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Do you know!

Rice Knowledge Bank

International Rice Research Institute (IRRI) presents information al videos on rice, its harvesting, storage system, measuring quality, varieties etc.

Accessible at
<https://www.youtube.com/playlist?list=PLNowyW0S1hI8Evu5f8i3V-OyamkC9qDHU>

MOHINDER SINGH RANDHAWA LIBRARY PUNJAB AGRICULTURAL UNIVERSITY



From the Desk of the University Librarian

Mohinder Singh Randhawa Library plays a vital role in supporting and furthering the academic and research mission of the University and facilitates creation and dissemination of knowledge.

The Library has added a wide range of print books collection and electronic journals to support learning and research.

I welcome you all to step into the library and explore the rich and valuable resources. Give us a chance to serve you in a better way for your academic excellence.

Yogita Sharma

Interesting Facts

Sunsets only exist because Earth's atmosphere acts as a prism for light. In scientific terms, it's called "scattering". Molecules and particles in the atmosphere (which are more numerous at sunset) scatter short-wavelength violet and blue light away from your eyes, so we can see the other colors on the spectrum, like yellow and orange.

<https://www.ef.com/wwen/blog/language/unbelievable-facts-make-you-seem-cultured/>

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

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“Life is about making an impact, not making an income” - Kevin Krus

