green chemistry comprises innovative technologies aimed to reduce / eliminate the use or generation of hazardous substances. Use of green technology in syntheses and processing reduces risks to humans as well as environment. Primary prevention of pollution is not a remedy. Green chemistry applies to the whole life cycle of a chemical, including its design, synthesis and use. As pollution, especially air and water pollution, is not restricted by national borders, governments throughout the world are urged to adopt internationally accepted environmental policies. The most important environmental agencies, heavy industry and the world

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ABOUT THE EDITOR



Dr. Tapan Kumar Ghosh is an Associate Professor at the Department of Economics, Acharya Chandra College, Midnapore, West Bengal, India. He completed his Master's degree, B.Ed. and Ph.D. degree as Postgraduate from University of North Bengal, India. He has a wide working and research experience. His main fields of interest are Development Economics, Public Finance, Business Economics, Environmental Economics and Trade Studies. His research articles have been published in various journals and edited books of national and international repute. He has also authored five books. He has presented a number of research papers at national and international seminars and conferences in South Africa, Russia, USA, Japan and Bangladesh. He may be contacted at the e-mail: tkg@130@yahoo.com

ABOUT THE BOOK

Covid-19 pandemic has significantly disrupted every aspect of human life. As the Covid-19 spread across the globe to paralyze our country in particular, alarm bells are ringing in the education sector. The issue of the Covid-19 and its impact on education system is an emergent focus of debate worldwide. The Covid-19 pandemic has forced schools, colleges, universities and other educational institutions to shut down temporarily. Closing educational institutions and cancelling classes have become a Covid-19 reality in many countries of the world, leading to enormous anxiety and uncertainty. The purpose of this edited book is to investigate the impact of Covid-19 crisis on educational system. Efforts have been made by this edited volume to identify and investigate the challenges that presently the education system is facing due to Covid-19 disruption. Some chapters analyze the impact of Covid-19 on Indian education system, focusing on education during online teaching and assessment of students getting online classes. Chapters included in this book also attempt to explore the opportunities for the future of global education in the post Covid-19 world. The book includes contributions from a variety of countries and from authors who systematically reflect on the consequences of the pandemic and previous findings from research focusing on the ways in which the Covid-19 pandemic has affected the world of teachers and students. Overall, the book has attempted to find out the answer to the most pertinent question at this present moment of crisis.

ABOUT THE EDITOR



Dr. Kanak Kanti Bagchi is Professor at the Department of Economics, University of North Bengal, Rajshahi, Chhatrapati, West Bengal, India. He has a wide working experience in undergraduate, post-graduate and research levels. His main fields of interest are Development Economics, Labour Economics and Agricultural Economics. He published some books, many research papers in various national and international journals and a couple of books and edited books. He has also presented a number of papers at University, state and national and international level workshops, seminars and conferences. He may be contacted at the e-mail: kbagchi@northbengal.com

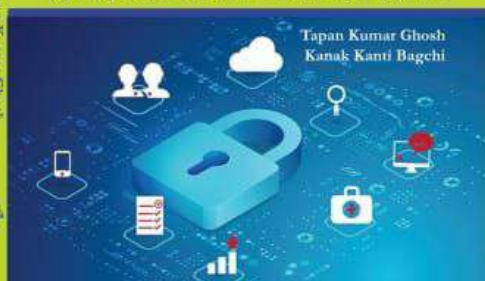
EDUCATION IN INDIA
IMPACT OF COVID-19 CRISIS AND CONTEMPORARY ISSUES



EDUCATION IN INDIA

Impact of Covid-19 Crisis and Contemporary Issues

Tapan Kumar Ghosh
Kanak Kanti Bagchi



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IMPACT OF COVID-19 ON EDUCATION SYSTEM IN INDIA

Lisa Sarkar

INTRODUCTION

The COVID-19 pandemic has spread over whole world and compelled the human society to maintain social distancing. Almost in every year, education systems in many countries are disrupted because of climate-change-related natural hazards and armed conflicts. But the world has not seen this level of disruption of education spread so uniformly since the Second World War. Most governments have opted to close schools for the legitimate public health aim of containing the spread of virus. But governments are still obligated to respect the right to education. The National Education Policy, released by the Union government in July, has also emphasised the importance of online education, blended with the traditional mode. A 2018 NITI Aayog report revealed that 55,000 villages in India did not have mobile network coverage. So the shift to online learning came with its own set of challenges. The structure of the Indian education system i.e. learning methodology, teaching techniques & assessment methodologies, is quite affected, resulting in a shift to online education with most focus on virtual education to accomplish the set aims and objectives. But only a handful of schools and universities could adopt such methods and the low-income private and government schools are quite inefficient to adopt the same, thus resulting in a shutdown. The World Health Organization (WHO) (WHO, 2020a) on March 11, 2020, has officially announced that corona virus (COVID-19) is a pandemic after it covered 114 countries in 3 months and infects more than 118,000 people in the


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Department of Education



Problems of Indian School Children and Remedies

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Problems of Indian School Children and Remedies

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21.

