



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: 2022

Author	Title of the book/chapters published
Dr.Suphal Biswas Dept of Bengali	Alankar Bornika
Dr.Suphal Biswas Dept of Bengali	Bharotio Nandan Tatto
Dr.Suphal Biswas Dept of Bengali	Biswe Vayer Batabaraner Swarup o Taser Desh
Ranjit Kumar Barman Dept of Bengali	Dahankal: Jelejibone Ekattarer Juddhaviti o Jouno Santras
Dr.Dipak Saha Dept of Bengali	Vayer Sanskriti o Manashamongal
Dr.Dipak Saha Dept of Bengali	Balban Jamata : Hasir oi Jharnatalay
Dr.Dipak Saha Dept of Bengali	Pather Pachalir Path
Dr. Bablee Mandal Dept of Chemistry	"Chapter 2 Magnetic nanocatalysts in disulfide synthesis". Volume 1 Synthetic Applications
Reema Doma Sherpa Dept of Commerce	Students preference for blended learning Post Covid-19
Reema Doma Sherpa Dept of Commerce	Education Serves as a Motivator for Rural Women's Empowerment

Reema Doma Sherpa Dept of Commerce	Darjeeling District an ideal Destination for Start-Up Enterprise An Empirical Analysis
Reema Doma Sherpa Dept of Commerce	Comparison of Gandhi's Thoughts of Women Empowerment with Today's India
Payel Dey Sen Dept of Education	Information and Communication Technology (ICT) in the Distance Education System
Piu Roy Dept of Education	Topic Inclusive Education for Special Children some Barriers
Sutapa Saha Dept of English	A Morning Story
Puja Mahajan Dept of English	The Mechanism of Suppression in Orwell's Nineteen Eighty Four
Ishita Saha Dept of Geography	An Analysis of Female Work Participation & Literacy in West Bengal, India
Ishita Saha Dept of Geography	A study on Spatial Temporal Variability of Work Participation Rate in Uttar Dinajpur District of West Bengal
Aniruddha Palit Dept of Mathematics	Computation of Limit Cycle Solution of Forced Rayleigh Van der Pol Equation: An Application of Improved Renormization Group Method and Scale Free Analysis
Aniruddha Palit Dept of Mathematics	Chaotic Dynamics of Third Order Wien Bridge Oscillator with Memristor Under External Generalized Sinusoidal Stimulus
Aniruddha Palit Dept of Mathematics	Metric Spaces
Aniruddha Palit Dept of Mathematics	Numerical Analysis
Dr. Romyani Goswami Dept of Physics	Improvement of Performance of Single and Multijunction Silicon Solar Cell Using Low Temperature Surface Passivation Layer and Antireflection Coating
Dr Babita das Dept of Political Science	Freedom of Speech and Expression: a study from a Theoretical Perspective

Ms Priyanka Chhetri Dept of Political Science	Culture of Fear - A Dominant Tool in the 21st Century Politics
Dr Tirthankar Chakraborty Dept of Political Science	Presenting Vexed Politics in the name of 'Culture of Fear': Reading Naxalites as an Alternative Canonisation (Page No. 176-189)
Dr Tirthankar Chakraborty Dept of Political Science	The Corona Virus and the Framework of Indian Federalism: A Study of It's Interactive Consequences (Page No. 113-122)
Ms Priyanka Chhetri Dept of Political Science	Significance of Land Rights for the Tea Garden Workers: A study of Chandmoni Tea Estate

Department of Bengali



ড. সফল বিশ্বাস (১৯৬১) জন্মগ্রহণ করেন ময়ূরভদ্রা জেলার ময়ূরভদ্রা মহকুমার ময়ূরভদ্রা উপজেলার গুয়াপাড়া গ্রামে। পড়াশোনা শেষে উপস্থিত হয়েছিলেন কলকাতা বিশ্ববিদ্যালয়ে। ১৯৮৯ সালে পেশা পরিচালিত হয়ে ময়ূরভদ্রা মহকুমাতে "স্বাস্থ্য পরিচালক" পদে যোগ দেন। ১৯৯৬ সালে গিয়েছিলেন "স্বাস্থ্য পরিচালক" পদে। ১৯৯৯ সালে গিয়েছিলেন "স্বাস্থ্য পরিচালক" পদে। ২০০৩ সালে গিয়েছিলেন "স্বাস্থ্য পরিচালক" পদে। ২০০৬ সালে গিয়েছিলেন "স্বাস্থ্য পরিচালক" পদে। ২০০৯ সালে গিয়েছিলেন "স্বাস্থ্য পরিচালক" পদে। ২০১২ সালে গিয়েছিলেন "স্বাস্থ্য পরিচালক" পদে। ২০১৫ সালে গিয়েছিলেন "স্বাস্থ্য পরিচালক" পদে। ২০১৮ সালে গিয়েছিলেন "স্বাস্থ্য পরিচালক" পদে। ২০২১ সালে গিয়েছিলেন "স্বাস্থ্য পরিচালক" পদে।



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ভারতীয় নন্দনতত্ত্ব ও নন্দনতাত্ত্বিক

ড. সফল বিশ্বাস

"ভারতীয় নন্দনতত্ত্ব ও নন্দনতাত্ত্বিক" গ্রন্থটির লক্ষ্য হল ভারতীয় নন্দনতত্ত্ব ও নন্দনতাত্ত্বিকের একটি বিস্তারিত পরিচয় দেওয়া। গ্রন্থটিতে নন্দনতত্ত্বের ইতিহাস, নন্দনতাত্ত্বিকের ধারণা, নন্দনতত্ত্বের প্রয়োগ, নন্দনতত্ত্বের গুরুত্ব, নন্দনতত্ত্বের উদ্দেশ্য, নন্দনতত্ত্বের ক্ষেত্র, নন্দনতত্ত্বের পদ্ধতি, নন্দনতত্ত্বের ফলাফল, নন্দনতত্ত্বের সমস্যা, নন্দনতত্ত্বের সমাধান, নন্দনতত্ত্বের ভবিষ্যৎ ইত্যাদি বিষয়ে বিস্তারিত আলোচনা করা হয়েছে।


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ড. সুফল বিশ্বাস (১৯৭১)। ১৯৯৮ খ্রিঃ
শস্যের ক্ষেত্রে কলকাতা উচ্চশিক্ষা
সমস্ট্রী লিটারেচার বিভাগের
বর্তমান প্রোগ্রামার। ১৯৯৬ থেকে
স্বদেশীয় ও আন্তর্জাতিক শক্তিশালী
ব্যবসায়িক ও বণিকের বিশেষজ্ঞ।
আমেরিকায় বহু বছর
স্বদেশীয় বণিকের
১৯৯৯ থেকে বর্তমান পর্যন্ত
স্বদেশীয় বণিকের
বিভাগের সচিব এবং
১৯৯৯ থেকে বর্তমান পর্যন্ত
স্বদেশীয় বণিকের
স্বদেশীয় বণিকের
স্বদেশীয় বণিকের
স্বদেশীয় বণিকের
স্বদেশীয় বণিকের

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অলংকার বর্ণিকা • ড. সুফল বিশ্বাস