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



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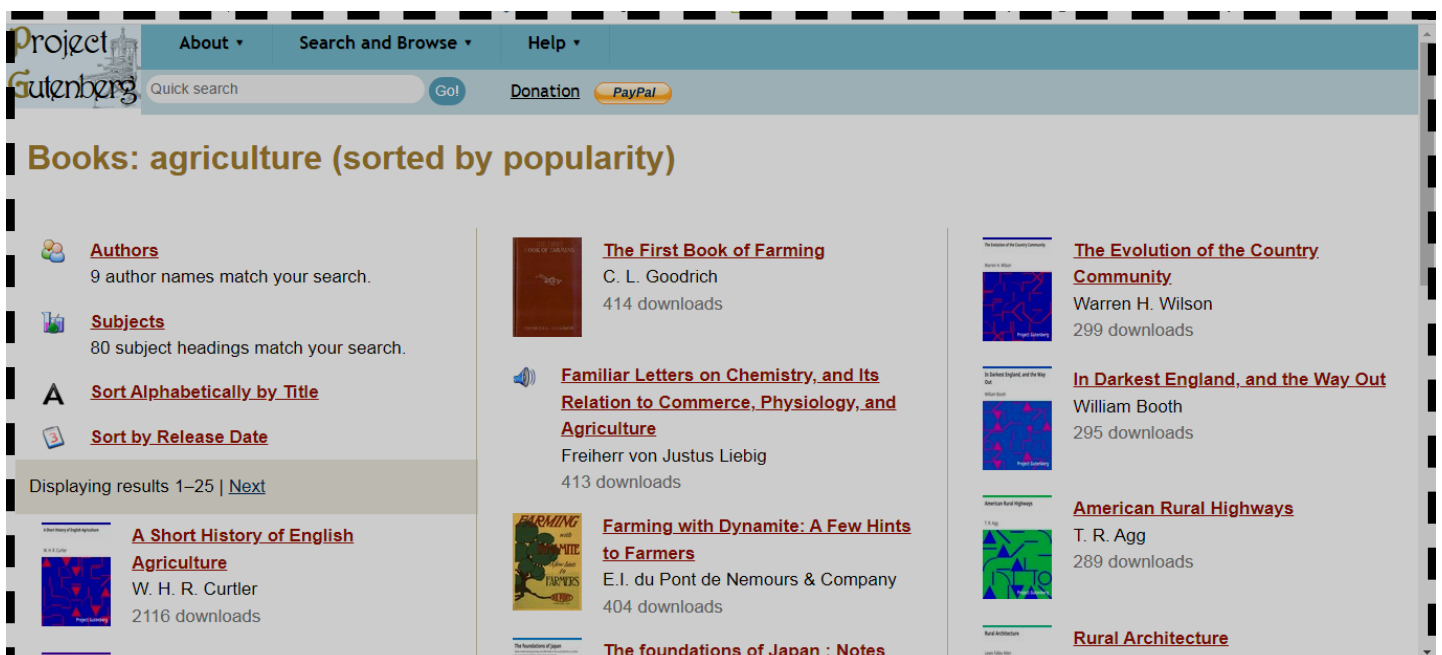
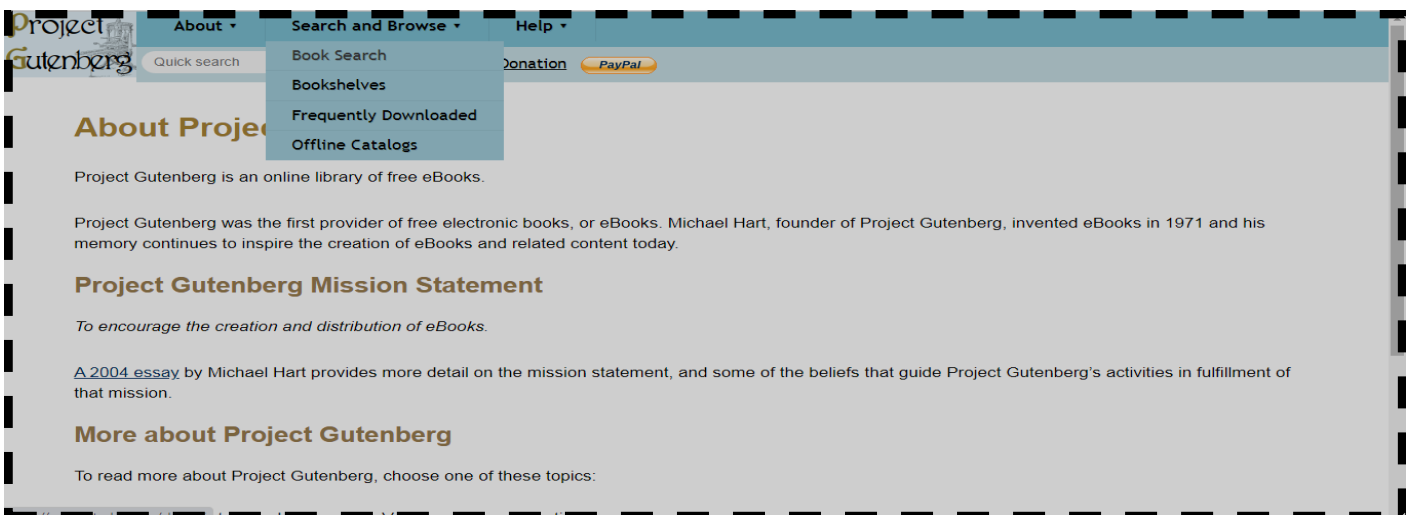
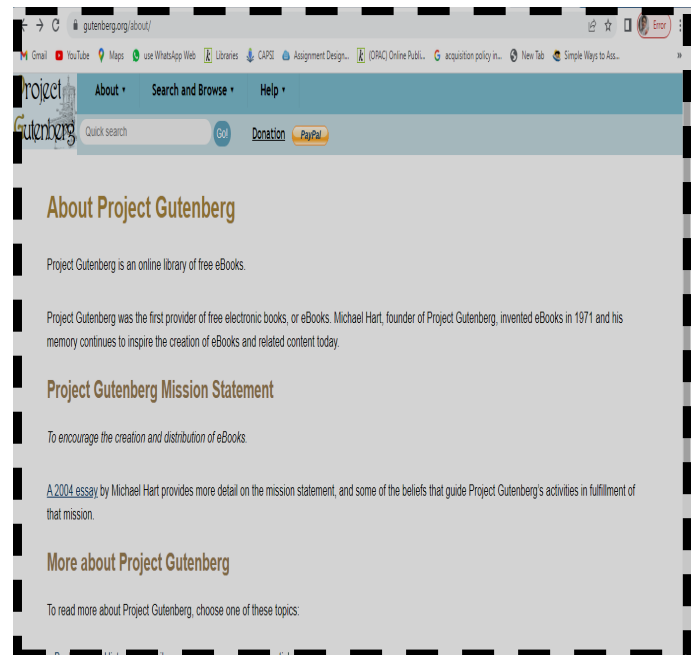
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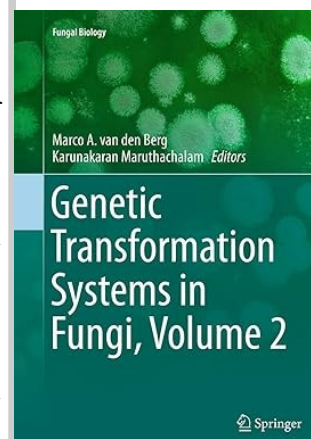