Effect of Social Media on School Children

Payel Dey Sen*

Introduction

Social Media which is considered as one of the strongest means of communication in the 21st century helps people to connect from far places. It consists of online technology platforms including Facebook, Twitter, Instagram, YouTube, WhatsApp among many others. Social media and technology are integral parts of daily life, and integrating the use of these into the classroom is more natural than before, given how acclimated many students are to them.

Each social media platform offers many different ways to be used in the classroom, from sharing announcements to holding live lectures, and so much more.

Social Media has many positive effects on education including better communication, timely information, socializing online, learning, enhancing skills, making a career among others. But the same has some negative effects which include identity theft, cyber

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CHALLENGES OF INCLUSIVE AND ADAPTIVE PEDAGOGY



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INCLUSIVE EDUCATION

Mrs. Payel Dey Sen

Abstract

Planning is an important aspect of management in achieving the aims and objectives required for education. This is the only process that finds out the future course of action to be undertaken at all stages of management. Planning and management both play significance in the context of ensuring quality education. To promote effective classrooms, various components must be added or considered such as teacher professionals, restructured classrooms, adapted curriculum and individualized education plans and remedial teaching. An Inclusion classroom is a common education classroom in which students with and without disabilities learn together. It is essentially the opposite of a special education classroom, where students with disabilities learn with only other students with disabilities. In an inclusive classroom, where all students have the right to feel protected, supported and included at school and in the regular classroom. In an inclusive classroom, it is a key factor for the teacher to fully understand the combined progress of all students, physical and learning needs of the students. The teacher plays a central role in maximizing the learning potential of students with special needs. Often, the teacher nurtures a relationship between a student with special needs and a same-age student without a special educational need.

Keywords : *Children with disabilities, government schools, inclusion, inclusive education*

1. Introduction

It is carried out in a common learning environment that is an educational setting where students from different backgrounds and with different abilities learn together in an inclusive atmosphere. Inclusive education is about ensuring


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INDIA AND THE PANDEMIC

THE TRAJECTORIES OF COVID-19

& ITS COROLLARIES

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PREFACE

"Life is a shipwreck, but we must not forget to sing in the lifeboats."
— Voltaire

In the Portuguese Nobel laureate José Saramago's novel *Blindness*, a man stranded at a traffic signal, waiting for the light to turn green, suddenly goes blind. Slowly an inexplicable epidemic of "white blindness" ravages the unnamed city. Afflicted citizens are taken in isolation in an abandoned asylum for safety. But anarchy reigns as the powerful blind thugs and criminals terrorize the inmates and control the Government supplied ration. The increase in the number of victims finally leads to a complete breakdown of social structure. Metaphorically, blindness here represents a myopic vision of reality. Here is an aggravation of the irrationality which subsumes humanity in times of crisis.

Saramago's description of the agony of the city dwellers, their fear of contagion, finds its archetypal echoes in our present experience with the Covid-19 pandemic. By uncovering our hitherto embodied experiences, the pathogen has dislocated our sense of rootedness and the notion of stability, projecting an uncertain and an apocalyptic vision about the future.

A disease, which in itself is meaningless, slowly acquires its meaning as it intrudes in the cultural and political life of the people of a community, inciting specific responses. This symbolic mutation of a disease with its power of manifesting new ideas opens up the new scope of contestation. It radically affects the nature of our involvement with the world. Illness

thus acts as the necessary impetus for us to assess our existential reality and its vulnerability.

There is a distinctiveness of epidemic disease. It reveals the death anxiety of people under siege from the pathogen and the fear of their victimization. In the process of politicization of disease, the pathogen becomes the epicentre of varied manifestation of power.

The Covid-19 pandemic has changed our country beyond recognition in the last year. The sudden declaration of lockdown by the Prime Minister with only four-hour notice exposed the stark reality of the nation, its duality and imbalance – ‘There are two Indias inside India’, don’t they say? While the well-off were engaged in hoarding food and commodities, the underprivileged lot survived by skipping meals. No ethical consideration could compel this bazaar-happy middle-class to alter the pattern of their daily consumption habit, expressing minimum solidarity for the suffering poor. Lockdown has exposed the faultlines of our economic class structure, the outcome of crony capitalism.

