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PUNJAB AGRICULTURAL UNIVERSITY

e-Newsletter

Interesting Facts

Organic farming is not the sustainable model of Indian agriculture

Only 1% of agricultural land produces organic products worldwide as the productivity is very low. Sikkim is the only state that claimed itself as an organic farming state and heavily dependent on other states to feed its population.

Accessible at https://krishijagran.com/agripedia/top-20-agricultural-facts-that-will-amaze-you/

From the Desk of the University Librarian

The library is extremely rich in resources and has more than 4 lakhs books, journals, magazines, computerized online systems, audio-visual material and CD-ROMs. In modern times, the library has extended itself beyond the physical infrastructure by giving online access to the users and by providing the assistance in navigating and analysing tremendous amount of knowledge with a variety of digital tools. The Library is fully automated with user friendly Library Software KOHA (Software of Library Management).

The library is focused to ensure the availability of the quality educational resources and easy access to information to its patrons. Our staff is dedicated to deliver high quality educational resources and we are committed to provide a very conducive environment to study and excel in academics to the student. Our staff provides personal assistance to its patrons in search and selection of resources.

As the Librarian, I value intellectual capital of our country and thus use contemporary ways and means for the comprehensive development of the personality of our students.

Yogita Sharma

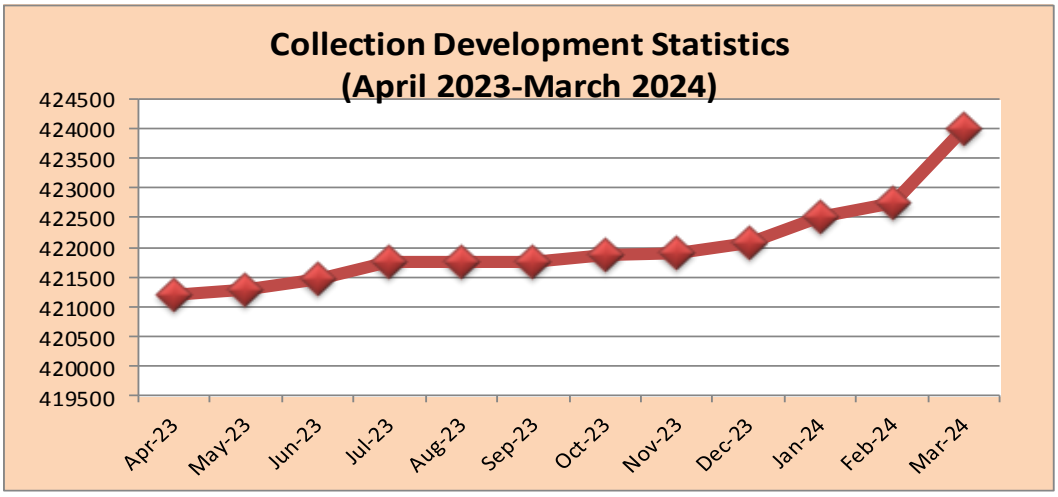
Library Hours

(March—December)

9.00 AM to 9.00 PM on all working days

9.00 AM to 5.00 PM on all Saturdays, Sundays and Holidays

Inside this issue



"The most certain way to succeed is always to try just one more time"- Thomas Edison