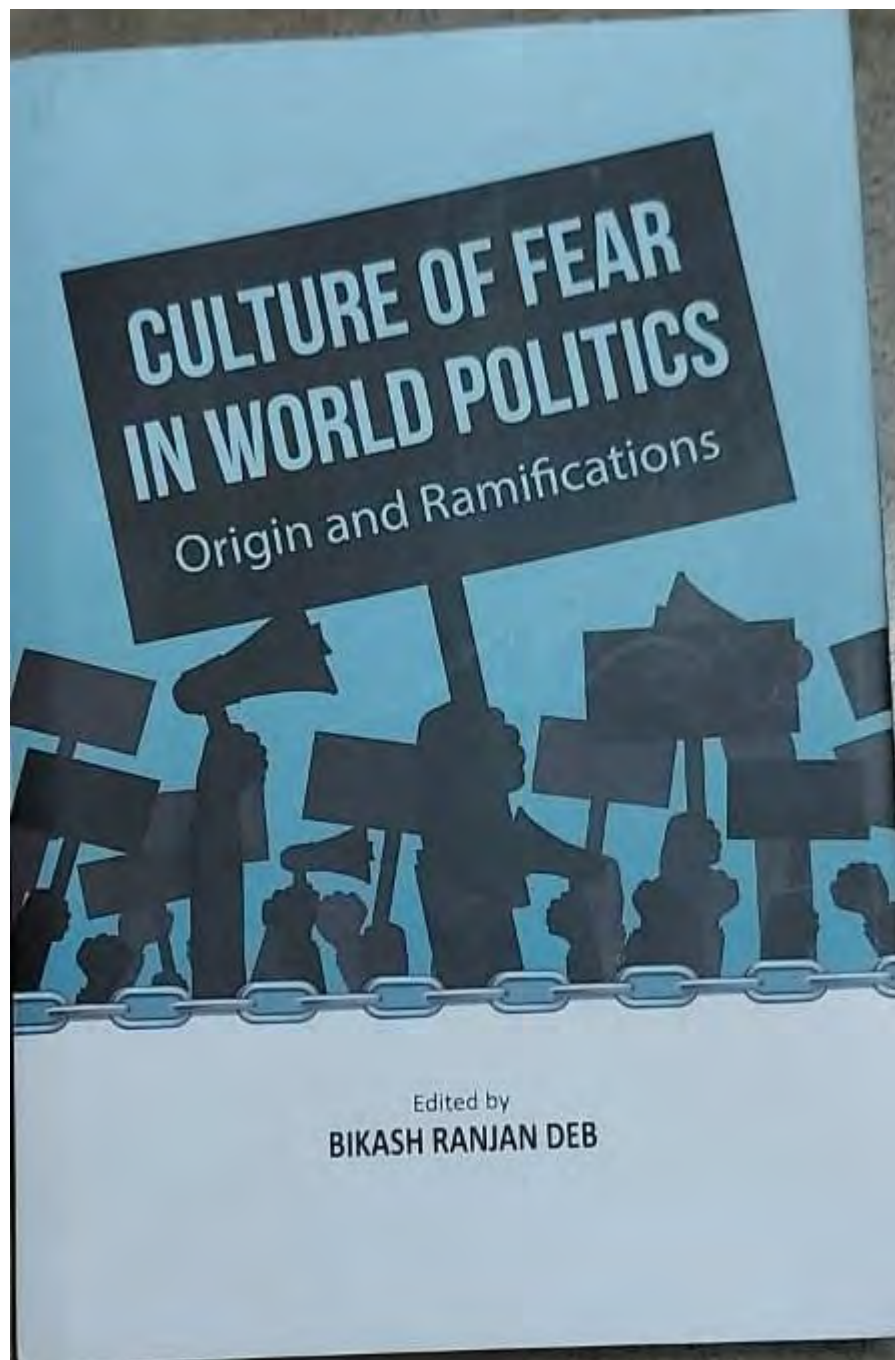
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অলংকার বর্ণিকা

ড. সুফল বিশ্বাস

'অলংকার বর্ণিকা'
স্বদেশীয় বণিকের
স্বদেশীয় বণিকের
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CULTURE OF FEAR IN WORLD POLITICS

Origin and Ramifications

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মহনকালে জেনেটিকসে একাত্তরের মুক্তিযুদ্ধ ও বৌদ্ধধর্ম	117
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by Bikash Ranjan Deb

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দহনকালঃ জেলেজীবনে একাত্তরের যুদ্ধভীতি ও যৌনসন্ত্রাস
রঞ্জিত কুমার বর্মণ

বিশ্বে ভয়ের বাতাবরণের স্বরূপ ও তাসের দেশ
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রুদ্ধ বাকস্বাধীনতা ও লড়াইয়ের পথে দার্শনিক আরজ আলী মাতুব্বর
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রঞ্জিত কুমার বর্মণ

১৯৭১ সালে বাংলাদেশের মুক্তিযুদ্ধ বাংলাদেশের জাতীয় জীবনে একটি গুরুত্বপূর্ণ ঘটনা। এই যুদ্ধকে ঘিরে রয়েছে জাতীয় আবেগ, অনেক দুঃখ-যন্ত্রণা ও আত্মত্যাগের স্মৃতি কথা। রচিত হয়েছে কবিতা, গল্প, নাটক উপন্যাস নির্মিত হয়েছে বহু চলচ্চিত্র। পাক হানাদারদের নির্মম গণহত্যা, নারী নির্যাতন ও গণধর্ষণের চিত্র সাহিত্যে প্রকট হোয়ে উঠেছে। 'বাতাসে লাশের গন্ধ' কবিতার কবি রুদ্র মুহম্মদ শহীদুল্লাহ তুলে ধরেছেন সেই চিত্র-

“তন্দ্রার ভেতরে আমি শুনি ধর্ষিতার করুণ চিৎকার,
নদীতে পানার মতো ভেসে থাকা মানুষের পচা লাশ
মুন্ডহীন বালিকার কুকুরে খাওয়া বিভৎস্য শরীর
ভেসে ওঠে চোখের ভেতরে।”

মুক্তিযুদ্ধকে অবলম্বন করে রচিত নাটকে সরাসরি মুক্তিযুদ্ধ, পাকসেনাদের হাতে নারী ধর্ষণের কাহিনী, বাঙালির অকুতোভয় পথচলা আর বীরত্বগাথা এবং পাক নরপশুদের অমানবিক নিষ্ঠুরতার লোমহর্ষক নানা চিত্র প্রকাশ পেয়েছে। কথাসাহিত্যিক শওকত ওসমানের লেখা উপন্যাস 'নেকড়ে অরণ্য', আনিসুল হক বিরচিত লেখা 'মা', হুমায়ূন আহমেদের '১৯৭১' সেলিনা হোসেনের 'যুদ্ধ', আসাদুজ্জামান আসাদ রচিত 'একাত্তরের গণহত্যা ও নারীনির্যাতন' প্রভৃতি উল্লেখযোগ্য। হরিশংকর জলদাসের লেখা 'দহনকাল' জেলেজীবন কেন্দ্রিক উপন্যাস। জেলেরা ৭১ এর মুক্তিযুদ্ধে জড়াতে না চাইলেও কিভাবে যুদ্ধই তাদের জীবনকে গ্রাস করে তোলে তার মর্মস্পন্দ চিত্র লেখক তুলে ধরেছেন।

'দহনকাল' উপন্যাসটির প্রকাশকাল ২০১০ সাল। উপন্যাসের পটভূমি উত্তর পতেংগা গ্রাম। গ্রামটির পূর্ব ও দক্ষিণদিকে বেড় দিয়ে আছে কর্ণফুলি নদী, পশ্চিমে বঙ্গোপসাগর আর উত্তরদিকে হালিশহর। গ্রামের মাঝখান দিয়ে চলে গেছে একটি প্রশস্ত মেটোপথ। পশ্চিমে বঙ্গোপসাগরের ঢেউ খেলানো বালিয়াড়ির শরীর ছুঁয়ে মেছোপাড়াটি গড়ে উঠেছে। প্রায় দেড় শত বছরের বেশি সময় ধরে জেলেরা এখানে বসবাস করে আসছে। উত্তর পতেংগার তিন দিকে শুধু ধু-ধু মাঠ। নিরবিচ্ছিন্ন একটি গ্রাম উত্তর পতেংগা। এই গ্রাম জেলেদের বাসভূমি। সমুদ্রে মাছ ধরেই তাদের জীবন তাদের জীবন-জীবিকা নির্বাহ করতে হয়। কঠোর সংগ্রাম, বঞ্চনা ও দারিদ্র লাঞ্ছিত জীবনে সঙ্গ নিঃসঙ্গ, জীবন-মৃত্যুর খেলা নিয়েই অতিবাহিত হয় জেলেদের জীবন। নিস্তরঙ্গ জীবন প্রবাহে অভ্যস্ত জেলেদের জীবনে তখন তৈরি হয় অস্থিরতা,

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পথের পাঁচালীকার

বিভূতিভূষণ

সম্পাদনা ড. দীপক সাহা


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বাংলা ছোটগল্প
বিশ্লেষণের গভীরে




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‘বলবান জামাতা’ : হাসির ওই ঝর্ণাতলায়

দীপক সাহা

১৮৭৩-এর ৪ ফেব্রুয়ারি বর্ধমান জেলার ধাত্রীগ্রামে মাতুলালয়ে প্রভাতকুমারের জন্ম হয়। পিতার নাম জয়গোপাল, মাতা কাদম্বিনী দেবী। জয়গোপাল Danapur Railway District-এ Telegraph office Signaller in Charge-এর পদে নিযুক্ত ছিলেন। স্বাভাবিকভাবে বাবা-জামালপুর-দিলদার নগর ইত্যাদি বিভিন্ন স্টেশনে তাঁকে কাজের সুবাদে ঘুরে বেড়াতে হত। ফলে শ্যালিকাপুত্র রাজেন্দ্রলাল বন্দ্যোপাধ্যায়ের ওপর প্রভাতকুমারের শিক্ষার ভার ন্যস্ত হয়। রাজেন্দ্রলাল জামালপুর হাইস্কুলে শিক্ষকতা করতেন। প্রভাতকুমার ওই স্কুল থেকে ১৮৮৮ খ্রিস্টাব্দে এন্ট্রাল পাশ করেন। ১৮৯১ খ্রিস্টাব্দে পাটনা কলেজ থেকে এফ.এ এবং ১৮৯৫ খ্রিস্টাব্দে বি.এ পাশ করেন।