Current Arrivals

Title: Genetic Transformation Systems in Fungi, Volume 2

Editors: Marco A. van den Berg and Karunakaran Maruthachalam

Fungi are an economic very important class of microbes. Not only do they host a range of versatile enzymes used in industrial applications (biofuels, laundry, food processing), as well do they produce several very important pharmaceutical drugs (statins and penicillins). Moreover, fungal pathogens can cause great damage in agricultural production (Phytophthora and Botrytis) and during mammalian infections (Penicillium marneffeii and Candida). Transformation of DNA is used to understand the genetic basis behind these traits. Several different techniques have been developed over the years and readily shown to be decisive methods to improve fungal biotechnology. This book will cover the basics behind the most commonly used transformation methods, as well as associated tools and techniques. Each chapter will provide protocols along with examples to be used in laboratories worldwide.

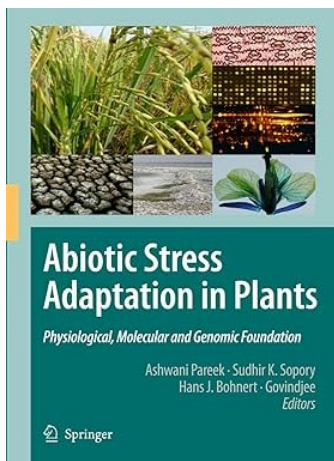


Call No.: 571.8 V20G

Title: Abiotic Stress Adaptation in Plants: Physiological, Molecular and Genomic Foundation

Editors: Ashwani Pareek, S.K. Sopory, Hans J. Bohnert, Govindjee

Environmental insults such as extremes of temperature, extremes of water status as well as deteriorating soil conditions pose major threats to agriculture and food security. Employing contemporary tools and techniques from all branches of science, attempts are being made worldwide to understand how plants respond to abiotic stresses with the aim to help manipulate plant performance that will be better suited to withstand these stresses. This book on abiotic stress attempts to search for possible answers to several basic questions related to plant responses towards abiotic stresses. Presented in this book is a holistic view of the general principles of stress perception, signal transduction and regulation of gene expression. Further, chapters analyse not only model systems but extrapolate interpretations obtained from models to crops. Lastly, discusses how stress-tolerant crop or model plants have been or are being raised through plant breeding and genetic engineering approaches. Twenty three chapters, written by international authorities, integrate molecular details with overall plant structure and physiology, in a text-book style, including key references.