Contact us at: *librarian@pau.edu; 0161-2407197* *@msr_library*

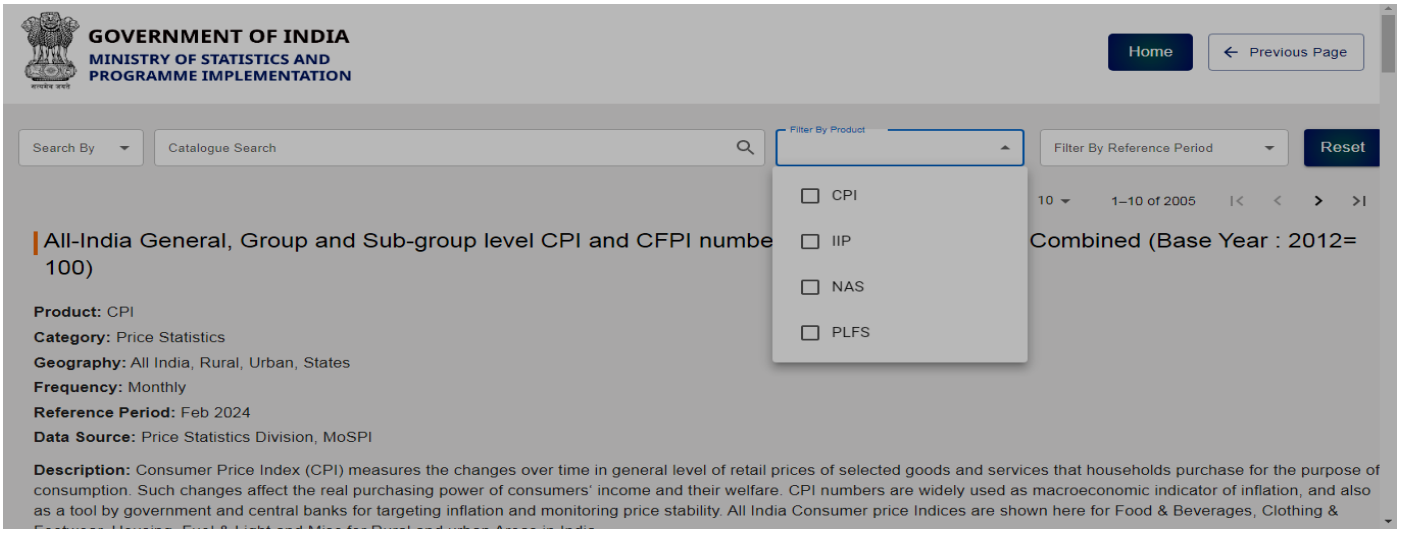
Data Catalogue

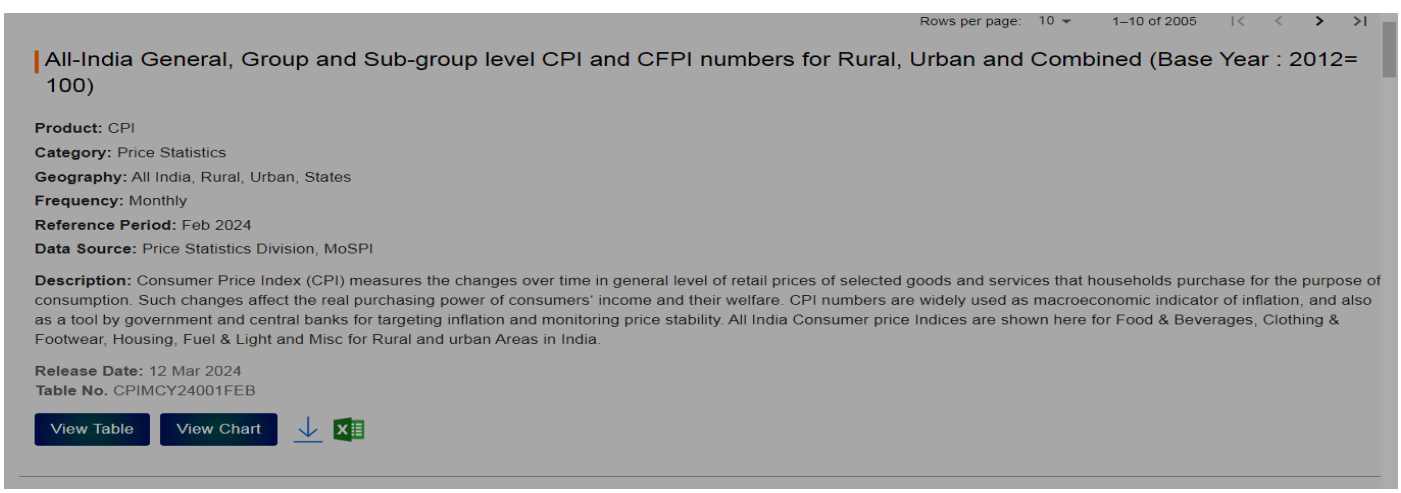
A data catalogue is a detailed inventory of all data assets in an organization, designed to help data professionals quickly find the most appropriate data for any analytical or business purpose.*