১২৯৯ সালের ২০ অগ্রহায়ণ অনন্দাপ্রসাদ চট্টোপাধ্যায়ের কন্যা ব্রজবালা দেবীর সঙ্গে প্রভাতকুমার বিবাহবন্ধনে আবদ্ধ হন। তবে বেশিদিন তাঁদের দাম্পত্য জীবন স্থায়িত্ব লাভ করেনি; ১৩০৪ সালের ১৫ শ্রাবণ ব্রজবালার অকালপ্রয়াণ ঘটে। রেখে যায় দুটি পুত্রসন্তান। যাদের জন্ম যথাক্রমে ১৩০১ এবং ১৩০৩ সালে।

বি.এ পাশ করবার পর প্রভাতকুমার কিছুদিনের জন্যে জামালপুর হাইস্কুলে শিক্ষক হিসেবে কাজ করেছিলেন। অতঃপর সিমলাতে Commissary General in Chief অফিসে স্বল্পকালের জন্যে অস্থায়ী পদে আসীন ছিলেন। সেখান থেকে ফিরে কলকাতায় Director General of Telegraph-এর অফিসে চাকরি নেন। কিন্তু সেই পদেও বেশিদিন ছিলেন না। তবে “কলিকাতায় থাকাকালে প্রভাতকুমার ‘ভারতী’-র সম্পাদিকা সরলা দেবীর সহিত এতদূর ঘনিষ্ঠ হল যে উভয়ের বিবাহ পর্যন্ত স্থির হইয়া যায়। সরলা দেবীর উপযুক্ত করিয়া তুলিবার জন্য সত্যেন্দ্রনাথ ঠাকুর নিজের খরচে প্রভাতকুমারকে বিলেতে ব্যারিস্টারি পড়াতে পাঠান। প্রভাতকুমার ১৯০১ সালের ৩রা জানুয়ারি বিলেত যান এবং ১৯০৩ সালের ডিসেম্বর মাসে ব্যারিস্টারি পাশ করিয়া ফিরিয়া আসেন। কিন্তু যে জন্য প্রভাতকুমার ব্যারিস্টারি পড়াতে গিয়েছিলেন তাহা সফল হয় নাই।” অর্থাৎ সরলা দেবীর সঙ্গে তাঁর পরিণয় বাস্তবায়িত হয়নি। যাহোক, বিলেত থেকে ফিরে এসে প্রথমে দার্জিলিং এবং পরে রংপুর শহরে প্র্যাকটিস শুরু করেন কিন্তু দু’ক্ষেত্রেই তাঁর প্র্যাকটিস জমে ওঠেনি। কাজেই তাঁকে চলে যেতে হয় গয়াতে। সেখানে তিনি প্রায় আট

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CULTURE OF FEAR IN WORLD POLITICS

Origin and Ramifications



Edited by
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by Bikash Ranjan Deb

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ভয়ের সংস্কৃতি তথা মনসামঙ্গল

দীপক সাহা

ভয় বিষয়টি মানুষের চিরন্তন প্রবৃত্তি। বস্তুত যেখানে বিজ্ঞানসন্মত চেতনার প্রবেশাধিকার নেই, অর্থাৎ বিজ্ঞানের আলোক সম্পর্কে অজানা রহস্যকে মানুষ বিচার বিশ্লেষণ করতে পারে না, মৃত্যুই যেখানে ভয় নামক দুরারোগ্য ব্যাধিটি ক্রিয়া করে থাকে। তাই একদিন দাবানল কিংবা বজ্রাগ্নিকে মানুষ ভয় করেছে। পাহাড় থেকে গড়িয়ে আসা পাথরের চাঁই-এর আঘাতে মানুষ মৃত্যুর কোলে ঢলে পড়েছে। ফলে আগুনকে কিংবা পাথরকে পূজা করতে শুরু করেছে মানুষ। কাজেই বলা যায় ভয়-মৃত্যু-পূজা ইত্যাদি বিষয়গুলো অঙ্গাঙ্গিভাবে জড়িত।

দক্ষিণবঙ্গে প্রতি বছরই বাঘের কবলে পড়ে অসংখ্য মানুষ মারা যায়। সেই থেকে বাঘের ভয় সেখানকার নিত্য দিনের বিষয় রূপে দেখা দিয়েছে এবং ব্যাঘ্রায়ের পূজার প্রচলন ঘটেছে। তেমনিভাবে বলা যায়—বাংলাদেশ জলা জঙ্গলের দেশ, শুধু বাংলাদেশ কেন, বিহার-উড়িশা-আসাম ইত্যাদি অঞ্চলেও জঙ্গলাকীর্ণ ভূভাগ বর্তমান। এসব অঞ্চলে বিষধর সাপের বসবাস। মানুষের পাশে সাপের সহাবস্থানের কারণ হেতু সর্পাঘাতে মানুষের মৃত্যু হয়। বলাবাহুল্য মৃত্যুর কবল থেকে বাঁচার আশায় সাপকে সম্ভ্রষ্ট করার অভিপ্রায়ে সর্পদেবী মনসার কল্পনা এবং মনসা পূজার আবির্ভাব ঘটেছে। মনসা বাংলার লৌকিকদেবী। একাধারে তিনি সর্পদেবী এবং সর্পের বিষহরণকারী দেবী। মর্ত্যে তাঁর পূজা প্রচার, ভক্তের সহায়কারী ও অভক্তের দমন কাহিনী নিয়ে মনসামঙ্গল কাব্য রচিত হয়েছে। ধর্মের নির্দেশে শিব প্রতিদিন কালীদহে ফুল তুলতে যান। শিবপত্নী চণ্ডীর তাতে সন্দেহ জাগে। তিনিও কালীদহে যাবেন। শিব তাকে সাপের ভয় দেখালেন। অতঃপর শিবের অনুপস্থিতিতে চণ্ডী ডোমনীর বেশ ধারণ করলেন এবং জোকা নদীর ঘাটে নৌকা নিয়ে দাঁড়িয়ে রইলেন। শিব ডোমনীর রূপে দুর্বল হয়ে পড়লেন। ডোমনী তাকে গঞ্জনা দিলেও রতি দান করলেন। তবে সেক্ষেত্রে শিবকে তিনি গঞ্জনা দিলেন। শিবও প্রতিশোধ নিতে তৎপর। তাই বাড়িতে এসে হুঁদুরের বেশে চণ্ডীর চোঁচুলি কেটে দিলেন। এবার তিনি কুশলী ডাকতে থাকলেন। শিব কুশলী সেজে চণ্ডীর বিপদ থেকে রক্ষা করলেন। শর্ত রাখলেন শিবকে রতি দান করতে হবে। আর এভাবেই শিব চণ্ডীর ডোমনী-গিরির বদলা নিলেন।

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Department of Chemistry

DE GRUYTER

MAGNETIC NANOCATALYSIS

SYNTHETIC APPLICATIONS

Edited by Rajender S. Varma and Bubun Banerjee



DR. P.K. MISHRA
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Bablee Mandal, Basudeb Basu*

Chapter 2

Magnetic nanocatalysts in disulfide synthesis

2.1 Introduction

S–S bond containing organic compounds, commonly known as disulfides (or disulfanes), revealed their importance over the years to chemists as well as biologists. Their versatile applications in biochemistry, polymer industry, fine chemical industry, in fields like peptidomimetics, self-assembled monolayers, etc. have encouraged researchers of both chemical and biological backgrounds to explore and establish novel techniques of disulfide synthesis [1–3]. Hence, the organyl disulfides (bearing S–S bonds) are extremely important in diverse fields, and a few of them are mentioned hereunder, to highlight their more specific importance and function.

2.1.1 Disulfides in biomolecules

Proteins and various other bioactive natural molecules contain large disulfide-linked aggregates [4]. Disulfides play a crucial role in thiol-containing protein folding – an imperative phenomenon that gives the three dimensional structure to a protein molecule and makes it biologically functional [5, 6]. The oxidation of thiol groups of two cysteine units results in the covalent disulfide linkage in the protein. The disulfide bonds are reactive and easily reversible by thiol–disulfide exchange reactions. *In vitro* formation of disulfide bond occurs spontaneously in the presence of any appropriate electron acceptor (e.g., oxygen) but the *in vivo* process has to be catalyzed [7]. Although disulfide bond formation in proteins is mainly catalyzed by disulfide isomerase a1 (PDIA1) [8], ensuing studies have identified a variety of other enzymes which act as efficient catalysts [9–12]. Although some little information have been gathered about of how enzymes form, break, and shuffle disulfide bonds, there are, nevertheless, many unanswered questions, providing wide scope for intense exploration.