For hundreds of thousands of migrant workers, which constitute 90 per cent of the country’s workforce, the lockdown was a double whammy – it robbed them of their job and forced them to flee the cities they worked in. For many, this plight is reminiscent of the migration of refugees during Partition in 1947. Unfortunately, the world’s strictest coronavirus lockdown proved to be the most ill-planned one – ‘the greatest man-made tragedy in India since the Partition’, as opined by the historian Ramchandra Guha. However, these workers showed rare courage of heroic dimension during the lockdown. They had dealt with the reality and withstood challenges differently from the people of other class.

Their struggle for survival was a practice lesson on existentialism, upholding the value of minimalist living; but no helicopter showered petals; none banged *thaalis* to acknowledge their sacrifice. Undoubtedly, the tragedy of the workers of the informal sector, where the migrant workers comprise a

large part, is a glaring pitfall of the Covid-19 pandemic in India. Their popping up on the country’s social surface burst forth the GDP induced fairy-tale narrative of ‘progress’ of a nation which the lapdog mainstream media desperately wanted to project to the outer world. We are not to miss a tacit pattern of political framing of the people by the state to whom some lives become valuable whereas others are not, as if they never lived.

History testifies the calibrated use of pandemic as a political weapon mobilized for social discrimination in various parts of the world. Hitler’s reference to ‘Jewish Plague’, Donald Trump’s ‘Chinese Virus’ tweet for Covid-19, fueling anti-Asian hatred or connoting AIDS as ‘gay plague’, as it was first detected among homosexual men, are instances of using the disease as divisive tools. Under the pretext of the state’s safety, a group or a community is stigmatized as vulnerable.

In India also, we observed the same discriminatory practices during the pandemic. The Covid-crisis was a pretext to vilify the value of freedom by the state. The systematic scapegoating of a religious community in the wake of the Delhi state election, crushing of peaceful anti-CAA movement or clamping down on people who speak out, are instances of disease-politics.

Corona-thinking thus provokes us to tap on the point of intersection between zoonotic spillover and the coronavirus bio-politics. It is an apt imperative to gauge the governmentality of the state, its regulatory strategies and intrusion in the social, cultural and even personal life of the people.

Any devastating events create an opportunity for new thinking. It forces us to re-conjure our self-hood and re-define our priorities. Corona pandemic is thus a compulsion for re-envisioning a new world order promoting new knowledge centring on the sociology of togetherness. Instead of showing an urgency to go back to pre-covid reality, we should think of an alternative post-pandemic society without the evils of inequality, exclusion and discrimination. The situation demands



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a change of attitude, rare prudence and re-fashioning of the self.

In Saramago's novel, when all the people lose both their sight and sensibility, it is the solidarity of a few self-sacrificing blind men under the guidance of the doctor's wife, the only sighted person in the city, which become instrumental in ending the reign of terror. It is always the handful that turns the tide of the dominant. In India, sporadic protests by migrant workers and health workers for wages, better living and working conditions during the pandemic, unbiased analysis of the Government's pandemic-policies by the new media websites, the relentless struggle of many public intellectuals to uphold the values of solidarity, usher hope for a new post-pandemic India.

This volume offers honest observations of various aspects of the current pandemic by fifteen scholars of different subjects. We expect that their analysis of educational, economic, cultural, political and other dimensions of the pandemic, will be helpful for all to build a comprehensive opinion about the present crisis.

Siliguri, April 2021

Arnab Baul



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INDIA AND THE PANDEMIC THE TRAJECTORIES OF COVID-19 & ITS COROLLARIES

Pranab Kumar Mishra
Arnab Baul

INDIA AND THE PANDEMIC
THE TRAJECTORIES OF COVID-19 & ITS COROLLARIES

Pranab Kumar Mishra
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Chief Editor
Tripti Dhar

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Philosophy in the Time of Corona : The Epistemology of Illness and Body

Arnab Baul*

'The last shall be first...'

In his book *The Last Lecture*, Randy Pausch, a computer science professor at Carnegie Mellon University, diagnosed with pancreatic cancer, writes :

I had little interest in giving a discourse on, say, my insights into how I coped with the disease, or how it gave me new perspectives. Many people might expect the talk to be about dying. But it had to be about living.¹

How was it possible for him to meditate on 'living' at the threshold of death ? How do our lived experiences of illness facilitate philosophical reflections on life? These questions become relevant at a time when the world is reeling under COVID-19 pandemic. Thinking about pandemic is to engage with the binomial of body/disease, that foregrounds the precarity of existence.