It is a single point of access to all publicly available datasets of the ministry of Statistics and Programme Implementation, Govt. of India designed to make the datasets easy to find, download and share. At present it is a repository of about 2000 datasets. To access the database follow the steps:

https://esankhyiki.mospi.gov.in/

Find Datasets >>Fill up the required information I>> View or Download



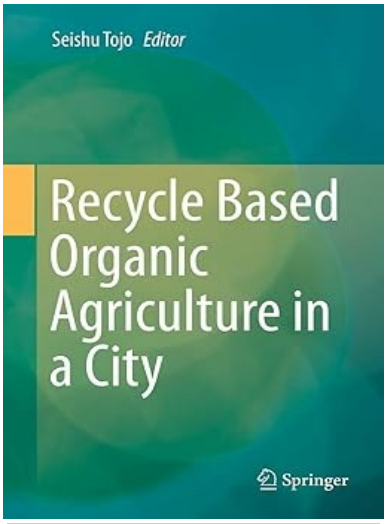


Current Arrivals

Title: Recycle Based Organic Agriculture in a City

Editors: Seishu Tojo

This book highlights the significance of urban agricultural production, the technologies and methods for supplying organic materials to the farmland, recovering plant nutrients and energy in cities, and systems for sustaining farmlands in order to produce agricultural crops and supply safe food to citizens. Focusing on the effective recycling of biomass waste generated in cities for use in organic farming, it discusses alternatives to traditional composting, such as carbonizing organic waste, which not only produces recyclable materials but also converts organic waste into energy. Recycling discarded organic matter appropriately and reusing it as both material and energy is the basis of new urban organic farming, and represents a major challenge for the next generation of urban agriculture. As such, the book presents advanced research findings to facilitate the implementation of safe, organic agricultural production with only a small environmental load.



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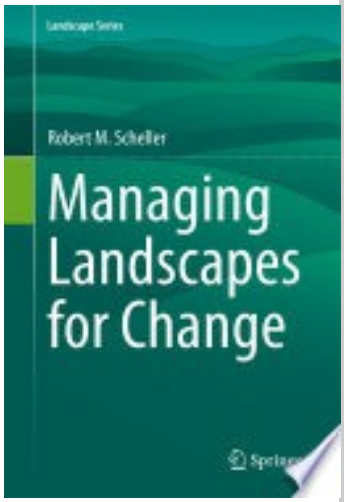

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Title: Managing Landscapes for Change

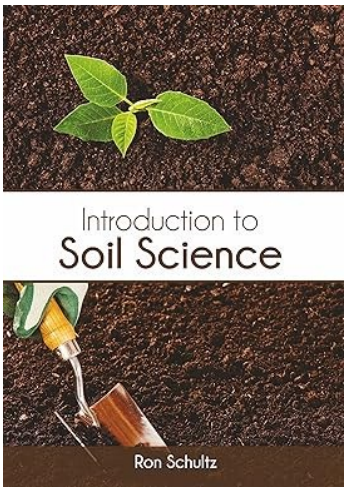
Author: Robert M. Scheller

This book discusses how future landscapes will be shaped by pervasive change and where, when, and how society should manage landscapes for change. Readers will learn about the major anthropogenic drivers of landscape change, including climate change and human induced disturbance regimes, and the unique consequences that multiple and simultaneously occurring change agents can have on landscapes. The author uses landscape trajectories as a guide to selecting the appropriate course of action, and considers how landscape position, inertia, and direction will determine landscape futures. The author introduces the concept of landscapes as socio-technical-ecological systems (STES), which combines ecological and technological influences on future landscape change and the need for society to acknowledge both when considering landscape management. Thinking beyond solutions, the author identifies barriers to managing landscapes for change including the cost, cultural identity of local populations, and the fear of taking action under uncertain conditions. Nevertheless, processes, tools, and technologies exist for overcoming social and ecological barriers to managing landscapes for change, and continued investment in social and scientific infrastructure holds out hope for maintaining our landscape values even as we enter an era of unprecedented change and disruption.

