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2015 marks the beginning of the UN Decade of Sustainable Development. Sustainable development involves the incorporation of ecological principles in technology development and dissemination. It is in this context that the present book by Ms Megha Aggarwal is a timely contribution. The book covers a wide range of information dealing with agriculture, energy, engineering, medicine, architecture, finance, and environmental management. It should help the young students to become the architects of a sustainable future for our country. I hope the book will be read and used widely. – MS SWAMINATHAN Father of the Indian Green Revolution

As India gradually moves towards a “green” economy, new avenues of employment are opening up for today’s youth. For students thinking about future course and career options, this one-of-its-kind handbook offers a rich body of information required to turn a green interest into a future opportunity. From environmental engineering, environmental science, and environmental law to agriculture, climate science, and zoology – it profiles a range of undergraduate and postgraduate courses, and the broad spectrum of careers they lead to. Peppared with anecdotal accounts from well-known professionals and a handy listing of useful resources, *The Green Guide to Environmental Courses and Careers* is a must-have for any student keen on harnessing a green passion. The book is a timely contribution.... It should help the young students to become the architects

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of a sustainable future for our country. – MS
Swaminathan

A Text Book of Immunology Academic
Publishers Proceedings of the Indian Science
Congress Who is Who in Indian Science 1969 Alexander
Doweld Proceedings of the Session Calcutta
Review Information Resources in Toxicology Academic
Press

History: -- K.D. Watson, P. Wexler, and J. Everitt. --
Highlights in the History of Toxicology. -- Selected
References in the History of Toxicology. -- A Historical
Perspective of Toxicology Information Systems. -- Books
and Special Documents: -- G.L. Kennedy, Jr., P. Wexler,
N.S. Selzer, and L.A. Malley. -- General Texts. --
Analytical Toxicology. -- Animals in Research. --
Biomonitoring/Biomarkers. -- Biotechnology. -- Biotoxins.
-- Cancer. -- Chemical Compendia. --
Chemical--Cosmetics and Other Consumer. -- Products.
-- Chemical--Drugs. -- Chemical--Dust and Fibers. --
Chemical--Metals. -- Chemicals--Pesticides --
Chemicals--Solvents. -- Chemical--Selected Chemicals.
-- Clinical Toxicology. -- Developmental and
Reproductive Toxicology. -- Environmental
Toxicology--General. -- Environmental Toxicology--
Aquatic. -- Environmental Toxicology--Atmospheric. --
Environmental Toxicology--Hazardous Waste. --
Environmental Toxicology--Terrestrial. -- Environmental
Toxicology--Wildlife. -- Ep ...

This book is part of a two-volume set that offers an
innovative approach towards developing methods and
tools for assigning conservation categories of threatened

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taxa and their conservation strategies by way of different phases of eco-restoration in the context of freshwater river systems of tropical bio-geographic zones. The set provides a considerable volume of research on the biodiversity component of river ecosystems, seasonal dynamics of physical chemical parameters, geo-hydrological properties, types, sources and modes of action of different types of pollution, river restoration strategies and methodologies for the ongoing ecological changes of river ecosystems. Volume 2 highlights biodiversity potential in aiding the resistance and resilience of riverine ecosystem functioning and their synergistic effects on ongoing environmental perturbations. Comprehensive information on the conservation of river-associated-wildlife is provided, covering the impacts of pollution, land-use changes, river policies, and ecosystem restoration strategies. The book offers an innovative approach towards developing methods and tools for assigning conservation categories of threatened taxa, and covers their conservation strategies by way of different phases of eco-restoration in the context of freshwater river systems of tropical bio-geographic zones.

Of how many books can it be said that their publication directly affected the personal wellbeing of every person on the earth? No doubt, many books have been written which have changed the outlook of millions, altered social institutions, and even deflected the course of history, but of very few can it be said that their contents concerned the very

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central core of the construction of that rare amongst rarest of human morphs – the scientist – whom the entire humanity owes virtually everything, from good living conditions including clothes, drinking water, food, hygiene and health to clean environment. This book is all about the virtues that make a scientist. It is certainly not an easy task to define a scientist but for the characteristic that he is maddeningly obsessed with the prospects of achieving his objective under the severest of personal and professional stumbling blocks! Beforehand, thus, he visualises the entire scenario of his undertakings without actually physically seeing & that is what makes him different from a man of ordinary mould: Wise haveth their eyes, in the head; Fools waketh through forest, & see no firewood! I hope that this book, unique in its approach and treatment on the subject, and written with a view to ignite the young minds to develop habits of perseverance and dedication, so that a stronger future of India could be constructed.