The disulfide bonds cause oxidative refolding of a protein, which uniquely determines the protein sequencing and, hence, its quaternary structure. As demonstrated



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Department of Commerce

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DARJEELING DISTRICT AN IDEAL DESTINATION FOR START-UP ENTERPRISE AN EMPIRICAL ANALYSIS



REEMA DOMA SHERPA

Assistant Professor

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Surya Sen Mahavidyalaya Siliguri, (West Bengal), India.

❖ ABSTRACT:

Entrepreneurship plays a vital role in the economic development of any nation. The Indian Government announced the Start-up Business Scheme on January 16, 2016, in order to inspire young people across the country towards entrepreneurship. The goal of start-up programmes is to strongly encourage young people to engage in entrepreneurship in attempt to improve their future. It results in the creation of jobs, a contribution to the national income, the development of rural areas, industrialization, technological advancement, export promotion, etc. The empirical data will highlight the perceptions of young college students regarding start-up plans from one of the leading institution in the Darjeeling District of West Bengal. Along with the states of Sikkim, Bihar, and Assam, the Darjeeling district shares three international borders with Bangladesh, Bhutan, and Nepal. Siliguri, Darjeeling district shares three international borders with Bangladesh, Bhutan, and Nepal. Siliguri, the second-largest commercial hub in West Bengal, is located in Darjeeling District. A few of the well-known ones to mention are new businesses in the tourism, horticulture, IT, organic food and education etc. can be launched. It has rail, road, and aviation connections to the rest of India. The availability of cheap labour and land is the key attraction that makes the Darjeeling district suitable for startup companies. The author's self-prepared Student Opinion Questionnaire (SOQ) was used for data collection. The total respondents were 52 with seven parameters like Socio- demography, Financial support, Govt. policies & legal infrastructures, Suitable Govt. Facilities, Commercial & market demand, Cultural & Social Norms & Supporting Factors for start-ups. The analysis found that self-financing was their first preference for financial support. From the parameter of Suitable Govt. Facilities of variable "Most suitable govt. schemes for start-up was chosen as PM mudra yojana upto Rs. 10 lakhs. Opportunity motivated startups with 67.3% was opted as against Necessity based startups with 32.7%.

Keywords: Start-ups, Entrepreneurship, Darjeeling.

❖ INTRODUCTION:

Startup Company is an entrepreneurial enterprise or a new firm that is a temporary organisation created to look for a repeatable and business model. These businesses, which are typically recent creations, use innovative development, validation, and growth-targeting research techniques. The term "startup" has become widely used recently. However, while it is frequently believed that startups are only technology-based businesses, this is not necessarily the case. Instead, the essence of startups is typically linked to the notions of ambition, innovation, flexibility, and growth. (Baum & Silverman:2004, Bocken et al., 2014, Chang:2004). There are several distinctive funding alternatives available to startups. Startup enterprises may receive financial assistance from venture capital firms and angel investors in exchange for an equity ownership. But in reality, a lot of firms are originally financed by the founders themselves. Another choice is factoring, however it's not just for startups. Crowd funding in its

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Education Serves as a Motivator for Rural Women's Empowerment

Reema Doma Sherpa*

Abstract

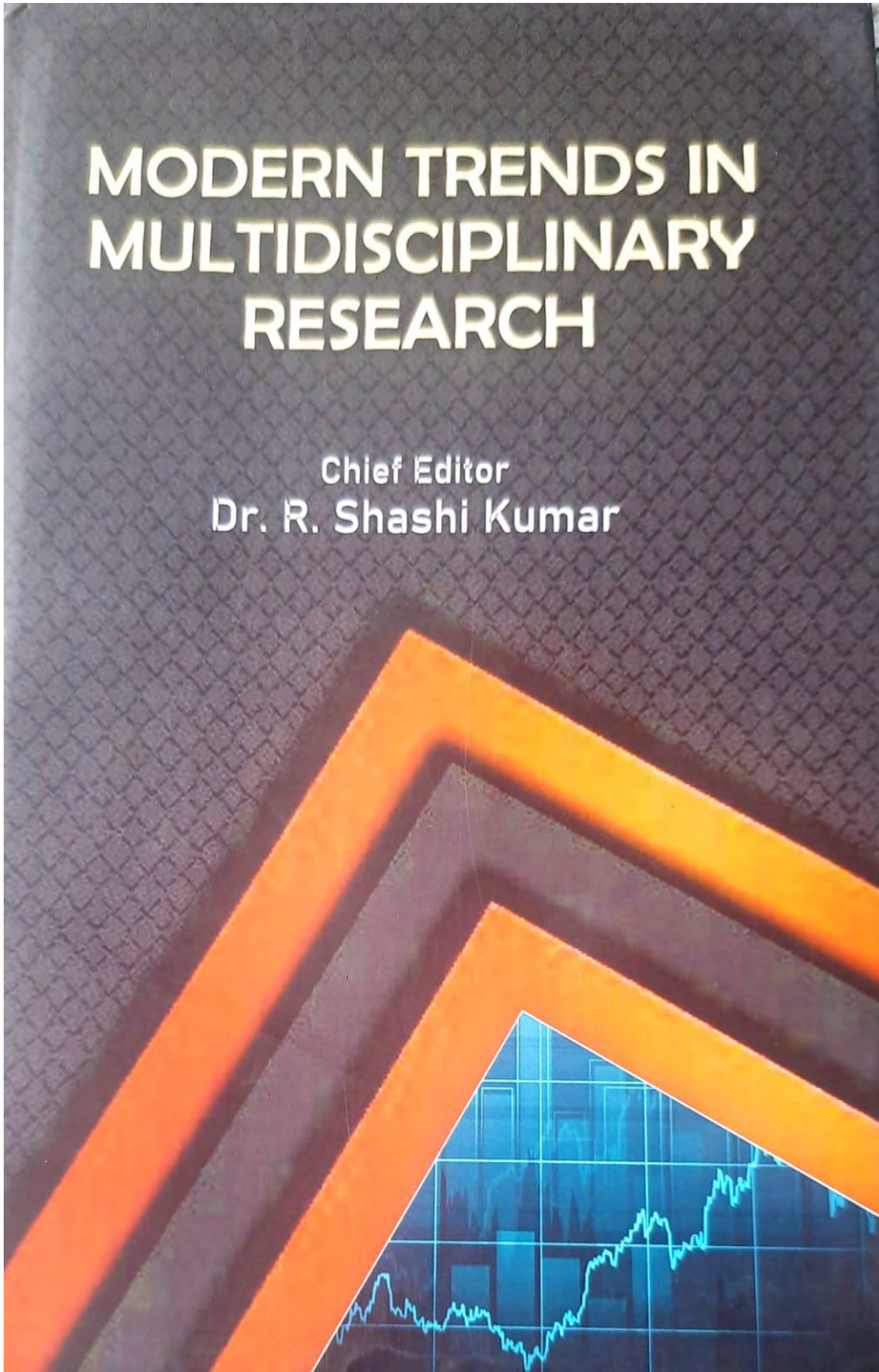
Education is the backbone of women's empowerment. It not only enables them to respond to challenges but also to make decisions about their life. Women's education in India plays a very important role in the overall development of a country. It not only helps in the development of the human resources but in improving the quality of life at home and outside. Education not only tends to promote the girl children but also can provide better guidance to all the children. Rural women are key agents for achieving the transformation of economic, environmental, and social changes required for sustainable development. All these can be achieved if they are educated. But the growth of women education in the rural area is very slow this means that still larger number of women of a country is illiterate, weak, backward and exploited. Limited access to credit health care and education are among the many challenges they face. Empowering them is a key not only to the well-being of individual's families and rural communities but also to overall economic productivity & social economic

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MODERN TRENDS IN MULTIDISCIPLINARY RESEARCH

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Students Preference for blended learning Post Covid-19