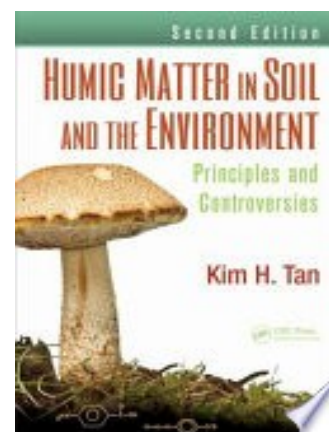


Call No.: 581.1 P15A

Title: Humic Matter in Soil and the Environment: Principles and Controversies

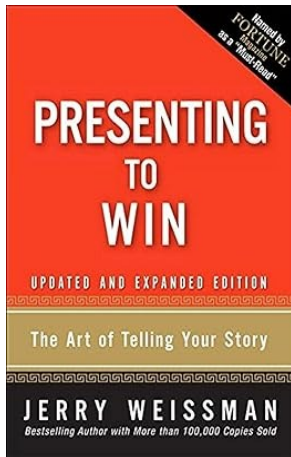
Author: Kim H. Tan

The only book to completely define and explore the genesis, extraction, properties, and impact of humic matter on agriculture, industry, and the environment, Humic Matter in Soil and the Environment delves into the issues and controversies associated with produced and natural humic compounds. It assesses the role of humic substances in medicines, fertilizers, and industrial and pharmaceutical operations, providing characteristic visible light, infrared, ESR, NMR spectra, and electron micrographs for every humic compound. Unparalleled in scope and depth, this reference examines controversies regarding humic matter as a real or false compound and identifies trends and prospects for the future.



Call No.: 631.47 T13H

Great Reads



Call No.: 658.45 W28P

Title: Presenting to Win: the Art of Telling Your Story

Author: Jerry Weissman

In this Edition consultant shows how to connect with even the toughest, most high-level audiences...and move them to action! Jerry Weissman shows presenters of all kinds how to dump those PowerPoint templates once and for all -- and tell compelling stories that focus on what's in it for the audience. Drawing on dozens of real case studies, Weissman shows how to identify your primary goals and messages before you even open PowerPoint; stay focused on what your listeners really care about; and capture your audience in the first crucial 90 seconds. Weissman covers all the practical mechanics of effective presentation: finding your flow...communicating visually...writing better slide text...making your numbers... using graphics...practicing aloud...customizing for different audiences...presenting online...and much more.

This new edition has been updated and redesigned throughout, and includes brand-new information about presenting with the latest technologies. One thing hasn't changed, however: Weissman's easy, step-by-step approach has been proven with billions of dollars on the line, in hundreds of IPO road shows before the world's most jaded investors. Ask his clients, the leaders of the world's greatest companies: Presenting to Win works!

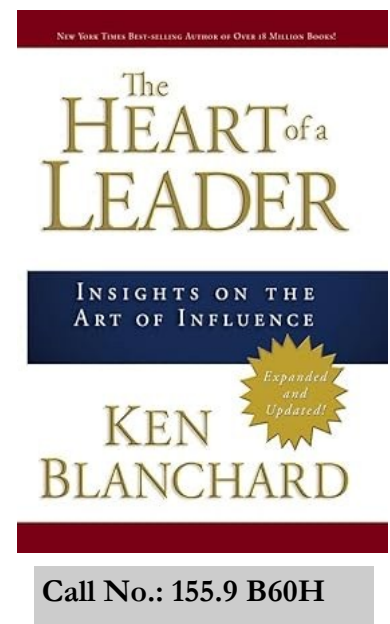
Title: The Heart of a Leader: insights on the Art of Influence

Author: Ken Blanchard

Ken Blanchard is one of America's best-known leadership and business experts. And now he helps you understand and experience the art of influence by revealing the greatest life and leadership lessons he's learned in his rich career as an educator and business leader.

The Heart of a Leader offers Blanchard's insight and wisdom on: Choosing values Aiming for excellence Maintaining integrity Finding the courage to change Helping others reach their potential And much more

This book offers you Blanchard's most important concepts in an accessible format. You can reach for instant motivation and insight on a daily basis or soak it up in one reading.



Call No.: 155.9 B60H

Powerfully challenging and deeply inspiring, The Heart of a Leader will enable you to develop the courageous heart of a true leader. master key attitudes and actions to impact lives around you. and enjoy the profound wisdom that only Ken Blanchard can deliver.

Professor Manjit Singh Kang: Renowned Agricultural scientist

Born on March 3, 1948, Dr. Kang graduated from PAU in 1968, laying the groundwork for his eminent career. He pursued advanced studies at Southern Illinois University before assuming significant roles in American academia, including a professorship at Louisiana State University.