Recognition of the role of illness and disease as philosophical tools problematizes our accepted notion of self and the idea of our embeddedness with this world. In the case of Randy Pausch, the impending sense of fatality of colone cancer and the related psychosomatic changes in the body acted as a stimulus to document his ideas about life and living for the posterity. His positive perception of life is the result of a self-scrutiny out of his forced intrusion into the lived experience of the fatal disease.

The Philosophy of Health & Disease

Reflection on disease and illness is an important area of study in the history of philosophy. Various strands of thoughts explored the issue of health and disease from multiple perspectives. While sickness and suffering were taken for granted as a part of life and not questioned as such, but the reason for suffering was always

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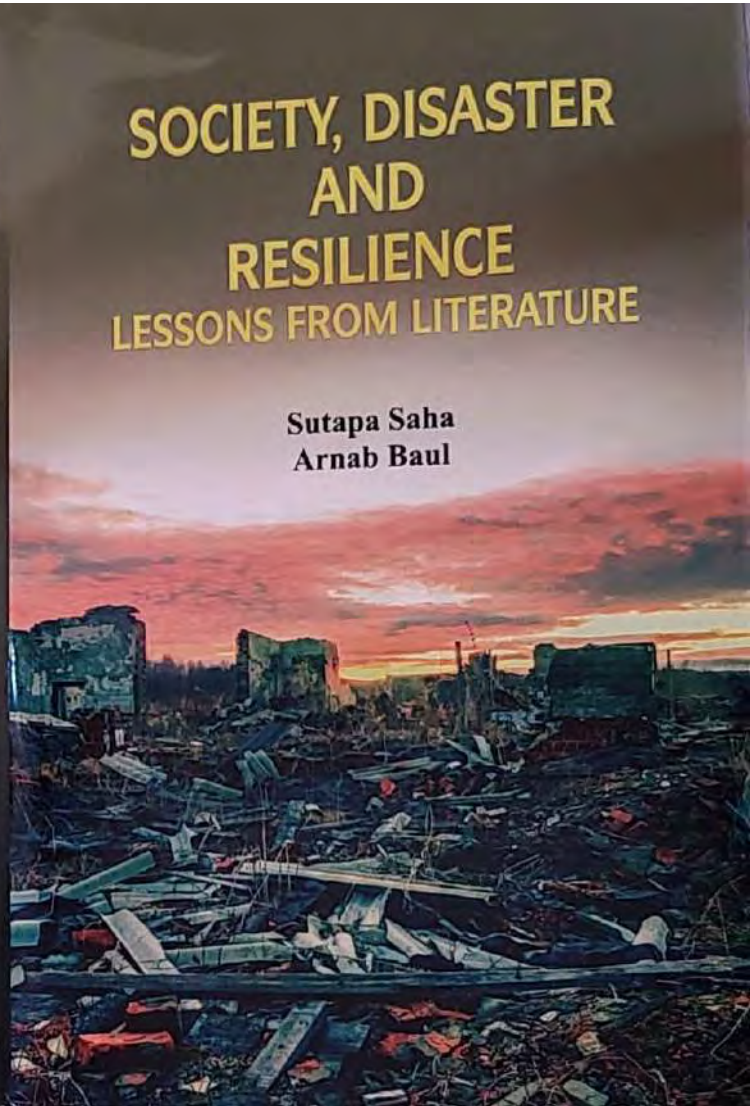
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SOCIETY, DISASTER AND RESILIENCE LESSONS FROM LITERATURE

Sutapa Saha
Arnab Baul

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INTRODUCTION

Thinking Disaster

Arnab Baul

*There are more things in heaven and earth, Horatio,
Than are dreamt of in your philosophy*

— Shakeapeare, *Hamlet*

On March 11, 2011, a magnitude-9 Tohoku earthquake and tsunami shook northeastern Japan, devastating the lives of people, wiping out communities and triggering nuclear meltdown at the Fukushima power plant. In the context of this triple disaster of the earth, water and nuclear, Tokyo Governor Shintaro Ishihara gained notoriety for commenting that the nation's worst natural disaster was "tenbatsu," or divine punishment, for the wickedness of the Japanese people. For Ishihara, a prize-winning novelist, the tsunami was a means of washing away the 'gayoku' or egoism affecting the people of the nation (Dwyer,2011,para 2).