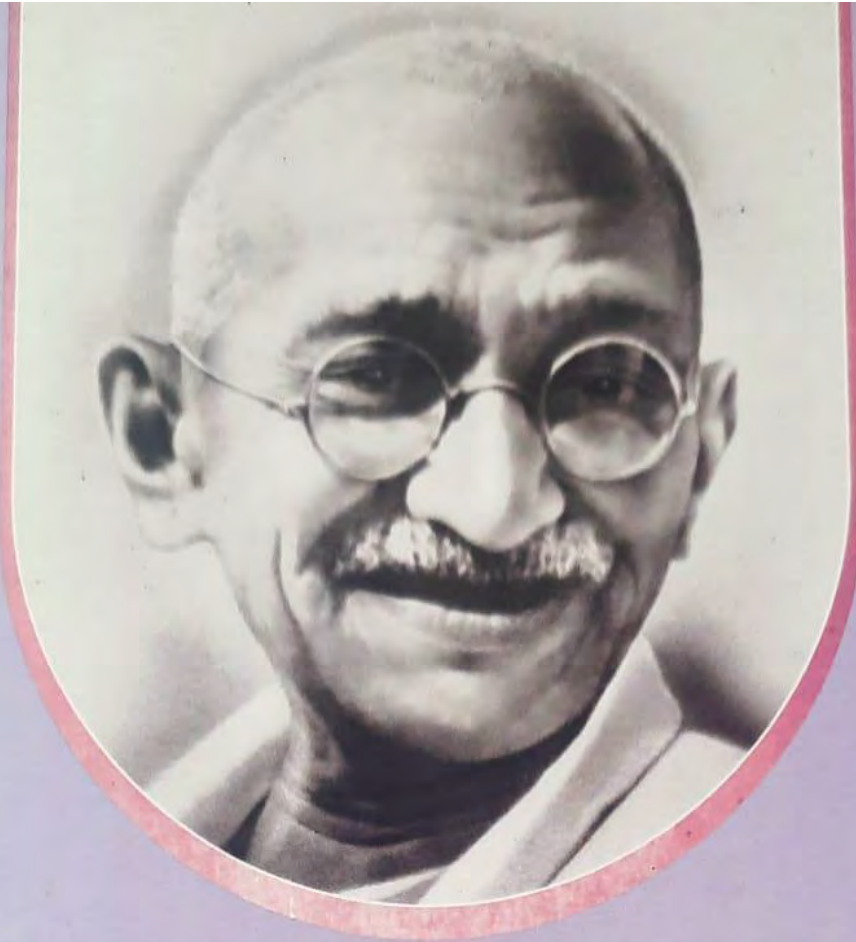
Reema Doma Sherpa*

Abstract:

Blended learning already existed before the pandemic. Most prestigious institutions used it. After the pandemic spread over the entire world, online learning became a requirement for all students, and sooner or later, online learning was accepted. Returning to traditional or classroom learning was challenging after almost two years of online study. Post-pandemic blended learning therefore gained popularity that is the mixture of classroom and online learning. This chapter will highlight five dimensions that students use to determine their preferred blended learning environment post-pandemic. The analysis is conducted on a sample of 90 students from a prestigious institution in north Bengal of West Bengal state comprising of 37 male and 53 female students in the third and fifth semesters of the Arts and Commerce stream. The five dimensions that will be highlighted in this chapter making blended learning as the preferred mode after post pandemic are Flexibility of Study materials, Confident to interact, promote understanding of deeper knowledge, Evaluation and assessment and future oriented and updated knowledge. According to the analysis's findings, 54.4% of respondents preferred blended learning above classroom teaching (25.6%) and online learning (20%).

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GANDHIAN THOUGHTS

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**Comparison of Gandhi's Thoughts of Women's
Empowerment with Today's India**

Reema Doma Sherpa

Assistant Professor Surya Sen College Siliguri, West-Bengal

Abstract:

In contrast to western societies, India had started the concept and process of empowering women subsequently later. The traditional Indian society was patriarchal in character, so the women's dependency on men is the major obstacle in women empowerment. Thus, women were viewed as a weaker section of society. The "Father of the Nation," Mahatma Gandhi, was a strong supporter of women's equality in India. In his view, empowering women also means empowering the nation. In this article, an effort is made to understand Mahatma Gandhi's viewpoints on women and forecast the applicability of his philosophy in modern India. The first section will look at Gandhi's views on issues that have reduced their sense of empowerment with issues such as child marriages, rape, domestic abuse, sex-selective abortion, honour killing, human trafficking, sexual harassment, and dowry. These problems still exist in India today. The government's numerous legislative initiatives designed to save and protect women from crime and offences in modern India will be outlined in the next part in order to determine how far Gandhi's perspective on women's empowerment has been implemented in India today. Not only must women be educated to ensure that they can fulfill their rights, but men also need to be taught that women are not a weaker gender but rather a member of an equal gender.

Keywords: Women, Empowerment, gender, equality

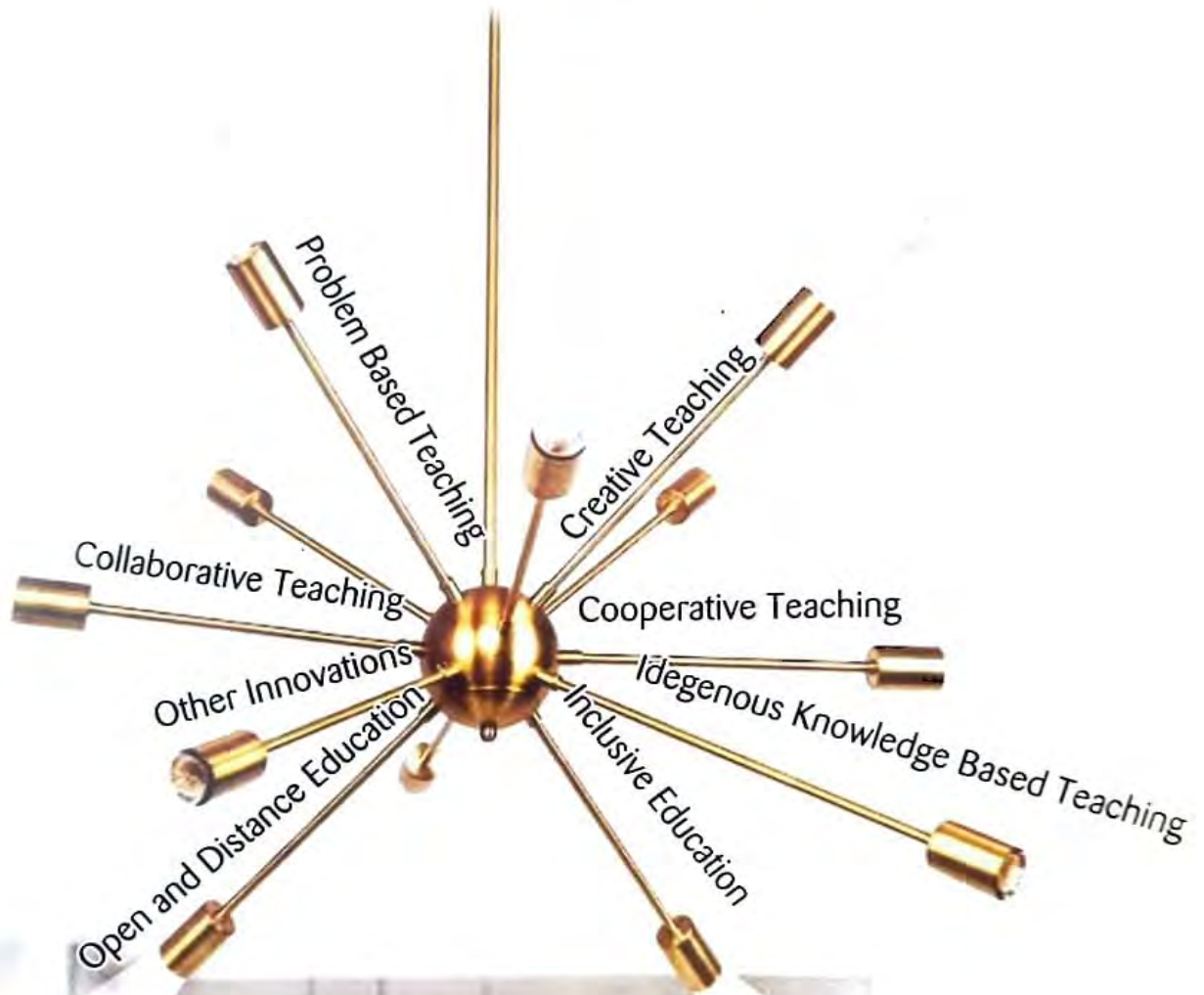
Introduction:

Women's empowerment (or female empowerment) may be defined in several ways, including accepting women's viewpoints or making an effort to seek them, and raising the status of women through education, awareness, literacy, and training. (Kabeer 2005). Women empowerment helps in boosting the status of women through literacy, education, training, and awareness creation. (Lopez 2013). Furthermore, women's empowerment refers to women's ability to make strategic life choices that had been previously denied them. Compared to western nations, India began the concept and process of women's empowerment a little late. The



