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## Ram Singh Yadav Published

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India's Ancient Past  
Functional Food and Human Health  
Indian Army Acc Entrance Exam  
Emerging and Transboundary Animal Viruses  
RAW, a History of India's Covert Operations  
Mulayam Singh  
Mathematics Applied to Engineering  
Mulayam Singh Yadav Aur Samajvad  
Indian Army MER Nursing Assistant 2020  
Aptamers  
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Mycoremediation and Environmental Sustainability  
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The Seed of Compassion  
Intelligent System Algorithms and Applications in Science and Technology  
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Climate Change and Management of Cool Season Grain Legume Crops  
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The Great War of Hind  
Contamination of Water  
Nanobiotechnology Applications in Plant Protection  
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Environmental Pollutants and their Bioremediation Approaches

Energy and Environment

Indian Air Force AIRMAN Group 'Y' (Non-Technical Trades) 2020

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## DAISY GIOVANNA

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**India's Ancient Past** Arihant Publications India limited

For the first time ever, Nobel Peace Prize Laureate His Holiness the Dalai Lama addresses children directly, sharing lessons of peace and compassion, told through stories of his own childhood. One of today's most inspiring world leaders was once an ordinary child named Lhamo Thondup. In a small village in Tibet, his mother was his first great teacher of compassion. In everyday moments from his childhood, young readers begin to see that important lessons are all around us, and that they, too, can grow to truly understand them. With simple, powerful text, the Dalai Lama shares the universalist teachings of treating one another with compassion, which Bao Luu illustrates beautifully in vibrant color. In an increasingly confusing world, *The Seed of Compassion* offers guidance and encouragement on how we all might bring more kindness to it.

**Functional Food and Human Health** Arihant Publications India limited

This book presents a complete and accessible description of the history of early India. It starts by discussing the origins and growth of civilizations, empires, and religions. It also deals with the geographical, ecological, and linguistic backgrounds, and looks at specific cultures of the Neolithic, Chalcolithic, and Vedic periods, as well as at the Harappan civilization. In addition, the rise of Jainism and Buddhism, Magadha and the beginning of territorial states, and the period of Mauryas, Central Asian countries, Satvahanas, Guptas, and Harshavardhana are also analysed. Next, it stresses varna system, urbanization, commerce and trade, developments in science and philosophy, and cultural legacy. Finally, the process of transition from ancient to medieval India and the origin of the Aryan culture has also been examined.

**Indian Army Acc Entrance Exam** Konark Publishers Pvt, Limited

The potassium solubilizing microorganisms (KSMs) are a rhizospheric microorganism which solubilizes the insoluble potassium (K) to soluble forms of K for plant growth and yield. K-

solubilization is carried out by a large number of saprophytic bacteria (*Bacillus mucilaginosus*, *B. edaphicus*, *B. circulans*, *Acidithiobacillus ferrooxidans*, *Paenibacillus* spp.) and fungal strains (*Aspergillus* spp. and *Aspergillus terreus*). Major amounts of K containing minerals (muscovite, orthoclase, biotite, feldspar, illite, mica) are present in the soil as a fixed form which is not directly taken up by the plant. Nowadays most of the farmers use injudicious application of chemical fertilizers for achieving maximum productivity. However, the KSMs are most important microorganisms for solubilizing fixed form of K in soil system. The KSMs are an indigenous rhizospheric microorganism which show effective interaction between soil-plant systems. The main mechanism of KSMs is acidolysis, chelation, exchange reactions, complexolysis and production of organic acid. According to the literature, currently negligible use of potassium fertilizer as chemical form has been recorded in agriculture for enhancing crop yield. Most of the farmers use only nitrogen and phosphorus and not the K fertilizer due to unawareness that the problem of K deficiency occurs in rhizospheric soils. The K fertilizer is also costly as compared to other chemical fertilizers.