The much-condemned comment of Ishihara is a part of a long tradition of theodicy discourse of natural disaster, where the calamity is interpreted as the punishment of the Almighty. However, positing against the context of Japanese religious tradition where most people declare themselves as 'mushukyo' or without formal religion, and where public perception of religion is always associated with the act of active philanthropy and the acts of relief and reconstruction (McLaughlin,2011),


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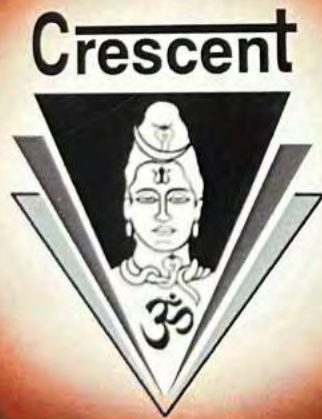
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REVISITING POE'S "THE MASQUE OF THE RED DEATH" CONCERNING THE QUESTION OF CLASS

Puja Mahajan

"The red death f had long devastated the country. No pestilence had ever been so fatal, or so hideous. Blood was its Avatar and its seal – the redness and the horror of blood. There were sharp pains and sudden dizziness, and then profuse bleeding at the pores, with dissolution. The scarlet stains upon the body and especially upon the face of the victim were the pest ban which shut him out from the aid and the sympathy of his fellow-men. And the whole seizure, progress and termination of the disease, were the incidents of half an hour." (*The Masque of the Red Death*)

Although written in the year 1842, any reader of 2021 would be easily able to recognise the sensibility of the above-quoted lines from Edgar Allan Poe's gothic tale "The Masque of the Red Death". Plagues and pandemics are not any new phenomena in human history. The human world has been hit by epidemics countless times in the past, killing millions at once and thus changed the course of human history in numerous ways. The outbreak of Coronavirus in recent times, too, has revealed a lot of bitter truths about human nature both during and after the course of the contagion. Whereas the bourgeois class tried to survive the pandemic by locking themselves up within the protective gears of their riches, the working class was seen to be pushed at the highest point of their vulnerability as they were forced to expose themselves to the proximity of the virus in

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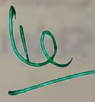
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9

The Tropes of Trauma, Postmemory and Resistance in Defoe's *A Journal of the Plague Year*

Puja Mahajan

How many valiant men, how many fair ladies, breakfast with their kinfolk and the same night supped with their ancestors in the next world! The condition of the people was pitiable to behold. They were sickened by the thousands daily and died unattended and without help. Many died in the open street, others dying in their houses, made it known by the stench of their rotting bodies. Consecrated churchyards did not suffice for the burial of the vast multitude of bodies, which were heaped by the hundreds in vast trenches, like goods in a ships hold and covered with a little earth.

-Giovanni Boccaccio

European literature abounds with the history of plague narratives starting from very antiquity. Literature has often been the gateway through which one can probe deep into the prism of human history and discover ways through which the present can be made more comprehensible. Daniel Defoe is one of the leading figures of the eighteenth century dealing with the plague narrative. Defoe's *A Journal of the Plague Year* (Landa, 2010) is a narrative that chronicles the outbreak of the Great Plague of London of 1665 and the ravages it brings about in the socio-cultural and psychological sensibility of the time. Defoe published this work


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INDIA AND THE PANDEMIC

THE TRAJECTORIES OF COVID-19 & ITS COROLLARIES

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**India and the Pandemic
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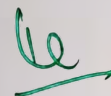
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those who have lost their lives to the icy predator Coronavirus

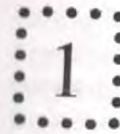


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INDIA IN POST PANDEMIC EARTH

Kamalika Banerjee

Introduction

Covid-19 has caused a serious impact on almost every aspect of the world. It is such an incident that has made the entire human civilization stand before an unprecedented situation. Within a few months, the novel coronavirus has spread across the world and paralysed our normal lifestyle. It is the deadliest outbreak since the 1918 Spanish Flu. This pandemic outbreak is a threat to every country of the earth. As we all know that covid is not only a health-related issue but also the pivotal geopolitical actor of our time. It may be said the covid is a watermark in the history of international politics which indicates a new global order of the post-pandemic world. A pandemic is a disease outbreak situation in which a disease spreads and affects across countries and continents and impacts are on a wide scale. It is implied that covid is such an incident that is related to multidimensional aspects of various countries. The new world order has also been emerged accompanied by new normal. In this regard, Tirkey (2020) thinks that the global order was already undergoing a slow and steady 'metamorphosis' (para. 2).