“Perspectives in Inflammation Biology” outlines detailed studies using preclinical murine models in Inflammation. The book is meant for academicians, industry persons, research scholars and students alike. The detailed perspective for a beginner and the exhaustive methodologies and analyses outlined, for the veteran researcher, makes this book a unique link between someone who is thinking of embarking

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on a study of inflammation and one who is delving deep into this area of specialization. The book deals with asthma and allergy as specific disease areas of inflammation of the lung, aseptic peritonitis as a disease of systemic inflammation and details how each role player in its pathophysiology has a unique niche of activity. Data acquisition, sequentiality and analyses in context demonstrate how each role player is validated systematically to become a target for drug discovery. Methods and models used in the course of my work and their relevance will demonstrate to the researcher how a study can be developed from an idea. Further into a researcher's ongoing work, this book is meant to stimulate new questions and pave ways for better dissection of a phenomenon. The highlights of this book are the detailed tables tabulating sub species of immune cells, their inflammatory recruitment indices, their translation into tissue-to-tissue traffic of the inflammatory stimulus and the delicate interplay of resident structural cells, cells recruited from circulation, their feedback poiesis in bone marrow, their instruction in the lymphoid organs and tissues as well as the non-cellular mediators synthesized from corresponding genetic instruction. The book shall definitely help students and researchers how a disease can be simplified from its complex ramifications and network of implications and put back into perspective and the whole thing falls into

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place without an intimate understanding of the mechanism and the compelling circumstances that causes a disease, a drug hunter cannot hope to begin her quest. To find the “Achilles’ heel” and effectively neutralize the enemy!

PESTS OF FOREST IMPORTANCE AND THEIR MANAGEMENT is a unique book comprising all the major components of a sylvatic ecosystem from the standpoint of pests of economic importance and their control using both conventional and modern applications. The book is a compilation of 15 specialist articles woven around the central theme of the objective envisaging a variety of forest arthropod pests including both insects and arachnids as well as vertebrates. The book, written in a lucid and clearly comprehensible style, consists of closely knitted articles on taxonomy, biology, economic forestry, ecology, biogeography, prevention and control of the forest products from the pest attack, which all make an interesting reading and will hopefully serve a good purpose of a reference work for both a serious researcher and the amateur naïve enthusiast.

The Invincible Deadly Mosquitoes is a book with a difference, written in clear, simple and lucid language, and directed both at professional as well as amateur readership. The book is in fact a tribute to all those great entomologists and doctors, exemplified by a few chosen biographical sketches, who relentlessly worked arduously through all thick

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and thin to stem out the menace called mosquito. The dangers levied on humans by this tiny creature are too many, from irritating and painful bites to transmitting debilitating and deadly infections like malaria, filariasis, dengue, yellow fever and many types of encephalitides, many of which persistently occur in India. Mosquitoes, and the incapacitating diseases they transmit, have for long been considered to sap off individual's and the country's most vital resource, the blood, and, in the process, lend intellectual impoverishment on its people. The book, organized into fourteen chapters dealing with detailed morphology, taxonomy, feeding behaviour and control aspects, tells it all in the most straight forward manner, added with simple and comprehensible data projections. Mosquito, man's deadliest enemy on earth, in terms of both health and economy, is only getting mightier despite all our efforts to control it in past, and has now advanced to pose an inevitable threat to his successful survival. As biological entity, chronologically older and far too greatly seasoned, mosquito appears to be invincible if only targeted for a complete annihilation. Co-existence of both mosquito and man, without allowing the former to vex the latter, has to be designed by the more wiser one the homo sapiens. This book a unique experiment - thus offers a novel stimulus behind the mosquito saga and should hopefully serve country's medical entomologists a

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great deal in comprehending the real strengths and weaknesses of his *bête noire*, the mosquito.

The purpose of this book is to introduce you to the wide open world of opportunities after for students who are still at school and for young adults who are in colleges or in training for further education and professional skills.