**Emerging and Transboundary Animal Viruses** Arihant Publications India limited

This edited book focusses on green chemistry as the research community endeavours to create eco-friendly materials and technologies. It provides an in-depth overview of the fundamentals, key concepts and experimental techniques for eco-friendly synthesis of organic compounds and metal/metal oxide nanoparticles/nanomaterials. It also emphasizes the mechanisms, designing and industrial technologies for green synthesis and its applications. Each chapter brings the recent developments, state of the art, challenges and perspectives which cover all the aspects in one place, and which concern the green synthesis and evolution. Authored by world-renowned experts in a broad range of green chemistry sectors, this book is an archival reference guide for researchers, engineers, scientists and postgraduates working in the field of sustainable science, green chemistry, environmental science, engineering sciences and industrial technologies.

**RAW, a History of India's Covert Operations** CRC Press

This book delves into various solution paradigms such as artificial neural network, support vector machine, wavelet transforms, evolutionary computing, swarm intelligence. During the last decade, novel solution technologies based on human and species intelligence have gained immense popularity due to their flexible and unconventional approach. New analytical tools are also being developed to handle big data processing and smart decision making. The idea behind compiling this work is to familiarize researchers, academicians, industry persons and students with various applications of intelligent techniques for producing sustainable, cost-effective and robust solutions of frequently encountered complex, real-world problems in engineering and science disciplines. The practical problems in smart grids, communication, waste management, elimination of harmful elements from nature, etc., are identified, and smart and optimal solutions are proposed.

*Mulayam Singh Rupa*

This fully updated edition provides selected mouse genetic techniques and their application in modeling varieties of human diseases. The chapters are mainly focused on the generation of different transgenic mice to accomplish the manipulation of genes of interest, tracing cell lineages, and modeling human diseases. Written for the highly successful *Methods in Molecular Biology* series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and up-to-date, *Mouse Genetics: Methods and Protocols, Second Edition* delivers fundamental techniques and protocols to geneticists, molecular biologists, cell and developmental biologists, students, and postdoctoral fellows working in the various disciplines of genetics, developmental biology, mouse genetics, and modeling human diseases.

**Mathematics Applied to Engineering** Sristhi Publishers & Distributors

This book comprising seven parts is organized under two sections. The first section deals with environment containing four parts,

whereas the second section, containing three parts, is on energy. The first part deals with some aspects of hydrologic impacts of global warming and anthropogenic changes. Part II is on bio-environment and discusses plants, biomass, and bacterial species. Part III focuses on chemical environment. Section one is concluded with Part IV on social environment. Section two starts out with Part V on solar energy. Hydropower is discussed in Part VI. The concluding Part VII deals with biogas. The book will be of interest to researchers and practitioners in the field of water resources, hydrology, environmental resources, agricultural engineering, watershed management, earth sciences, as well as those engaged in natural resources planning and management. Graduate students and those wishing to conduct further research in water and environment and their development and management may find the book to be of value.

**Mulayam Singh Yadav Aur Samajvad** Springer

On 18 November 1962, the Charlie Company of the 13 Kumaon Battalion, Kumaon Regiment, fought a Chinese attack at Rezang La Pass in Ladakh, India. The company comprised 120 soldiers and was led by Maj. Shaitan Singh. Of these soldiers, 110 were martyred in the attack. The Indian search party, which visited the battlefield on 10 February 1963, made a startling discovery—the frozen bodies of the men who had died were still holding guns in their hands, having taken bullets on their chests. One PVC (Param Vir Chakra), eight VCs (Vir Chakras), four SMs (Sena Medals) and one M-in-D (Mentioned-in-Dispatches) were awarded to the soldiers of the Charlie Company, making it one of the highest decorated companies of the Indian Army to this day. The valour of the Charlie Company not only successfully stopped China's advance, but it also resulted in the Chushul airport being saved, thereby preventing a possible Chinese occupation of the entire Ladakh region in 1962. According to reports, a total of 1300 Chinese soldiers were killed trying to capture Rezang La. The Charlie Company was an all-Ahirs company, and most of the soldiers who fought the battle at 18,000 feet came from the plains of Haryana. The Battle of Rezang La is their story.