Dr. Kang received his Ph.D. degree in Genetics and Plant Breeding from the University of Missouri-Columbia in 1977. He also earned, in 1977, an M.A. (Botany) degree from Southern Illinois University (SIU)-Carbondale. He received his M.S. (Plant Genetics) degree from SIU-Edwardsville in 1971. He earned a B.Sc. (Agri. & Animal Husbandry) degree with honors from Punjab Agricultural University (PAU), Ludhiana (India) in 1968. He specialized in quantitative genetics as applied to crop improvement. His expertise was widely recognized and he received many prestigious honors and awards from various organizations. He has published 169 refereed journal articles in prestigious international journals, 43 book chapters/ encyclopedia essays, and 136 other technical publications. He has also edited or co-edited and authored or co-authored 15 books.

Dr. Kang served as an Adjunct Professor in the Department of Plant Pathology at Kansas State University, Manhattan until his demise. He served as Vice Chancellor (CEO) of the Punjab Agricultural University (PAU) at Ludhiana (April 2007 to April 2011). He previously served for 21 years as Professor of Quantitative Genetics in the School of Plant, Environmental, and Soil Sciences, Louisiana State University in Baton Rouge (USA). Prior to that, he was a Sugarcane Geneticist (Assistant Professor) with the Institute of Food and Agricultural Sciences (IFAS) at the University of Florida (1981-1986). He acquired industrial experience in hybrid maize breeding when he served as Research Station Manager and Senior Plant Breeder at Cargill, Inc., St. Peter, Minnesota (1977-1979).



TEACHING HONORS

1. **Sedberry Teaching Foundation grant** (Sept. 1991): Gave a talk at the international symposium on genotype-by-environment interaction in tree crops in Kuala Lumpur
2. **USDA/OICD grant** to lecture on Quantitative Genetics at agricultural institution in Hungary (July/Aug. 1992)
3. **Teaching Merit Honor Roll** (in 1997, 1998, 1999, 2001, 2003, and 2007): Awarded by College of Agriculture and Gamma Sigma Delta.
4. **U.S. Fulbright Senior Scholar to Malaysia** (Teaching award: June 1 thru August 31, 1999)

HONORS AND AWARDS

1. Fellow, American Society of Agronomy (1997)
2. Fellow, Crop Science Society of America (1999)
3. Fulbright-Hays Lecturing Award for Malaysia, U.S. Department of State, USIA (1999)
4. South Dakota Crop Improvement Association and SD Agric. Exp. Station Lectureship Award (2005)
5. Sigma Xi Distinguished Lecturer (2007-2009)
6. Honorary Fellow, Punjab Academy of Sciences (2008)
7. Honorary Fellow, Indian Society of Life Sciences (2008)
8. Amity Univ. Academic Excellence Award (2010)
9. Honorary Fellow, Crop Improvement Society of India (2011)
10. S. Bishen Singh Samundri Memorial Lecture Award, Guru Nanak Dev Univ., Amritsar, India (2011)
11. Chairman, Fulbright-Nehru Senior Research Fellowship: US-India Educational Foundation (2010 and 2011)
12. Excellence Award in Agricultural Development: Jain Irrigation and Advisor Publications (November 2013)
13. Conferment of the "Pride of Punjab" award by Chief Minister of Punjab (2018)
14. 'Sri Guru Nanak Dev Ji Achievers Award' by the Punjab Government, during the celebration of 550th Birthday of Sri Guru Nanak Dev Ji.
15. Honorary Fellow, Plant Research Society (2022)

