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Outlook Competition Science Vision *Competition Science Vision (monthly magazine) is published by Pratiyogita Darpan Group in India and is one of the best Science monthly magazines available for medical entrance examination students in India. Well-qualified professionals of Physics, Chemistry, Zoology and Botany make contributions to this magazine and craft it with focus on providing complete and to-the-point study material for aspiring candidates. The magazine covers General Knowledge, Science and Technology news, Interviews of toppers of examinations, study material of Physics, Chemistry, Zoology and Botany with model papers, reasoning test questions, facts, quiz contest, general awareness and mental ability test in every monthly issue.* **Issues in Metal Research: 2011 Edition** *ScholarlyEditions Issues in Metal Research / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Metal Research. The editors have built Issues in Metal Research: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Metal Research in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Metal Research / 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.* **Healthcare Solutions Using Machine Learning and Informatics** *CRC Press Healthcare Solutions Using Machine Learning and Informatics covers novel and innovative solutions for healthcare that apply machine learning and biomedical informatics technology. The healthcare sector is one of the most critical in society. This book presents a series of artificial intelligence, machine learning, and intelligent IoT-based solutions for medical image analysis, medical big-data processing, and disease predictions. Machine learning and artificial intelligence use cases in healthcare presented in the book give researchers, practitioners, and students a wide range of practical examples of cross-domain convergence. The wide variety of topics covered include: Artificial Intelligence in healthcare Machine learning solutions for such disease as diabetes, arthritis, cardiovascular disease, and COVID-19 Big data analytics solutions for healthcare data processing Reliable biomedical applications using AI models Intelligent IoT in healthcare The book explains fundamental concepts as well as the advanced use cases, illustrating how to apply emerging technologies such as machine learning, AI models, and data informatics into practice to tackle challenges in the field of healthcare with real-world scenarios. Chapters contributed by noted academicians and professionals examine various solutions, frameworks, applications, case studies, and best practices in the healthcare domain.* **Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing** *IGI Global Distributed systems intertwine with our everyday lives. The benefits and current shortcomings of the underpinning technologies are experienced by a wide range of people and their smart devices. With the rise of large-scale IoT and similar distributed systems, cloud bursting technologies, and partial outsourcing solutions, private entities are encouraged to increase their efficiency and offer unparalleled availability and reliability to their users. The Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing is a vital reference source that provides valuable insight into current and emergent research occurring within the field of distributed computing. It also presents architectures and service frameworks to achieve highly integrated distributed systems and solutions to integration and efficient management challenges faced by current and future distributed systems. Highlighting a range of topics such as data sharing, wireless sensor networks, and scalability, this multi-volume book is ideally designed for system administrators, integrators, designers, developers, researchers, academicians, and students.* **Cases on Online Learning Communities and Beyond: Investigations and Applications** *IGI Global Technology-enriched online settings provide new ways to support lifelong learning. Learners can interact with other learners, gain from their experiences, and then construct their own knowledge, be it through Google Docs, online collaborative communities, YouTube, wikis, or blogs. Cases on Online Learning Communities and Beyond: Investigations and Applications provides a variety of essential case studies which explore the benefits and pedagogical successes of distance learning, blended learning, collaborative learning environments, computer-supported group-based learning, and professional learning communities. This casebook is an essential resource for educators, instructional designers, trainers, administrators, and researchers working in the areas of online learning and distance learning.* **Development Challenges, South-South Solutions: October 2011 Issue** *Development Challenges, South-South Solutions is the monthly e-newsletter for the United Nations Development Programme's South-South Cooperation Unit (www.southerninnovator.org).* **Development Challenges, South-South Solutions** *Development Challenges, South-South Solutions is the monthly e-newsletter for the United Nations Development Programme's South-South Cooperation Unit (www.southerninnovator.org). It*