*Indian Army MER Nursing Assistant 2020* CRC Press

Mathematics Applied in Engineering presents a wide array of applied mathematical techniques for an equally wide range of engineering applications, covering areas such as acoustics, system engineering, optimization, mechanical engineering, and

reliability engineering. Mathematics acts as a foundation for new advances, as engineering evolves and develops. This book will be of great interest to postgraduate and senior undergraduate students, and researchers, in engineering and mathematics, as well as to engineers, policy makers, and scientists involved in the application of mathematics in engineering. Covers many mathematical techniques for robotics, computer science, mechanical engineering, HCI and machinability Describes different algorithms Explains different modeling techniques and simulations

*Aptamers* Springer Nature

This book comprehensively covers recent advances and developments in industrial biotechnology. The book provides an account of biotechnology in industrial applications, and aims to stimulate research in the area. It also highlights future needs in the research area.

*Beyond The Lines: An Autobiography* Springer Nature

Volume 3 covers recent research with expanded coverage on this important area of remediation. Mycoremediation is the form of bioremediation in which fungi-based technology is used to decontaminate the environment. Fungi are among the primary saprotrophic organisms in an ecosystem, as they are efficient in the decomposition of organic matter. Wood-decay fungi, especially white rot, secretes extracellular enzymes and acids that break down lignin and cellulose. Fungi have been proven to be a very cost-effective and environmentally-friendly way for helping to remove a wide array of toxins from damaged environments or wastewater. These toxins include heavy metals, persistent organic pollutants, textile dyes, leather tanning industry chemicals and wastewater, petroleum fuels, polycyclic aromatic hydrocarbon, pharmaceuticals and personal care products, pesticides and herbicides, in land, fresh water and marine environments. Bioremediation of toxic organics by fungi is the most sustainable and green route for cleanup of contaminated sites and we discuss the multiple modes employed by fungi for detoxification of different toxic and recalcitrant compounds including prominent fungal enzymes viz., catalases, general lipase, laccases, peroxidases and sometimes intracellular enzymes, especially the cytochrome P450 monooxygenases. Fungi play an important role in the biogeochemical cycling of manganese and other redox-active metals, which is related to

their ability to survive radiation and other oxidative challenges. This book covers recent research with more detail on the various types of fungi and associated fungal processes used to clean up wastes and wastewaters in contaminated environments, and discusses their potential for environmental applications.

**Mycoremediation and Environmental Sustainability** Elsevier

This book provides state of the art description of various approaches, techniques and some basic fundamentals of bioremediation to manage a variety of organic and inorganic wastes and pollutants present in our environment. A comprehensive overview of recent advances and new development in the field of bioremediation research are provided within relevant theoretical framework to improve our understanding for the cleaning up of polluted water and contaminated land. The book is easy to read and language can be readily comprehended by aspiring newcomer, students, researchers and anyone else interested in this field. Renowned scientists around the world working on the above topics have contributed chapters. In this edited book, we have addressed the scope of the inexpensive and energy neutral bioremediation technologies. The scope of the book extends to environmental/agricultural scientists, students, consultants, site owners, industrial stakeholders, regulators and policy makers.

*Sacred Games* Oxford University Press

John F. Kennedy once said, “ask not what country can do for you, ask what you can do for your country” and this quote directly and clearly reflects our Indian Army. Serving the nation is everybody's dream but having a brave heart is not one everyone's cup of tea only passionate people inculcate this. The Indian Army is an excellent source skilled manpower. Every year lakhs of young aspirants enroll to its different wings to its different examinations so, Indian army soldiers (Technical) MER Examination is one of them. This examination held four times a year. Indian Army Technical Written Examination consists of 2 papers – Paper I: that checks Intelligence Quotient (IQ), Numerical Ability and General Knowledge and Paper II: That checks technical portion of the candidates i.e. physics, chemistry and mathematics. The revised edition of ‘Indian Army Soldier Technical Recruitment Exam’ book is completely designed as per latest syllabus and examination pattern. The book divided into 6 sections and 3 Practice sets. Each chapter of this book has ample amount of solved and

unsolved questions that gives the exact feel of the paper, solutions are well explained in easy and lucid language so that candidates could understand easily quickly and to make familiar with recent pattern of question paper and answer writing skills. This book is prepared according to the level of the examination so that candidates can assure after preparing from it. TABLE OF CONTENT Mathematics, Physics, Chemistry, General Knowledge, Current affairs, Practice Sets (1-3).