Department of Education

Dimensions of Innovation and Integration in Teaching



Edited by
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INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) IN THE DISTANCE EDUCATION SYSTEM

Payel Dey Sen

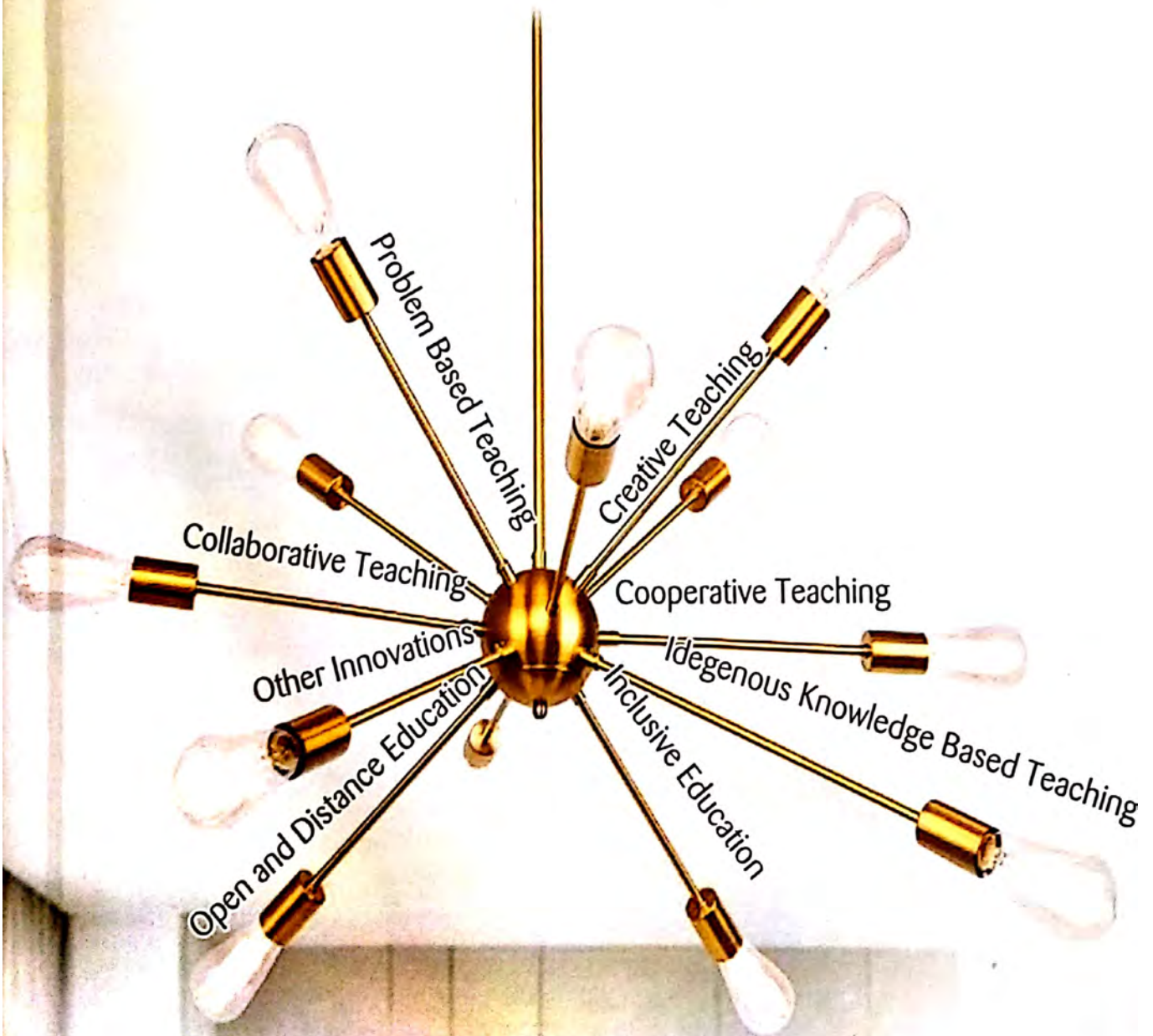
Abstract

The education system is highly vibrant in nature. Formerly open and distance learning programs depend on mostly on the print media, i.e. mailing of print educational materials, radio and television broadcast, telephonic support, EDUSAT-educational satellite. With the evolution of new trends in technology like Massive Open Online Courses (MOOCs), real-time and recorded seminars, real-time video classes, there are various types of effective distance learning systems that provide rapid responses and real time feedback breaking the geographic barriers of communication. Decrease in bandwidth costs and the use of the smartphone has enabled widespread use of internet possible. These have helped people in gaining expertise in multidisciplinary fields and improve their skills easily. Distance education is offered under formal as well non formal educational frameworks and is gaining popularity with the ease of access using mobile technology. It can be used either to supplement or complement traditional classroom teaching learning process. Distance education indicates the physical separation of the teacher and the learner. Distance education is not new to Indians. From the period of "Gurukul System" the story of Dronacharya and Eklavya in Mahabharat to "Kulguru System" the distance education also travelled with us. In this paper, we discuss the integration of ICT in the distance mode of learning.

Key words: *Distance Education System, MOOCs, real time access, ICT.*


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TOPIC INCLUSIVE EDUCATION FOR SPECIAL CHILDREN WITH SOME BARRIERS

Piu Roy

SACT II

“We Can’t all be an Einstein or Hawking but with a little help we’ll do our own talking”.....

Abstract

Inclusive Education brings all students together in one umbrella and community, regardless of their strengths weakness in any area and seeks to maximize the potential of all students. In modern era Inclusive Education plays a vital role in educating children with special need. These children are often left out of schools due to negative attitude still there are many barriers in this inclusive education. There is a need to overcome these barriers by facilitating education to all children through inclusive education with positive attitude. All of us parents, teachers, society should help them in overcoming these barriers.

Keywords: *Inclusive Education, Barriers, Mission statements.*

Introduction

The modern era inclusive settings educating all types of children whether exceptional or normal together in same classes of the mainstream schools ,represents the modern era and latest development in the history of special/ disability education. Every child with special needs has the right to receive his education in school. but very often it is found that although inclusive schools maintain a certain philosophy which is a mission statement , such mission statement in most schools is formulated by the Headmasters & teachers. All


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Ragged



Soaked Words of Crosswalks



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SHUBHAMOY SARKAR

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Ragged Clouds

A collection of Social Economical Short Stories Translated from Bengali
written by Shubhamoy Sarkar

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A handwritten signature in blue ink, appearing to read 'P.K. Mishra'.

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FORWARD

The Literary world of Bengal knows him over the last three decades as a poet, a columnist, as an article writer, but most importantly as the chief editor of the popular literary magazine “Mallar” and as a short story writer. Shubhamoy Sarkar’s anthology of short stories “Ragged Clouds” is his first collection of stories in English translation. Ten favourites chosen by the author that have been transcreated by five different translators unfold the inner world of the complex urban life which is the compelling focus of this anthology. While the stories delve into the characters in love, in relationship, in loneliness, in rejection, in acceptance, in apathy, moments of epiphany are captured brilliantly through narration in direct and plain language. The 21st century looks like an unending string of disasters. It is the prerogative of the writer to focus on the nature of people with sympathy and sincerity for human condition, at the same time with a positive outlook on the potential of life. Characters like Suman, Nimai, Badal, Devi, Jhimli or Nilanjan, the generation that is born into a fractured time, shows the readers right away how far one could be from the romantic world of wishful endings. Shubhamoy is not the writer who lives on his own in the wilderness. He belongs to a literary genre set in city landscape defined by socio-economic realities and culture of its characters as the urban setting. Rather than being a simple backdrop against which the stories unfold, every location and setting



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has the potential to become a conduit for conveying emotion and providing scopes for deep point of view by revealing significant backstories. Thus making the readers care and feel like they are part of the tales which seems to be the number one goal of the storyteller. Stories just like ragged clouds break off with strong winds of words, with irregular patterns they change constantly, often forming and dissipating, like a game of gain and loss, hope and despair, leaving the readers in clearing conditions with the only breeze with a forward speed...moist, warm and humid tales unfurl from the crosswalks of life.

A good short story is hard to beat, but harder to write. These glittering yet subversive stories written by Shubhamoy are ripe to seduce a new generation of readers.