has been published every month since 2006. **Akash Bharati, National Broadcast Trust Report of the Working Group on Autonomy for Akashvani & Doordarshan Rising Threats in Expert Applications and Solutions Proceedings of FICR-TEAS 2020** Springer Nature This book presents high-quality, peer-reviewed papers from the FICR International Conference on Rising Threats in Expert Applications and Solutions 2020, held at IIS University Jaipur, Rajasthan, India, on January 17-19, 2020. Featuring innovative ideas from researchers, academics, industry professionals and students, the book covers a variety of topics, including expert applications and artificial intelligence/machine learning; advanced web technologies, like IoT, big data, and cloud computing in expert applications; information and cybersecurity threats and solutions; multimedia applications in forensics, security and intelligence; advances in app development; management practices for expert applications; and social and ethical aspects of expert applications in applied sciences. **Assam Police Sub Inspector Exam 2022** Arihant Publications India limited 1. The book is a complete study guide for Assam Police Constable recruitment exam 2. Entire syllabus is divided into 5 sections 3. Current Affairs has been allotted a special section 4. Practice questions are provided for revision Napoleon Hill once said, "Your big Opportunity may be right where you are now." State Level Police Recruitment Board - Assam Police has recently released about 597vacancy for the posts of Sub Inspector (SI) for the recruitment. Candidates who are willing to make their careers in Assam Police Constable grab this opportunity now. Make yourself well prepared with currently revised for "Assam Police Sub Inspector Recruitment exam." that has been carefully prepared for the candidates who are preparing for the upcoming exam. Proving as a complete study guide, this book is divided into 5 main subjects, giving the complete coverage to the syllabus. A special section is also provided for the current affairs. Each chapter has been well explained in details for better conceptual clarity. Practice Questions are also given in the book, to get the insights of the paper pattern. TOC Current Affairs, Current and History of Assam, General Knowledge, Comprehension Logical Reasoning, Quantitative Aptitude. **Case Method in Management Education Vol 2** Excel Books India **Case method in Management Education (Vol II)** Excel Books India **Master Guide SSC CGL Combined Graduate Level Pre Exam Tier 1 2022** Arihant Publications India limited 1. Master Guide SSC CGL Pre Exam (Tier 1) is prepared according Online exam pattern 2. The guide is divided into 4 major sections 3. Each section is accompanied with 5 Section Tests 4. Separate section has been allotted to current affairs 5. Previous Years' Solved Papers, Mock tests and Crack Shots for thorough Practice The Staff Selection Commission or (SSC) has been one of the most desirable organizations for Government exam in India. Aspirants appearing for the exams are required to have proper guidance and preparation to get into the different departments of Government. The revised edition of "SSC CGL Pre Examination Tier I Online Pattern" serves as a Master guide that is carefully designed to give Chapterwise coverage of previous Years' Question. The book divides the entire syllabus of Tier 1 into 4 sections - General Intelligence & reasoning, General Awareness, Quantitative Aptitude, and English Language giving the complete theory of as per the prescribe syllabus. Latest Current Affairs are given to provide complete summery of the current events & happening around the world. More than 5000 MCQs given for the quick revision. Besides, theories each section is accompanied by 5 section tests to master the strategy. Lastly solved papers, Crack Shots and Mock Tests are given to know the paper pattern, question types along with thorough practice. TOC Current Affairs, Solved Papers (2020-2016), General Intelligence and Reasoning, General Awareness, Quantitative Aptitude, English Language, Crack Shots (2), Mock Tests (1-3) **Transition Elements—Advances in Research and Application: 2012 Edition** ScholarlyEditions Transition Elements—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Transition Elements. The editors have built Transition Elements—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Transition Elements in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Transition Elements—Advances in Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. **International Conference on Digital Libraries (ICDL) 2013 Vision 2020: Looking Back 10 Years and Forging New Frontiers** The Energy and Resources Institute (TERI) ICDL conferences are recognized on of the most important platform in the world where noted expert share their experiences. Many DL experts have contributed thought provoking papers in ICDL 2013. These important papers are reviewed and conceptualized into ICDL on different areas of DL proceedings. The Proceedings have two volumes and has over 1100 pages. **Issues in General Food Research: 2011 Edition** ScholarlyEditions Issues in General Food Research / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about General Food Research. The editors have built Issues in General Food Research: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about General Food Research in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in General Food Research: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. **The Life of Z Understanding the Digital Pre-teen and Adolescent Generation** SAGE Publishing India A Swedish teenager, Greta Thunderberg, has become the poster girl for the Climate Change and Sustainability movement across the world. All of 16 years, she has been nominated for the Nobel prize and has been on the cover of Time Magazine as one of the 100 most influential people in the world. Greta personifies and symbolizes zeners, who are nothing like any previous generation the world has ever seen. These pre-teens & teens are unique, world changers and perhaps the only hope for this planet. Yet, if not nurtured, they are at the risk of being lost due to the ignorance of institutions and individuals. The Life of Z packs extensive real-life narratives and thought provoking analysis to help us understand this generation born 2000 and after to engage with them for a better future for them and for all of us. **I Succeed onliner current affairs 2021** Arihant Publications India limited 1. I Succeed One Line Current Affairs - is a newly introduced general knowledge magazine 2. Provides complete coverage of Current Affairs from January to June 2021. 3. It covers every part of General Knowledge from National to International. 4. More than 500 MCQs &