[The Seed of Compassion](#) Rajpal & Sons

The Research and Analysis Wing, India's shadowy external intelligence agency, is one of the country's least understood institutions?at least in part by design. Perhaps fittingly for a spy agency, there is very little information about R&AW in the public domain. What is this organisation, its structure, its role and vision? Why was it set up? Who are the people that run it?Set up in 1968, as a reaction to India's massive intelligence failure during the war with China, R&AW played a crucial role in the formation of Bangladesh. It has since carried out highly successful covert operations in Fiji, Afghanistan and Sri Lanka, and has countered and foiled Pakistani spy agency ISI's machinations in the subcontinent. R&AW has operations in other parts of the globe too; it played an important role during the Iran-Iraq war, for instance.No country can increase its global reach without intelligence support. That India has made enormous strides in its stature and influence is testimony to R&AW's success. Yet, public accounts of its work exist only in highly romanticised fictional stories. Investigative journalist Yatish Yadav follows the lives of real agents and maps their actions in real situations. His conversations with Indian spies provide insight into how covert operations actually work. RAW: A History of India's Covert Operations is the first comprehensive account of Indian spy networks and their intelligence gathering, and their role in securing and advancing Indian interests.Read more [Intelligent System Algorithms and Applications in Science and Technology](#) Academic Press

Water containing significant amounts of inorganic and organic contaminants can have serious environmental consequences and serious health implications when ingested. Contamination of Water: Health Risk Assessment and Treatment Strategies takes an interconnected look at the various pollutants, the source of contamination, the effects of contamination on aquatic

ecosystems and human health, and what the potential mitigation strategies are. This book is organized into three sections. The first section examines the sources of potential contamination. This includes considering the current scenario of heavy metal and pesticide contamination in water as well as the regions impacted due to industrialization, mining, or urbanization. The second section goes on to discuss water contamination and health risks caused by toxic elements, radiological contaminants, microplastics and nanoparticles, and pharmaceutical and personal care products. This book concludes with a section exploring efficient low-cost treatment technologies and remediation strategies that remove toxic pollutants from water. Contamination of Water incorporates both theoretical and practical information that will be useful for researchers, professors, graduate students, and professionals working on water contamination, environmental and health impacts, and the management and treatment of water resources. Provides practical case studies of various types and sources of contamination Discusses inorganic and organic contaminants and their impact on human health Evaluates effective water treatment and remediation technologies to remove toxins from water and minimize risk

**Indian Army MER Soldier Clerks (SKT)** Humana

This book is a compilation of detailed and latest knowledge on the various types of environmental pollutants released from various natural as well as anthropogenic sources, their toxicological effects in environments, humans, animals and plants as well as various bioremediation approaches for their safe disposal into the environments. In this book, an extensive focus has been made on the various types of environmental pollutants discharged from various sources, their toxicological effects in environments, humans, animals and plants as well as their biodegradation and bioremediation approaches for environmental cleanup.

**The Role of Functional Food Security in Global Health** Springer

This book, which is the first volume of the book series-Livestock Diseases and Management, summarizes the prominence and implications of the emerging and transboundary animal viruses. Although the livestock plays an important role in the economy of many countries, the emerging and transboundary animal viral diseases possess a serious risk to the animal-agriculture sector and food security globally. The book describes the precise and up-

to-date information on animal viral diseases which have emerged in the recent past or are re-emerging due to various environmental factors and those which are not bounded in restricted national boundaries and attained the transboundary status. The chapters summarize the recent advancements in the molecular state-of-art tools towards the development of diagnostics, prophylactics, and therapeutics of these viruses. It also explicitly describes the challenges imposed by the emerging and transboundary viral infections and our preparedness to counter them.