A new era has emerged where the predominant status of first world countries is no longer going to sustain. The monopoly power structure has come to an end. Gradually India is becoming a significant player on the stage of world politics. A virus made our world multipolar. The centres of the power of interests are divergent now. The outbreak of

MENTAL HEALTH ISSUES DURING PANDEMIC: THE ROLE OF SOCIAL MEDIA

Sudeshna Mandal

Introduction

COVID-19 which is caused by the SARS-CoV-2 virus originated in Wuhan, China in December 2019 and has since spread worldwide. Outside China, the first case of Covid-19 was found in Thailand. The pandemic Covid-19 is pervasive and affecting the human community from all walks of life. Covid-19 is the name given by the World Health Organisation (WHO) on February 11, 2020. The COVID means "CO" stand for "CORONA" "VI" for "VIRUS" and "D" for "DISEASE" formally this disease was referred to as the 2019 novel coronavirus. covid-19 is considered as the most crucial global health calamity of the century and the greatest challenge that the humankind is facing since the 2nd World War. As per the latest report, the current outbreak of covid-19 has affected more than 13 crores of 13 lakh people and killed over 28 lakhs 59 thousand people in more than 200 countries throughout the world. India alone lost over 1 lakh 65 thousand people due to the scourge of deadly covid-19 (as of 4th April 2021) (Coronavirus Pandemic, 2020). With an increasing number of Covid-19 patients and with the vaccination program not getting the desired momentum, ceasing most human contact remains one of the effective ways to stop the spread of the virus.

Coronavirus, Lockdown and Mental Health

As the coronavirus crisis deepened across the world last year, countries used lockdown as one of the prime quarantine strategies

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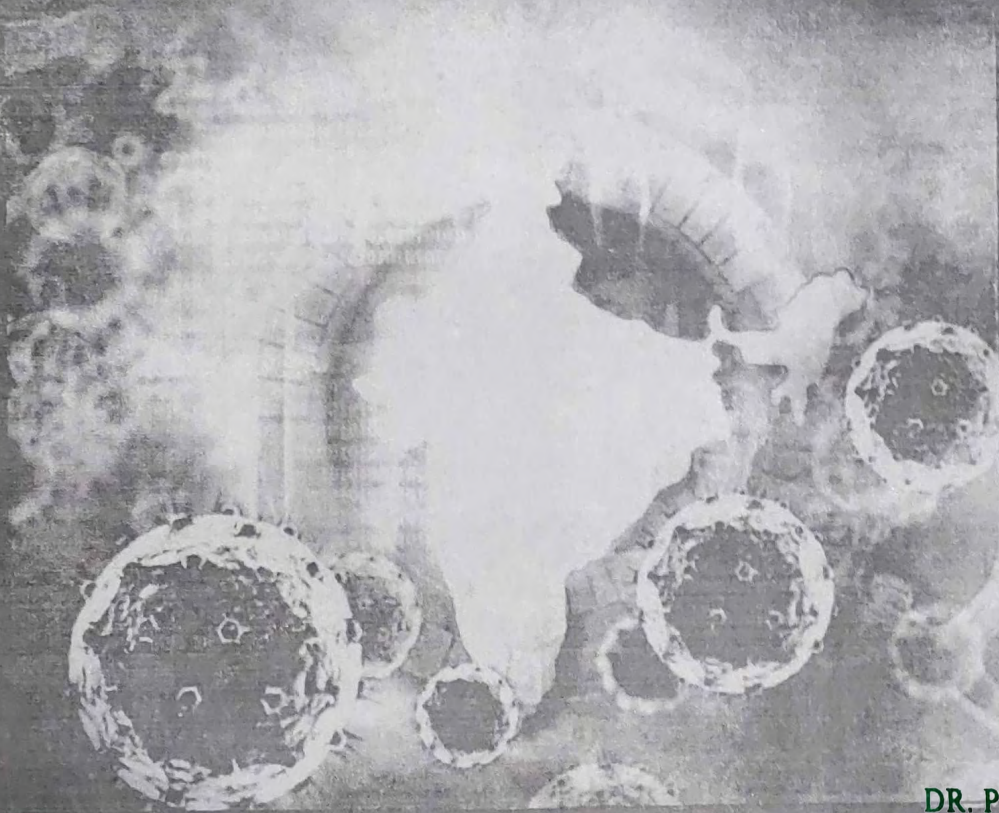
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BLENDED LEARNING IN THE NEW NORMAL: OPPORTUNITIES AND CHALLENGES IN INDIA

Romyani Goswami

Introduction

Blended learning is a unique style of education in which students can learn via electronic and online media as well as traditional face-to-face teaching. This novel approach to education has the proven potential to enhance both the effectiveness and efficiency of meaningful learning experiences (Garrison & Kanuka, 2004, p. 95). Hollis and Madill (2006) in their article on online learning pointed out the increasing demand for a combination of online learning with face to face instructions among graduate and postgraduate level students (p. 61). In another article (Lane, 2016) it is reported that for the development of employability skills and the learning of discipline-specific knowledge and skills, the blended learning system has to be effective (p. 47). Wu and Hitzs (2004) found that a mixture of both face-to-face and online interactions and discussions improved the student perception of learning (p. 139).