31 January 2022
Siliguri

Prof. Sutapa Saha



DR. P.K. MISHRA
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CULTURE OF FEAR IN WORLD POLITICS

Origin and Ramifications



Edited by
BIKASH RANJAN DEB


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The present volume has been prepared on the basis of the deliberations made at the Two-Day International Webinar on *Culture of Fear in World Politics: Origin and Ramifications* organised by the Department of Political Science, Surya Sen Mahavidyalaya, on February 23-24, 2021. The International Webinar was sponsored by the ICSSR-Eastern Regional Centre (ERC). The term 'Culture of Fear' denotes a social milieu where fear, terror and use of force take the authority of the rulers beyond the purview of democratic challenge. The mutual relationship among the classes, groups or individuals are based on the possibility of application of force or threat of use of force in case of disagreement. Racial, communitarian, class or gender relationships are determined by the direct or indirect presence of fear or terror. Not only the actual occurrence of terror but the frightening atmosphere of threat and insecurity can also lead to fear psyche. When such a situation engulfs the minds of the most and eventually circumscribes the role of an individual in the society, it can be stated that the culture of fear has become the dominant aspect of that society. The culture of fear manifests itself in both public & political life, in art & literature, in scientific discourses— everywhere. The ubiquity of this culture requires an in-depth analysis by the academic community of its origin and widespread dissemination. At the invitation of the Department of Political Science, Surya Sen Mahavidyalaya, a good number of academics across the timeline joined this Webinar from USA, UK, Bangladesh and India. All together twenty-two thought provoking essays have been presented in this compilation which, it is expected, would be able to give a comprehensive view of the phenomenon of culture of fear.

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
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The Mechanism of Suppression in Orwell's 'Nineteen Eighty-Four'

Puja Mahajan

"Democracy no longer means what it was meant to. It has been taken back into the workshop. Each of its institutions has been hollowed out, and it has been returned to us as a vehicle for the free market, of the corporations, for the corporations, by the corporations."

- Arundhati Roy

George Orwell is considered one of the most eminent and profound political thinkers of the twentieth century. Orwell was living at a time when the world was increasingly growing mechanical and industrial. After participating in the Spanish Civil War and experiencing the sour truths of other revolutions of his time, Orwell gradually becomes disillusioned with global politics. He deliberately disagreed with the orthodox liberal socialism of his time and wanted to expose the underlying mechanism of the same through his literary outputs. He realises that in the name of giving birth to liberal values, it was actually the smoke of totalitarian domination that was about to engulf the entire world with its systematic instruments of power. What follows next is the emergence of a culture which normalises the sovereignty of such authoritarian regimes by a number of repressive tools. George Orwell's groundbreaking novel 'Nineteen Eighty-Four' seems to pave the way for a new domain of study - *the culture of fear*. Written largely during the period of 1947-1948, this political satire pays minute attention to how a totalitarian state operates and how it governs its inmates by employing strict modes of surveillance, the resonance of which can be heard quite clearly even in the twenty-first century.

The world of 1984 is divided into three domains- Oceania, Eurasia and Eastasia- who are constantly at war with each other. Winston Smith, the protagonist of the novel, lives in the main city of Airstrip which comes under the province of Oceania. Winston works at the Ministry of Truth where he is assigned the task of adjusting financial records and weather forecasts. He despises everything about his work yet doesn't know how to discard it. The world of Oceania claims to function on the ideals of democratic socialism where every detail of each citizen is carefully monitored through

Department of Geography

WOMEN EMPOWERMENT AND EDUCATIONAL DEVELOPMENT



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Edited by
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Dr. Pratima Chamling Rai



Women Empowerment and Educational Development

Edited by:

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REGIONAL DISPARITIES IN ECONOMIC DEVELOPMENT

Policies and Prospects for Balanced Development

Dr. Tapan Kumar Ghosh
Dr. Satyen Sarkar



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3

Computation of Limit Cycle Solution of Forced Rayleigh Van der Pol Equation: An Application of Improved Renormalization Group Method and Scale Free Analysis

Aniruddha Palit

Abstract

In this article we find analytic approximation of the limit cycle solution of a periodically forced Rayleigh Van der Pol equation using classical Renormalization Group method. The idea of Dynamic Time Scale is presented to model the complicated behaviour of the dynamic structure of the solution of nonlinear differential equations. An improved Renormalization Group method is used to achieve further improvement in the order of approximation of the limit cycle solution.

Keywords: *Asymptotic Analysis, Nonlinear Ordinary Differential Equation, Renormalization Group*

Mathematics Subject Classification: 34E10, 34A34



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1. Introduction

The study of the nonlinear differential equations has always been a challenging task for the scholars and scientists. Computation of analytic solution of such differential equations is not possible because of the main reason that most of them are not perfect. So, many of these equations are solved numerically rather than computing their analytical form. Unlike linear differential equations, the

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Chaotic Dynamics of Third Order Wien Bridge Oscillator with Memristor Under External Generalized Sinusoidal Stimulus



Aniruddha Palit 

Abstract The qualitative behaviour of the signals generated by a third order Wien bridge oscillator with memristor under external generalized sinusoidal stimulus is studied. The bifurcation of the nature of the solution for different range of the parameters of the system reveal that the external stimulus generates an added layer of security which can be used to build a secure communication channel using the synchronization of chaos. Some specific regimes of the parameters of the external stimulus are identified over which such secure channel can be established. The 0-1 test of chaos has been employed to verify the chaotic nature of the output signal.

Keywords Wien bridge oscillator · Memristor · Bifurcation · Chaos

1 Introduction

The study of dynamical behaviour of the signals in the circuit theory has always been a topic of interest because of the complex dynamics and noise arising in the output and the analysis of their characteristic properties is a matter of great importance in the transmission of signals to make a consistent communication system. In the year 1971 Leon Chua [4] first observed that four fundamental variables, namely charge (q), current (i), flux (ϕ) and voltage (v) arise in mathematical formulation of a circuit. Determination of these four variables require four relations involving them out of which three relations can be generated by the axioms of classical two terminal circuit elements, namely inductor (relation involving i and ϕ), resistor (relation involving i and v) and capacitor (relation involving v and q). However, one relation between ϕ and q remains undefined. Chua postulated this missing element, named as memristor which was realized recently [20] by Stan Williams group of HP Labs in 2008. The character of memristor is nonlinear and unique in the sense that no combination of nonlinear resistive, capacitive and inductive components can duplicate its excellent

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1027

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This book gives a systematic introduction of a course in Metric Spaces. An elementary book on the topic was always required which would be written in an easy language but fulfill the gap between the idea of school level and higher mathematics. The book has been written using the teaching experience of the author in under graduate level for more than a decade.

Key Features:

- The elementary concept of open ball and open sets are used to develop all the idea in this book
- Geometric interpretations with illustrative pictures are provided in many problems
- Numerous problems in meaningful context are discussed
- Prepares a background for the study of Topology, Measure Theory and Functional Analysis
- Lots of concrete examples of spaces and maps are provided



Aniruddha Palit

Metric Spaces

An Introduction



I am teaching in an under graduate college for more than a decade and this book is motivated by the repeated demand of the students on the topic. I believe that the book will definitely ignite the elementary knowledge on the topic among the students.



Aniruddha Palit



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This book gives a systematic introduction to a course in Numerical Analysis. An elementary book on the topic was always required which would be written in an easy language but fulfill the gap between the idea of symbolic and computational mathematics. The book has been written using the teaching experience of the author at the undergraduate level for more than a decade.

Key Features:

- The elementary concept of numerical computation and errors are used to develop all the ideas in this book
- Geometric interpretations with illustrative pictures are provided in many computational schemes
- Various computational techniques have been carefully deduced without loss of mathematical rigor.
- Prepares a background for the study of the advanced topic like the numerical solution of ordinary and partial differential equations.



Aniruddha Palit

Numerical Analysis

An Introduction



Thank you for your interest in this book. I am teaching in an undergraduate college for more than a decade and this book is motivated by the repeated demand of the students on the topic. I believe that the book will definitely ignite elementary knowledge on the topic among the students.