Title: Introduction to Soil Science

Author: Ron Schultz

Soil science is the study of soil, including its formulation, classification and mapping. It examines the physical, biological, chemical and fertility properties of different types of soils available on the earth's surface. Soil science studies such properties concerning the use and management of soils. The two main branches of soil science are pedology and edaphology. Pedology deals with the formation, morphology, chemistry and classification of soil. Edaphology is concerned with the interaction of soil with living things, particularly plants. Some of the areas of study under this discipline include soil genesis, soil morphology, soil microbiology, soil mechanics and agricultural soil science. This textbook explores all the important aspects of soil science in the present day scenario. It elucidates new techniques and their applications in a multidisciplinary approach. The coherent flow of topics, student-friendly language and extensive use of examples make this book an invaluable source of knowledge.



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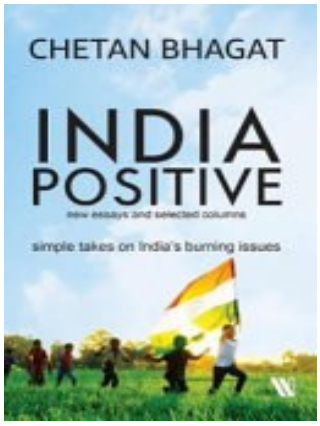
Great Reads



Title: India Positive : New Essays and Selected Columns - Simple Takes on India's Burning Issues

Author: Chetan Bhagat

Does it make any difference to the ordinary citizen which party is in power? Whether its a majority or a coalition? What can we do to better job prospects for Indias youth? How can we create a more equal society? How do we create more world-class educational institutes? What can we do about social media warriors and trolls? In India Positive, bestselling author and columnist Chetan Bhagat brings together essays that work as a manifesto for change. Examining a gamut of subjects from education to employment, from GST to infrastructure, from corruption to casteism.

Call No.: 824 B51I

Bhagat reflects on what we can do right in order to move forward and become a truly modern, progressive country. He expresses in these pages his belief that, if we want to see reform, weas citizensneed to be the solution. If our country is to shine, Bhagat says, we need to stand up and be India Positive Citizens. In a world ridden with negativity, these simply written, perceptive and solution-driven essays are a must-read for anyone invested in the present and future of India.

Title: Launching Success

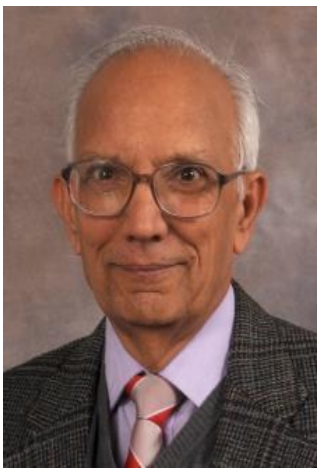
Author: T.S.Chawla

This book is written by a well-renowned senior journalist T.S Chawla. He was nominated in 1974, as a member of the prestigious Press Union of the world, at that time 'Commonwealth Press Union (CPU), London", one year, after Mr Chawla started in 1973, his English monthly journal 'BARRICADE', still going onnearing completion of Golden Jubilee. At that time, hardly fourteen members from India, primarily editor-in-chief of important National Dailies of the country, were nominated members. He established his own printing press andran it for seventeen years. He has the honour of representing important 'National English Daily' papers for thirty years. A famed columnist, he has command over English, Hindi, Punjabi and Urdu. A rare multi-dimensional personality, Mr Chawla has been a member of the 'Film Censor Board' of India. He was president of 'Baseball' sports of the State for a decade.

Call No.: 158 C32L

Winning Happiness is his first book which won accolades the world over. Launching Success is Mr Chawla's second book. An original book written from the heart and mind, it gives us fresh ideas on ways of launching a successful journey in life. He has not consulted any outward source or books but generated fresh ideas by looking inwards and drawing from his vast experience of life. He has mentioned various odds and constraints which come in the way of achieving success and how to conquer them. This book will motivate you to reach not only greater heights in your professional career but also bring happiness and contentment in your life. Written in simple and lucid style, it is extremely easy to comprehend and follow if you are determined to do so. Mr Chawla is confident that if his words are followed by any human being on earth, regardless of his station in life, he will taste success in the truest sense of the word.