It is well known that the COVID-19 pandemic has caused the largest interruption of education in history. It already had a common impact on learners and teachers around the globe, from pre-primary to secondary schools, colleges, universities, adult learning and skills development establishments, technical and vocational education and training (TVET) institutions. On March 11, 2020, World Health Organization declared Covid-19 as a

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Crisis And Creativity : Contemporary Insights From The Field of Social & Basic Sciences

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STUDY OF STRUCTURAL AND OPTOELECTRONIC PROPERTIES OF NANOCRYSTALLITES EMBEDDED IN HYDROGENATED AMORPHOUS SILICON OXIDE (SiO_x:H) FILMS BY PLASMA ENHANCED CHEMICAL VAPOUR DEPOSITION TECHNIQUE (PECVD)

Romyani Goswami

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ABSTRACT

To develop wider band gap materials for solar cells, undoped hydrogenated silicon oxide (SiO_x:H) films were prepared by RF PECVD method varying hydrogen dilution (Y) of silane and CO₂ gas flow. From FTIR spectra it is observed that oxygen content (Co) and bonded hydrogen content increase upto Y = 2.5 and at higher Y they decrease. As Y increases, optical band gap (E_g) increases and photoconductivity decreases. A strong photoluminescence (PL) peak is obtained for the film having low value of Co. Much broader and less intense peaks have been found in films with higher Co values. Surface morphology of the SiO_x:H films deposited at different hydrogen dilution have been studied by Field emission Scanning Electron Microscopy (FESEM). It has been seen that, clusters of distinct silicon nano particles have been distributed uniformly all over the film surface. The existence of such inhomogeneous phase structure reveals the two phase model of hydrogenated silicon oxide alloy materials where the silicon rich region is surrounded by the oxygen rich region. In SiO_x:H films, nano-crystalline silicon quantum dots embedded in amorphous SiO_x network have been observed in high resolution transmission electron micrographs (HRTEM). The origin of PL spectra and its correlation with Co value in the films can be explained by quantum confinement effect (QCE) theory.

Key words : *nanocrystalline, FESEM, HRTEM, photoluminescence*


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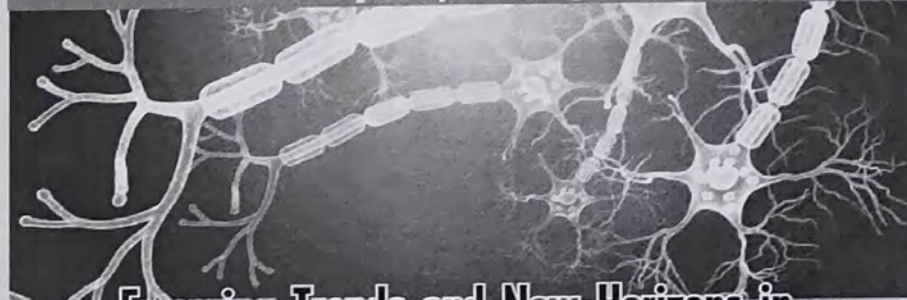


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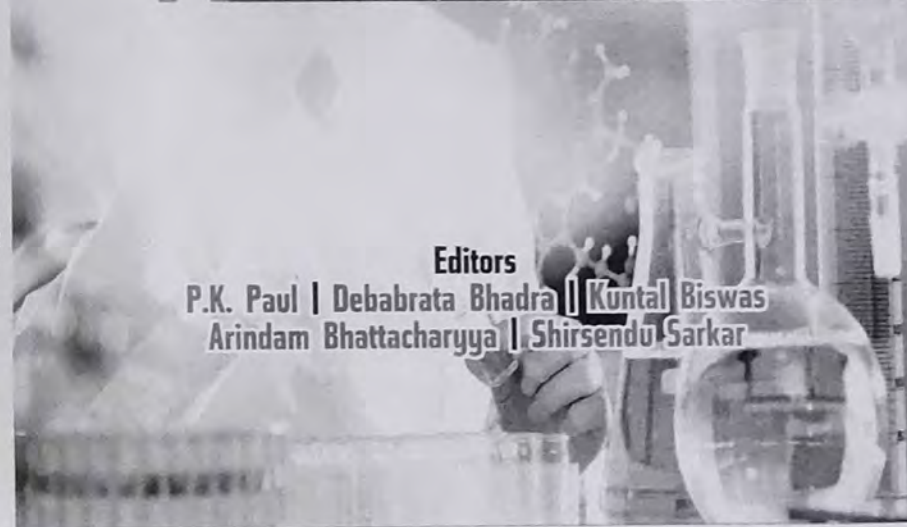
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Investigation of n-Si:H thin films as intrinsic layer of solar cell