[SSC Constable GD Exam Guide 2021](#) John Wiley & Sons

Indian Airforce (IAF) has released online applications for the post of Airman in Group 'Y' Trades (Non-Technical). All the eligible and interest unmarried men can apply for this examination. Every year Indian Air Force conducts recruitment examination for the selection of Airmen Group 'Y' and the selection is based on 3 Stages - Written Test (Online), Physical Test and Medical Test. 'Conquer The Sky' is the series that is completely based on latest official Pattern and Syllabus of Online Exam. The current edition of "Indian Airforce Airmen Group - Y (Non-Technical Trades) is the complete Study Package which is prepared for the candidates who have applied for the upcoming exam. This guide is divided into chapters under the key subjects and the best part of this book is that the theory given about every chapter is in the form of 'Notes' that allows to understand the concepts quickly and clearly by educating the entire syllabus, with more than 3000 MCQs in a Chapterwise manner, and lastly it includes fully solved model paper (Official) and 3 Practice Papers that allows to self-evaluate and helps to maintain the progress level. Answer provided in the book are well explained in details and clears all the doubts and fears regarding the exam that helps in the boosting the confidence. TABLE OF CONTENTS Model Solved Paper (Official), English, General Awareness, Mathematics, Reasoning, Practice Sets (1-3).

[Sailor \(SSR\) Navy Practice Sets](#) Westland Publications Limited Army Cadet College (ACC) is a wing of Indian Military Academy responsible for providing three years of an intense training to the Indian Soldiers to transform them into Officer for Indian Army. Conducting the Indian Army Entrance Exam twice in a year, it selects candidates from serving soldiers of Indian Army, Navy and Air Force through a selection process which undergoes three



phases of tests namely Written Phase, SSB Interview and Medical Test. The first gate of entry i.e., Written Test consists of four papers revolving around the topics like General Mental Ability, Current General Awareness, Interactive Communicative English and Academic Contest Test respectively. The new edition of Indian Army ACC Entrance Exam is a Complete Study Package for aspirants preparing for the forthcoming exam. It covers the Chapterwise Theory of the entire subjects along with more than 3500 Multiple Choice Questions to give a focused conceptual understanding to the aspirants. Model Papers have also been given for the self- assessment. Structured as per latest syllabus

and exam pattern, it will support aspirants greatly with its ample amount of study material. Table of Contents Model Papers Paper I General Mental Ability Test: Reasoning Ability, Numerical Ability. Paper II Current General Awareness: India and World. Paper III Interactive Communicative English: Objective English, Descriptive English Paper IV Academic Contest Test: Mathematics, General Science (Physics, Chemistry, Biology), Humanities

**Mycodegradation of Lignocelluloses** Springer Nature

The book discusses the basics of aptamers and the advent of aptamer-based technology in recent times. The book covers the

diverse applications of aptamers, such as in detection of animal and plant pathogens, disease diagnosis and therapeutics, environmental contamination detection etc. Besides these applications, the book also describes the use of these synthetic or modified DNA, as drug delivery vehicles. The different chapters describe how the binding capacity and specificity of aptamers can be exploited in various ways. The book also discusses how these attributes of aptamers can outdo the antibody technology in biomedical and diagnostic solutions. This crisp and concise book gives the readers an insight into the most recent biotechnological applications of aptamers.

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• [A Soul Of Ash And Blood: A Blood And Ash Novel \(blood And Ash Series\)](#)

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• [Ugly Love: A Novel By Colleen Hoover](#)

• [Dark Future: Uncovering The Great Reset's Terrifying Next Phase \(the Great Reset Series\) By Glenn Beck](#)

• [Dog Man: Twenty Thousand Fleas Under The Sea: A Graphic Novel \(dog Man #11\): From The Creator Of Captain Underpants By Dav Pilkey](#)