Rapid Revision Points for the quick grasp of knowledge. 5. Highly useful for State PCSs, IBPS (PO/ Clerk), NDA/CDA, SSC (CGL & 10+2), Railways & Other State Level Competition Exams. With the ever changing exam pattern, it has become very important for aspirants to get along with general knowledge in everyday life, and stay updated with daily events happening around. Get your prep done with Arihant's newly introduced "i succeed One Liner Current Affairs" that is comprised to give complete guidance and coverage of current events from August 2020 - to July 2021 in a concise manner. Covering all the important top events of the year 2021 from all the categories, this magazine has given special emphasize on the newly appoint Central Ministry. Beside, all the one line events, it has more than 500 MCQs given from all kinds of categories for practice. Also, more than 500 Rapid Revision Points are provided for the quick glance on the events. Get the assured success in all competitions with this hand magazine. TOC Latest Central Ministry, Top Events of 2020-21, National Personalities, International Personalities (Appointment, Newly Elected PMs/Presidents, Person Died, Person in News), Awards & Honours (National), Awards & Honours (International), National Summits/Conferences, International Summits/Conferences, National Index & Ranking, International Index & Ranking, Space Technology (ISRO Outcomes, ISRO's Future Mission, International Missions), Missiles and Weapon Systems Test, Armed Forces Exercise 2020-21, Commission/Decommission, Sports Panorama, Important Bills Approved in 2020-21, New Committees & Commissions, Mobile Apps & Web Portals, Natural Disasters in 2020-21, Days/Dates & Themes, Books & Authors 2020-21, Unveiling of Statues & Bridges, Latest Abbreviations, Central Schemes 2020-21, State Schemes Launched in 2020-21, Heads of National Institutions & Organisations, States & Union Territories of India, High Courts in India and their Chief Justices, Officials of Banks, Heads of Economic Institutions & Organisations, Heads of Sports Institutions & Organisations, Heads of International Institutions & Organisations, Capitals, Currencies, Languages & Heads of Major Countries, 500+ Rapid Revision Points, 500+ Current MCQs

Ethnomedicinal Plant Use and Practice in Traditional Medicine IGI Global Traditional medicinal knowledge, especially the use of ethnomedicinal plants in developing countries, has been passed down for generations. Today, however, scientists are poised to combine traditional medicinal plants and modern drug discoveries to further develop essential products that have followed the leads of indigenous cures used for centuries. Ethnomedicinal Plant Use and Practice in Traditional Medicine provides emerging research exploring the theoretical and practical aspects of indigenous knowledge and therapeutic potential within ethnobotany. Featuring coverage on a broad range of topics such as drug discovery, traditional knowledge, and herbal medicine, this book is ideally designed for doctors, healers, medical professionals, ethnobotanists, naturalists, academicians, researchers, and students interested in current research on the medical use and applications of natural-based resources.

Tribal Development in Western India Routledge Tribal communities in western India, as elsewhere in the country, have been facing increasing marginalisation and poverty. This is so despite a relatively better record of social movements and work by civil society organisations among them and their political inclusion. Further, the existing literature on tribals focuses more on their socio-cultural situation and less on their economic and human development. Addressing this gap in scholarship, this volume details the processes of tribal development and associated challenges in Gujarat, often viewed as a high-growth economy. Rich in interdisciplinary, empirical analyses, the book comprehensively addresses three important aspects of tribal development — human development, economic opportunities and governance. It critiques recent policy diagnoses and interventions, rather than evaluate policy-outcomes. The volume traces the genesis of continued marginalisation of tribals in the country, and contributes to the ongoing discourse on integrative tribal development. The work will interest scholars and students of development studies, tribal studies, economics, sociology, social work, as also policy-makers, activists, and governmental and non-governmental organisations in the field.