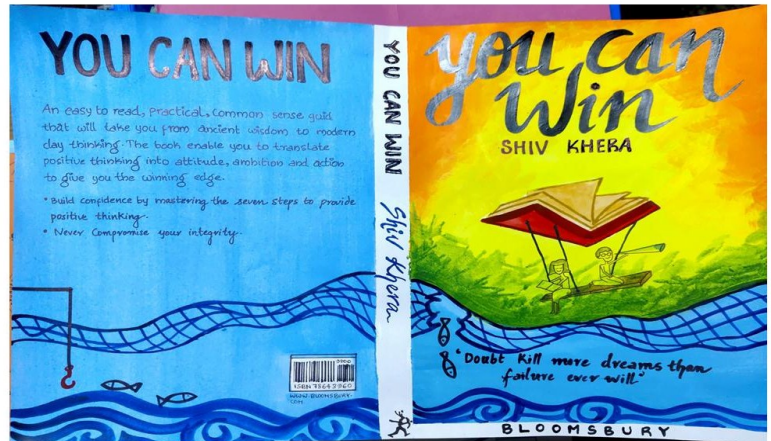
World Book Day - Highlights

M.S.Randhawa Library, PAU celebrated World book Day on 29th April, 2024. During this event a competition of PAU students on book cover designing was organized. Total of 17 students participated in the competition. Prizes were given to first, second and third position. Dr.S.S.Gosal, Vice-Chancellor, was the Chief-guest of this function, Dr.G.S.Miglani, retired Professor of Genetics an eminent writer was the Guest of Honour. Dr.Sandeep Sharma, District Language Officer, was the guest speaker during this occasion. Dr.Rishipal Singh, IAS and other officers of the University also participated in this function. Through this event students were encouraged to read books in this age of electronic era.

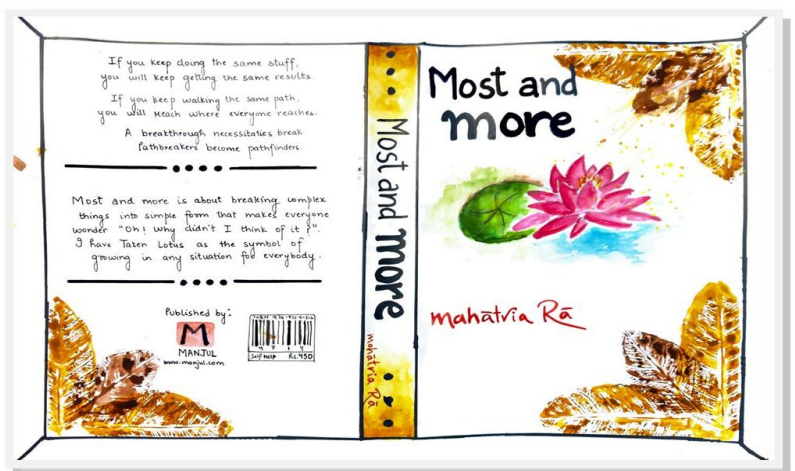


BOOK COVER DESIGNING COMPETITION

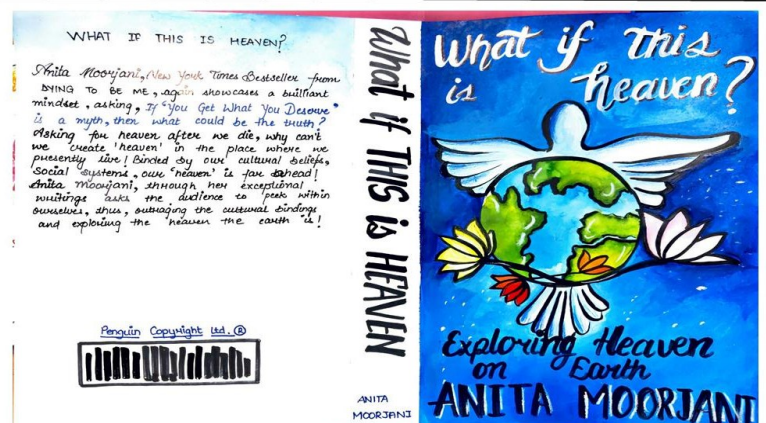
APRIL 29, 2024



First Prize: M/s Anamika K.



Second Prize: M/s Jhanvi Sandal



Third Prize: M/s Gurleen Kaur