The Most Authentic Source Of Information On Higher Education In India The Handbook Of Universities, Deemed Universities, Colleges, Private Universities And Prominent Educational & Research Institutions Provides Much Needed Information On Degree And Diploma Awarding Universities And Institutions Of National Importance That Impart General, Technical And Professional Education In India. Although Another Directory Of Similar Nature Is Available In The Market, The Distinct Feature Of The Present Handbook, That Makes It One Of Its Kind, Is That It Also Includes Entries And Details Of The Private Universities Functioning Across The Country. In This Handbook, The Universities Have Been Listed In An Alphabetical Order. This Facilitates Easy Location Of Their Names. In Addition To The Brief History Of These Universities, The Present Handbook Provides The Names Of Their Vice-Chancellor, Professors And Readers As Well As Their Faculties And Departments. It Also Acquaints The Readers With The Various Courses Of Studies Offered By Each University. It Is Hoped That The Handbook In Its Present Form, Will Prove Immensely Helpful To The Aspiring Students In Choosing The Best Educational Institution For Their Career Enhancement. In Addition, It Will Also Prove Very Useful For The Publishers In Mailing Their Publicity Materials. Even The Suppliers Of Equipment And Services Required By These Educational Institutions Will Find It Highly Valuable.

This book is part of a two-volume set that offers an innovative

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approach towards developing methods and tools for assigning conservation categories of threatened taxa and their conservation strategies by way of different phases of eco-restoration in the context of freshwater river systems of tropical bio-geographic zones. The set provides a considerable volume of research on the biodiversity component of river ecosystems, seasonal dynamics of physical chemical parameters, geo-hydrological properties, types, sources and modes of action of different types of pollution, river restoration strategies and methodologies for the ongoing ecological changes of river ecosystems. Volume 1 provides an in-depth analysis of different theories with international relevance pertaining to the functioning of river ecosystems, shaping their structure and contributing ecological services, and includes the principles of riverine ecology such as biogeochemical cycles, physiography, hydrogeology, and physico-chemical parameters. It covers the basic concepts and principles of water within riverine ecosystems, and the underlying ecological principles operating to ensure ecological stability and sustainability of the fluvial ecosystem. The book explains the ecofunctionality of different geo-morphological, geo-hydrological and physico-chemical factors and processes in changing time scales and spaces, with special emphasis on the tropical fresh water rivers in India.

Sustainability Matters is a compilation of some of the best research papers by students from the National University of Singapore's multi-disciplinary and inter-disciplinary graduate programme in environmental studies, the M.Sc. in Environmental Management [MEM]. This collection is for the period 2012/2013 and 2013/2014. Entitled Sustainability Matters: Environmental and Climate Changes in the Asia-Pacific, this is the fifth compilation by the programme, and comprises 18 of the best research papers completed during

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this period. The papers have been edited for brevity. They analyse the many challenges to effective environmental management covering countries including Bangladesh, Hong Kong, India, Malaysia, Philippines, Singapore and the US. Issues examined include biodiversity conservation, environmental impact assessments, energy, food security, sustainable business practices, public housing, environmental education, and climate change. The first compilation, *Sustainability Matters: Environmental Management in Asia* was published in 2010 (World Scientific) and comprised the best papers from 2001/2002 to 2006/2007. The second, *Sustainability Matters: Challenges and Opportunities in Environmental Management in Asia* was published in 2011 (Pearson), and comprised the best papers from 2007/2008 and 2008/2009. The third and fourth compilations (World Scientific) comprised the best papers from the period 2009/2010 to 2011/2012. The papers are edited by five staff members from different disciplines in the MEM programme: Lye Lin-Heng, Victor R Savage, Kua Harn-Wei, Chou Loke-Ming and Tan Puay-Yok. Contents: Preface and Acknowledgements, Lye Lin-Heng, Chair, MEM Message from Goh Swee-Chen, Chairperson, Shell Companies in Singapore Message from Tommy Koh, Chairman, MEM Advisory Committee, NUS Message from Heng Chye-Kiang, Dean, School of Design and Environment, NUS About the Authors About the Supervisors and Editors Introduction: Environmental and Climate Changes in Asia: Lessons in history and game changers in economics, politics and scientific research (Victor R Savage, Lye Lin-Heng, Kua Harn-Wei, Chou Loke-Ming & Tan Puay-Yok) Biodiversity: Understanding Harmful Algal Bloom (HAB) Occurrences in Manila Bay, Philippines (Rosa Celia Poquita-Du & Peter Alan Todd) CITES Legislative Implementation: Lessons from and for ASEAN Member States (Denise