Light Metals—Advances in Research and Application: 2012 Edition ScholarlyEditions Light Metals—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Light Metals. The editors have built Light Metals—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Light Metals in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Light Metals—Advances in Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Reliability and Risk Assessment in Engineering Proceedings of INCRS 2018 Springer Nature This volume is a collection of articles on reliability and safety engineering presented during INCRS 2018. The articles cover a variety of topics such as big data analytics and their applications in reliability assessment and condition monitoring, health monitoring, management, diagnostics and prognostics of mechanical systems, design for reliability and optimization, and machine learning for industrial applications. A special aspect of this volume is the coverage of performance, failure and reliability issues in electrical distribution systems. This book will be a useful reference for graduate students, researchers and professionals working in the area of reliability assessment, condition monitoring and predictive maintenance.

Artificial Intelligence of Things for Weather Forecasting and Climatic Behavioral Analysis IGI Global Weather forecasting and climate behavioral analysis have traditionally been done using complicated physics models and accompanying atmospheric variables. However, the traditional approaches lack common tools, which can lead to incomplete information about the weather and climate conditions, in turn affecting the prediction accuracy rate. To address these problems, the advanced technological aspects through the spectrum of artificial intelligence of things (AIoT) models serve as a budding solution. Further study on artificial intelligence of things and how it can be utilized to improve weather forecasting and climatic behavioral analysis is crucial to appropriately employ the technology. Artificial Intelligence of Things for Weather Forecasting and Climatic Behavioral Analysis discusses practical applications of artificial intelligence of things for interpretation of weather patterns and how weather information can be used to make critical decisions about harvesting, aviation, etc. This book also considers artificial intelligence of things issues such as managing natural disasters that impact the lives of millions. Covering topics such as deep learning, remote sensing, and meteorological applications, this reference work is ideal for data scientists, industry professionals, researchers, academicians, scholars, practitioners, instructors, and students.

Handbook of Research on Automated Feature Engineering and Advanced Applications in Data Science IGI Global In today's digital world, the huge amount of data being generated is unstructured, messy, and chaotic in nature. Dealing