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Abstract: In photovoltaic system the major challenge is the cost reduction of the solar cell module to compete with those of conventional energy sources. Fabrication of thin film solar cell is a low cost process and can solve the problem. The third generation silicon solar cells are based on nano-crystalline and nano-porous materials. Hydrogenated nanocrystalline silicon (nc-Si:H) is becoming a promising material as an absorber layer of solar cell due to its high stability with high V_{oc} . It is also suggested that the cause of high stability and less degradation of certain nc-Si:H films may be due to the improvement of medium range order (MRO) of the films. In this work nc-Si:H films are successfully deposited at a high deposition rate using a high pressure and a high power by Radio Frequency Plasma Enhanced Chemical Vapor Deposition (RF PECVD) technique. The transmission electron microscopy (TEM) studies show the formations of distinct nano-sized grains in the amorphous tissue with sharp crystalline orientations. Light induced degradation of photoconductivity of nc-Si:H materials have been studied. Single junction solar cells and solar module were successfully fabricated using nanocrystalline silicon as absorber layer. The optimum cell is 71 % efficient initially. Improvement in efficiency can be achieved by optimizing the doped layer/interface and using Ag back contact.

Keywords: nanocrystalline, photovoltaic, transmission electron microscopy, light induced degradation, solar cell


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Department of Political Science

INDIA AND THE PANDEMIC

THE TRAJECTORIES OF COVID-19 & ITS COROLLARIES

Pranab Kumar Mishra
Arnab Baul



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COVID 19: AN IMPETUS TO PRIVATIZATION OF EDUCATION

Priyanka Chhetri

*"Education is the most powerful weapon which you can use to
change the world"*
-Nelson Mandela

Tracing the historical development, the above statement aptly justifies that education is one of the key forces for the development of society. Therefore, humankind has given the utmost focus on education. Through education, humans have sincerely attempted to carry forward the knowledge gathered by them over generations. However, there have been instances where formal education was brought to a standstill. One such instance is the Covid 19 pandemic that we are facing for the past one year. The pandemic engulfed the world such that it brought human lives to a halt. Every aspect of human life was affected and education was no exception. This pandemic has brought the largest disruption in the history of education. A report of the UN states that nearly 1.6 billion learners were affected across the globe (United Nations 2020). Universities and schools were forced to discontinue the physical classes and shift towards the online mode of learning. The pandemic pushed the education system in our country adversely where most schools, colleges and universities are still struggling to reopen completely. Both private and public institutions tried ways and means to connect with the students, technology came to the rescue!

Every big or small, private or public institution tried to resort to technology, with online classes, webinars, WhatsApp chats, YouTube videos taking over. Though digital education already exists in the Indian education system it was not the main medium



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IMPACT OF COVID-19 IN SAARC COUNTRIES

Babita Das

Corona Virus (COVID - 19) disease was first identified in Wuhan, Hubei of China in December 2019 and gradually it has become the cause of the ongoing pandemic (Saha & Bhowmik, 2020, p. 22). From there the virus has spread rapidly in all parts of China and to other countries of the world.

In the initial phase, most of the confirmed cases of COVID - 19 of the South Asian region were imported from other countries. For instance, Nepal was the first country of this region to have reported COVID-19 cases on 23rd January 2020, which spread due to a person who returned from Wuhan, China. The second and third countries were Srilanka and India respectively which reported their COVID-19 cases in the month of January 2020. Next Afghanistan and Pakistan, reported their first cases in the month of February 2020. Both the countries imported this virus from Iran. A tourist who came from the U.S was responsible for the outbreak of COVID-19 in Bhutan, which reported its first case on the month of March 2020. Lastly, the Maldives and Bangladesh also reported their first case in the month of March 2020 and the virus was imported from Italy (Saha & Bhowmik, 2020, p. 22). As of 9th January 2021, more than 11,833,189 cases have been reported in this South Asian region and has resulted in more than 173,650 deaths. Out of the confirmed COVID 19 cases, more than 11,333,190 have been recovered ("India Coronavirus", 2021, 9th January).

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