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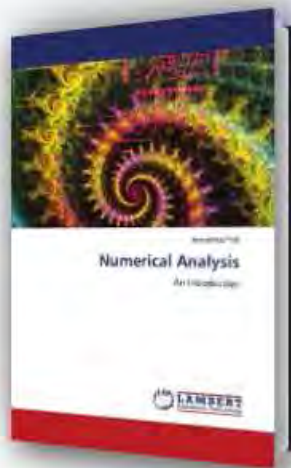
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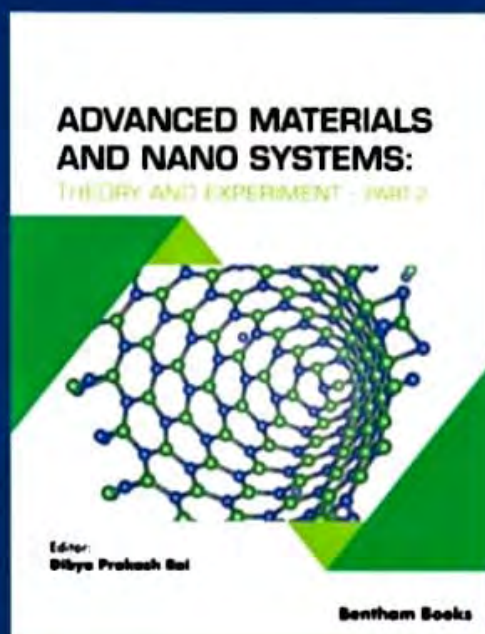
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Department of Political Science

CULTURE OF FEAR IN WORLD POLITICS

Origin and Ramifications



DR. P.K. MISHRA
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Siliguri - 734004

Edited by
BIKASH RANJAN DEB

Papers presented at the ICSSR-ERC Sponsored Two-day International Webinar on Culture of Fear in World Politics: Origin and Ramifications held on February 23-24, 2021.

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by Bikash Ranjan Deb

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Presenting Vexed Politics in the Name of 'Culture of Fear': Reading Naxalites as an Alternative Canonisation

Tirthankar Chakraborty

The Canvas

The Naxalite Movement in India has experienced a fascinating journey encountering numerous organizational upheavals and conflicts of thoughts and ideas. Before addressing the issue, it is important to remember that since the issue of Naxalism itself is not built in any monolithic entity, any observation and generalisation actually is impossible within a specific belief system and more or less is academically unethical. While allowing this 'alternative canonisation' we realize that the sounds of the words denote different meanings in different contexts and for different people. Whereas gleaning something, we cannot move without any kind of valuation of it, even if strictly contextual, contingent or dissonant. Then, naturally we look for 'strategic essentialism'¹ in the other words we build up some kind of provincial meaning of the subject. Obviously, following post-structuralists like Jacques Derrida, we cannot think of one an authentic perception of any word and also suppose that any absolute definition is an essentially challenging in its very nature. Therefore, it is firmly necessary to clear the sense in which the metaphoric narration used in this paper.

In this narration, we take a capacious view of movement politics, accepting movements as a collective action within a given society to effect change.² Yet this kind of conceptualisation more or less includes activism that may prioritize a protest agendas or by a deep commitment to social

-
- 1 Stephen, A. R and Richard D. Wolf, 'Knowledge and Class: A Marxian Critique of Political Economy', Chicago: University of Chicago Press, (1987).
 - 2 This is in generally broad acceptance with Nandita Gandhi and Nandita Shah, relying on M. S. A. Rao, who in fact define movements 'as a sustained effort made through collective mobilization, to bring about change based on a pre-determined or emerging ideology'. For in depth study please see, Gandhi, N and N. Shah, 'The Issues at State: Theory and Practice in the Contemporary Women's Movement in India', New Delhi: Kali for Women, (1993).

Freedom of Speech and Expression: a Study from a Theoretical Perspective

Babita Das

Abstract: *Freedom of speech and expression is the concept of being able to express oneself without fear whether through words of mouth, literature, art, social media or any other medium of communication. Often it is regarded as an integral concept of liberal democracy. India is a liberal democratic country, in fact largest democracy of the world. Art. 19(a) of the Indian Constitution dictates the freedom of speech and expression of the Indian citizens. To ensure this, there are some liberal political traditions, existence of constitutionalism, independent judiciary and other human rights institutions. On the other hand, there are some negative factors affecting the judicial decisions, freedom of expression by the political elites who have been dominating the individual liberty. Recently we have witnessed the seizing of the freedom of speech by the politicians that have resulted into violence among the public. The purpose of the paper is to highlight how the political elites are restraining the individual's right to expression.*

Key words: *freedom of expression, liberal democracy, political elites*

What is FREEDOM of SPEECH

Freedom of expression is one of the main aspects of human rights. It is the root of humanity and the mother of truth. Violation of freedom of speech means oppression of human rights to throttle humanity and to put down truth. The roots of free speech can be traced from ancient period. According to Aristotle, "humans have power of speech as it is the fundamental ingredients of the polis (city-state) and through their speeches they are able to construct how to live together, as it is speech itself that publish the advantages and the disadvantages and hence also the just and unjust." (Abbate. (2016) p.54)

Free speech is a democratic practice which was pioneered by the ancient Greece. The Greek word "parrhesia" means "free speech" or "to speak candidly". The term was first seen in the literature of Greek around the end of the 5th century B.C. (History.com Editors, May.2019)



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Culture of Fear – a Dominant Tool in the 21st Century Politics

Priyanka Chhetri

Many scholars have opined that economic crisis plays a prominent role in reshaping the political systems. Apart, from the obvious economic change, such economic crisis also brings about social and political change which cannot be escaped by any government. After the economic crisis of 2007-2008 many scholars are of the view that there has been a rise in the conservative forces around the world. Post the economic crisis of 2007-2008 these conservative parties have come to the forefront with the intentions of saving the economy and have brought with it rampant culture of fear. This culture of fear is curbing the freedom of thought and expression. The conservative parties have used this culture of fear to remain in power or impose their ideas on the people.


Aristotle stated 'He would be sort of madman or insensible person, if he feared nothing, neither earthquakes nor waves'. Fear which is a dominant emotion in the human race has pushed us towards many inventions thus making our lives better in many aspects. However, if we go back in history and analyse, we see that to spread fear or utilise it as a tool has been a part of the political systems since the very beginning. Fear has been used as a tool since the beginning of time for intimidation of subordinates or enemies, for instance one tribal community instilled fear over other tribal community. In slave society the masters have used fear to rule over the slaves, in feudal society the feudal lords have instilled fear in the people in the capitalist era as well fear is one dominant factor that is used as a tool to remain in power or over throw the existing reign. The very fact that Galileo was jailed for having a different opinion or Socrates forced to have poison, or Rousseau and Marx being targeted and forced to leave their home and country are examples of how the culture of fear existed and was rather rampant.

With the advent of modernism and modern politics, it is evident that fear is used as a state machinery. Humans are constantly being fed with the diet of fear – fear of terrorism, fear of illegal immigrants, fear of extremists, fear of government, fear of society and the list is endless. 'The strategy is simple yet effective: the best way to control a populace is through fear and discord.' (Whitehead, 2015)

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The Silent Crisis over Social Security in the Pandemic Era




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Papia Deb

THE SILENT CRISIS OVER SOCIAL SECURITY IN THE PANDEMIC ERA

Edited by
DR. PAPIA DEB

Foreword by
PROF. RANJITA CHAKRABORTY
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THE CORONA VIRUS AND
THE FRAMEWORK OF INDIAN
FEDERALISM:
A Study of Its Interactive
consequences

TABESUM BEGAM AND TIRTHANKAR CHAKRABORTY

I

Noted scholar on federalism, Daniel Elazar, has observed that federal principles and arrangements have become so widespread because they suit the modern temper, and federalism is designed to achieve some degree of political integration based on a combination of self-rule and shared-rule (Elazar, 1987). If we see our globe in political terms, we find more than 20 countries have a federal system, while others have certain federal arrangements.

Federalism in its basic sense means the sharing of constituent and political power, that is, the power to govern at two levels but there may be local governments also within a state. Every federal system requires division of powers between the Union and State Governments and both are independent in their own sphere and not subordinate to one another. To avoid the chaos and conflict between the two competing jurisdictions, the power has been divided between the centre and the States and division of power is one of the most important features of the federal constitutions (Basu, 2019).



Rural and Urban Development in India: Issues and Challenges

Edited by:

Dr. Neelee K.C. Lepcha



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Significance of Land Rights for the Tea Garden Workers: A Study of Chandmoni Tea Estate

Priyanka Chhetri

Introduction

Tea is one of the most sought-after drinks in India. According to Tea Board Reports, India consumed 89.24 percent of its tea production during the fiscal year 2020-2021 (Sundar. P.S, 2021). However, there is little to absolutely no concern for the tea garden workers. The tea garden workers live in deplorable conditions - meager wage, no proper health and sanitation, no land rights and have lived on in this condition for centuries. The workers receive eviction notices to vacate the land that they have toiled and lived on for generations. One case which highlights the tea garden workers' vulnerability and helplessness is that of Chandmoni Tea Estate.

Chandmoni Tea Estate was established in 1922 approximately 4 kilometers from Siliguri Town. In 1997 the government of West Bengal and Dipankar Chatterjee (owner of the garden) reached an understanding to transform the garden into satellite township. False promises were made that the tea garden workers will be absorbed in the township project. Gradually the tea garden transformed into the township 'Uttaryan' and the cost of urbanisation was paid by the tea garden workers. The workers got displaced from