with such data, and attempting to unfold the meaningful information, can be a challenging task. Feature engineering is a process to transform such data into a suitable form that better assists with interpretation and visualization. Through this method, the transformed data is more transparent to the machine learning models, which in turn causes better prediction and analysis of results. Data science is crucial for the data scientist to assess the trade-offs of their decisions regarding the effectiveness of the machine learning model implemented. Investigating the demand in this area today and in the future is a necessity. The Handbook of Research on Automated Feature Engineering and Advanced Applications in Data Science provides an in-depth analysis on both the theoretical and the latest empirical research findings on how features can be extracted and transformed from raw data. The chapters will introduce feature engineering and the recent concepts, methods, and applications with the use of various data types, as well as examine the latest machine learning applications on the data. While highlighting topics such as detection, tracking, selection techniques, and prediction models using data science, this book is ideally intended for research scholars, big data scientists, project developers, data analysts, and computer scientists along with practitioners, researchers, academicians, and students interested in feature engineering and its impact on data. **Metals—Advances in Research and Application: 2012 Edition** ScholarlyEditions Metals—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Metals. The editors have built Metals—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Metals in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Metals—Advances in Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. **History of Maintenance of Indian Air Force 1977-2016 12 Aeronautical Engineers' Course** Notion Press IAF from its humble beginning in 1932 has transformed itself into fourth largest AF operating at frontiers of technologies with multi-dimensional capabilities and a potent force to reckon with. It is said that the history is written by winners. But what is important is that the history is documented impartially, objectively and factually, as much as possible. It may be worth for IAF to consider coming out with a book each on Operations, Maintenance and Administration, depicting the historical decisions taken - successes and failures in equal measure - and how the IAF progressed over the decades to be what it is today - a professionally managed, optimally exploited, synergistically working and one of the most effective instruments of national power to ensure accomplishing objectives of the nation. Yes, coffee table books and anniversary issues do gloss over a few events, but the real history is made by the toil, blood and sweat and tears of the men behind these operations. Individual awards and citations many times compromise on actualities and are miserly with truth. "History is an argument without an end" said Pieter Geyl the Dutch historian. "I am glad to recommend this book to all, as the readers of the book, irrespective of their background, will enjoy the journey of these 'spanners and screwdrivers' of 12 AEC covering almost 900 man-years of IAF maintenance. It is also bound to raise curiosity in many minds to know more about air force maintenance. The book may act as a lighthouse for a lot of the present serving aeronautical engineers in their progression." - Air Marshal KS Bhatia, PVSM AVSM & BAR "40 years of IAF maintenance history told through the voices of 39 outstanding air force officers with an unsurpassed breadth of experience and accomplishments. Most inspiring." - Ramesh Dontha, Author of The 60-Minute Startup series of books, 3 times bestselling author, Gold Medal Award winner in 2020 Reader's Favorite International Competition (Marketing) **Advances in Automotive Technologies Select Proceedings of ICPAT 2019** Springer Nature This book contains selected papers from the International Conference on Progress in Automotive Technologies (ICPAT) 2019. The contents focus on several aspects of the automobile industry from design to manufacture, and the challenges involved therein. The book covers latest research trends in the automotive domain including topics such as aerodynamic design, vehicle sensors and electronics, engine combustion modeling, noise and vibration in vehicles, electric and hybrid vehicles, automotive tribology, and battery and fuel cell technologies. The book highlights the use of emerging technologies to tackle the growing environmental challenges. This book will be of interest to students, researchers as well as professionals working in automotive engineering and allied fields. **J.C. Chaudhry : The Incredible Aakash Story** Om Books International J.C. Chaudhry has been closely associated with the field of teaching and education for 48 years, motivating lakhs of students and shaping their future careers. J.C. Chaudhry: The Incredible Aakash Story traces his journey from an educator to one of India's most successful academic entrepreneurs. He established Aakash Educational Services Limited (AESL) in 1988 and redefined the Indian test-preparatory coaching industry. Aakash excels as a standalone brand today. With more than 31 years of operational experience, a strong selection track record in Medical and Engineering entrance exams and Foundation level exams, a pan-India network of over 200 Aakash Centres, and a student count of more than 2,50,000, Aakash has become the most trusted name in the country for focused learning. This book is a fascinating account of J.C. Chaudhry's life story. It highlights his determination and grit, and his abiding commitment to students, which helped him turn his dream into reality. He has successfully played the roles of a dedicated teacher, an entrepreneur, a numerologist, a philanthropist, a motivational speaker, a family man and a brilliant investor over the years. His experiences and beliefs, shared candidly in J.C. Chaudhry: The Incredible Aakash Story are an invaluable source of inspiration to students, entrepreneurs and business leaders of all stripes. **Rural Technology Development and Delivery RuTAG and Its Synergy with Other Initiatives** Springer This book comprises the proceedings of a rural technologies conference organised by the Rural Technology Action Group (RuTAG), which was conceptualized and initiated by Principal Scientific Adviser (PSA) to the Government of India R. Chidambaram in 2003-04. The book highlights case studies and research into providing science and technology interventions for the development of rural areas. Covering various aspects of research carried out in the area of rural technologies, it offers a valuable resource for researchers, professionals, and policymakers alike. **One Liner Current Affairs** Arihant Publications India limited **Application of Communication Computational Intelligence and Learning** Taylor & Francis The special issue is dedicated to National conference on Communication, computational intelligence and learning-NCCCIL sponsored by AICTE and organized by Department of Information Technology at Army Institute of Technology from 12-13 January 2022. This conference gave the collaborative forum to academic experts, researchers and corporate professionals to enrich their knowledge in the automation

and analysis of industry and business processes in a smart way. The two day conference included invited talks and paper presentations focusing on the applications of Computational intelligence, Communication, Machine Learning and Artificial Intelligence. **Current Affairs YOUTH COMPETITION TIMES 2022 Current Affairs Success Handbook of Research on Network Forensics and Analysis Techniques** IGI Global With the rapid advancement in technology, myriad new threats have emerged in online environments. The broad spectrum of these digital risks requires new and innovative methods for protection against cybercrimes. The Handbook of Research on Network Forensics and Analysis Techniques is a current research publication that examines the advancements and growth of forensic research from a relatively obscure tradecraft to an important part of many investigations. Featuring coverage on a broad range of topics including cryptocurrency, hand-based biometrics, and cyberterrorism, this publication is geared toward professionals, computer forensics practitioners, engineers, researchers, and academics seeking relevant research on the development of forensic tools.