Professor Rattan Lal: Eminent Indian-American soil scientist



Prof. Rattan Lal, Ph.D., is a Distinguished University Professor of Soil Science and Director of the CFAES Rattan Lal Center for Carbon Management and Sequestration (Lal Carbon Center) at The Ohio State University (OSU); an Adjunct Professor of the University of Iceland and the Indian Agricultural Research Institute (IARI), India; and a Visiting Professor at Pontifical Catholic University of Valparaíso (PUCV), Chile. Dr. Lal is widely recognized globally as a pioneer in soil-centric agricultural management to improve food security globally and develop climate resilient agriculture through soil carbon sequestration, sustainable intensification, enhancing use efficiency of agro ecosystems, sustainable management of soils, and soil health. Born on September 5th, 1944, in Punjab, India, Rattan Lal completed his education from Punjab Agricultural University, Ludhiana (B.Sc., 1963), Indian Agricultural Research Institute, New Delhi (M.Sc., 1965), and the Ohio State University, Columbus (Ph.D., 1968). He served as Sr. Research Fellow with the University of Sydney, Australia (1968-69), Soil Physicist at IITA, Ibadan, Nigeria (1969-87), and Professor of Soil Science at OSU (1987-to date).

He is a fellow of the American Society of Agronomy (ASA, 1985), Soil Science Society of America (SSSA, 1986), Third World Academy of Sciences (1992), American Association for the Advancement of Sciences (1996), Soil and Water Conservation Society (SWCS, 1997), Indian Natl. Academy of Agricultural Sciences (1998), and Rothamsted, U.K. (2013). He received the Hugh Hammond Bennett Award of the SWCS (2005), Borlaug Award (2005), Liebig Award (2006), M.S. Swaminathan Award in India (2009), COMLAND Award in Germany (2009), and the Sustained Achievement Award from the Renewable Natural Resources Foundation (2017). He has also received the Medal of Honor from UIMP, Santander, Spain (2018); the Distinguished Service Award from the International Union of Soil Sciences in Rio, Brazil (2018); as well as the Alumni Medalist Award (2019) and 422nd Commencement Medal (2019) from OSU, Columbus, Ohio, USA. He served as President of the World Association of the Soil and Water Conservation (1987-1990), the International Soil Tillage Research Organization (1988-91), the Soil Science Society of America (2005-2007), and the International Union of Soil Sciences, Vienna, Austria (2017-18). He has served as a member of the Federal Advisory Committee on National Assessment of Climate Change-NCADAC (2010-2014); member Senior Science Advisor to the Global Soil Forum of IASS, Potsdam, Germany (2010-2012); member Steering Committee of the Global Soil Week, IASS, Potsdam, Germany (2012- 2016); member Advisory Board of FACCE-JPI of the European Council (2013-2016); Chair Advisory Committee to UNUFLORES, Dresden, Germany (2013-2019); member of the SPI of UNCCD, Bonn, Germany (2018-2022); and member United Nations Food Systems Summit Science Committee and Action Track 3 (UNFSS) (2021). He is Chair in Soil Science and Goodwill Ambassador for Sustainable Development Issues of the Inter-American Institute for Cooperation on Agriculture (IICA), Costa Rica, San José (2020). He serves as member and Chair of SERDP Scientific Advisory Board of the Department of Defence (2011-2018; 2023-2024), and he was appointed as member to the Board for International Food and Agricultural Development (BIFAD) by President Joe Biden (2022-2025).

He has received honorary degrees of Doctor of Science from Punjab Agricultural University in Ludhiana, India (2001); the Norwegian University of Life Sciences, Ås, Norway (2005); Alecu Russo Balti State University, Moldova (2010); Technical University of Dresden, Germany (2015); University of Lleida, Spain (2017); Gustavus Adolphus College in Saint Peter, Minnesota (2018); Pontifical Catholic University of Valparaíso, Chile (2019); Amity University, Uttar Pradesh, India (2020); and IARI, New Delhi, India (2021).

Professor Lal was a lead author for the IPCC (1998-2000) and was awarded Nobel Peace Prize Certificate by the IPCC in 2007, as well as Global Dryland Champion of the United Nations Convention to Combat Desertification, Bonn, Germany (2013).

He has mentored 125 graduate students, 15 undergraduate honors students, 82 postdoctoral researchers and research scientists, as well as hosted 188 visiting scholars from around the world. He has authored/co-authored more than 3000 research publications overall, including more than 1100 refereed journal articles and 575 book chapters, and he has written 24 books and edited/co-edited 84 books.