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Issues in Metal Research: 2012 Edition ScholarlyEditions Issues in Metal Research / 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Metallurgy. The editors have built Issues in Metal Research: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Metallurgy in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Metal Research / 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Handbook of Research on Digital Crime, Cyberspace Security, and Information Assurance IGI Global In our hyper-connected digital world, cybercrime prevails as a major threat to online security and safety. New developments in digital forensics tools and an understanding of current criminal activities can greatly assist in minimizing attacks on individuals, organizations, and society as a whole. The Handbook of Research on Digital Crime, Cyberspace Security, and Information Assurance combines the most recent developments in data protection and information communication technology (ICT) law with research surrounding current criminal behaviors in the digital sphere. Bridging research and practical application, this comprehensive reference source is ideally designed for use by investigators, computer forensics practitioners, and experts in ICT law, as well as academicians in the fields of information security and criminal science.

Future of Coal in India Smooth Transition or Bumpy Road Ahead? Notion Press Mark Twain observed, "I'm in favour of progress; it's change I don't like." Coal dominates Indian energy because it's available domestically and cheap (especially without a carbon tax). If the global focus is on the energy transition, how does India ensure a just transition? Managing winners and losers will be the single largest challenge for India's energy policy. Coal is entrenched in a complex ecosystem. In some states, it's amongst the largest contributors to state budgets. The Indian Railways, India's largest civilian employer, is afloat because it overcharges coal to offset under-recovery from passengers. Coal India Limited, the public sector miner that produces 85% of domestic coal, is the world's largest coal miner. But despite enormous reserves, India imports about a quarter of consumption. On the flip side, coal faces inevitable pressure from renewable energy, which is the cheapest option for new builds. However, there is significant coal-based power capacity already in place, some of which is underutilized, or even stranded. Low per-capita energy consumption means India must still grow its energy supply. Before India can phase out coal, it must first achieve a plateau of coal. How this happens cost-effectively and with least resistance isn't just a technical or economic question, it depends on the political economy of coal and its alternatives. Some stakeholders want to kill coal. A wiser option may be to first clean it up, instead of wishing it away. Across 18 chapters, drawing from leading experts in the field, we examine all aspects of coal's future in India. We find no easy answers, but attempt to combine the big picture with details, bringing them together to offer a range of policy options.

Trade, Finance, and Investment in South Asia Berghahn Books This important collection of essays covers such subjects as the impact of changing global trade policies on India; the charting of a free trade area in South Asia; India's informal trade with Bangladesh and Nepal; India-Bangladesh bilateral trade; a plan to strengthen regional trade cooperation in South Asia with special reference to India and Pakistan; a comparative analysis of the Chinese and Indian experience of multinational and expatriate foreign direct investment; foreign direct investment and economic integration in the SAARC region and health policy challenges for India.

Intelligent Renewable Energy Systems Integrating Artificial Intelligence Techniques and Optimization Algorithms John Wiley & Sons INTELLIGENT RENEWABLE ENERGY SYSTEMS This collection of papers on artificial intelligence and other methods for improving renewable energy systems, written by industry experts, is a reflection of the state of the art, a must-have for engineers, maintenance personnel, students, and anyone else wanting to stay abreast with current energy systems concepts and technology. Renewable energy is one of the most important subjects being studied, researched, and advanced in today's world. From a macro level, like the stabilization of the entire world's economy, to the micro level, like how you are going to heat or cool your home tonight, energy, specifically renewable energy, is on the forefront of the discussion. This book illustrates modelling, simulation, design and control of renewable energy systems employed with recent artificial intelligence (AI) and optimization techniques for performance enhancement. Current renewable energy sources have less power conversion efficiency because of its intermittent and fluctuating behavior. Therefore, in this regard, the recent AI and optimization techniques are able to deal with data ambiguity, noise, imprecision, and nonlinear behavior of renewable energy sources more efficiently compared to classical soft computing techniques. This book provides an extensive analysis of recent state of the art AI and optimization techniques applied to green energy systems. Subsequently,

researchers, industry persons, undergraduate and graduate students involved in green energy will greatly benefit from this comprehensive volume, a must-have for any library. Audience Engineers, scientists, managers, researchers, students, and other professionals working in the field of renewable energy. **Light Metals: Advances in Research and Application: 2011 Edition** ScholarlyEditions Light Metals: Advances in Research and Application: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Light Metals. The editors have built Light Metals: Advances in Research and Application: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Light Metals in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Light Metals: Advances in Research and Application: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.