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Cheong & Lye Lin-Heng)Environmental Management:Assessment of Protection against Sea Level Rise: A Case Study of a Coastal Area in Singapore (Efsthios Giannouostas and Jesuthason Thampapillai)Water Scarcity to Water Security: How Can Asian Cities Achieve a Sustainable Transition? (Maitreyee Mukherjee, Dennis Wichelns & Namrata Ravindra Chindarkar)Plastic Bags in Singapore: A Critical Examination of Issues in Sustainability (Marra Lin Teasdale-Hensby & Lye Lin-Heng)Environmental Impact Assessment Laws of Malaysia and Hong Kong: Lessons for Singapore (Nidhi Mehra & Lye Lin-Heng)Singapore's Fresh Pork Supply: Food Security and Environmental Impacts (Lim Chien-Fang & Victor R Savage)Green Business:Sustainable & Responsible: The New Face of Indian Businesses (Himadri Mahajan & Audrey Chia)Effectiveness of Sustainable Business Practices: Case Studies of Ready-Made Garment Companies of Bangladesh (Tayef Quader & Audrey Chia)Integrated Policy Design Through Life Cycle Sustainability Assessment: A Case Study of Cotton Garments (LCSA Of Cotton T-Shirt) (Thida Tun & Kua Harn-Wei)Sustainability Issues and Strategies of Biofuel Development in Southeast Asia (Mallika d/o Naguran)Urban Studies:Energy Efficiency in Affordable Housing: Can It Work for Independent Rental Owners (Julia Emerson & George Ofori)The Potential and Benefits of an Incentive System to Promote Environmentally Friendly Behaviour in Residents of HDB Flats (Koh Kai-Jie & Grace K M Wong)A Review of Environmental Education in Singapore — Towards a Change in Approach (Ang Guorong Albert & Audrey Chia)Environmental Literacy among Secondary Three Students in a Singapore Secondary School (Loo Hui-Min & Harvey Neo)Climate Change:Possible Market Mechanisms for the Post-Kyoto Regime (Ellen May Zanoria Reynes)Past and Contemporary Proposals on Differentiation and Equity:

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Shaping the 2015 Climate Agreement (Melissa Low & Lim Lei-Theng) Mitigating the Environmental Impact of Aircraft Emissions through an Economic Theory — The Endowment Effect (Zhang Qiang) Readership: Graduate students, academics and researchers in environmental management/science. Keywords: Environment; Management; Sustainability; Asia; Corporate Environmental Management; Biodiversity and Planning; Marine Environment; Environment and Economic Development; Energy Sustainability; Renewable Energy; Urban Pollution and Waste Management; Sustainable Infrastructure; Transportation; Recycling; Urban Studies; Green Business

Ocular transporters and receptors contains detailed descriptions of major transporters and receptors expressed in the eye, with special emphasis on their role in drug delivery. The complex anatomy and the existence of multiple barriers in the eye pose a considerable challenge to successful drug delivery to the eye. Hence ocular transporters and receptors are important targets for drug delivery. A significant advancement has been made in the field of ocular transport research and their role in drug delivery. In this book the cutting edge research being carried out in this field is compiled and summarized. The book focuses on key areas, including the anatomy and physiology of the eye, biology of ocular transporters and receptors, techniques in characterization of transporters and receptors, transporters and receptors in the anterior and posterior segment in the eye, the role of ocular transporters and receptors in drug delivery, and transporter-metabolism interplay in the eye. Highly focused on ocular

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transporters Most up-to-date research compilation
Detailed description of role of transporters and receptors
in ocular drug discovery and delivery

The title 'Glioma - Exploring Its Biology and Practical Relevance' is indicative of its content. This volume contains 21 chapters basically intended to explore glioma biology and discussing the experimental model systems for the purpose. It is hoped that the present volume will provide supportive and relevant awareness and understanding on the fundamental advances of the subject to the professionals from any sphere interested about glioma.

Unit I : Animal Diversity-I (Non Chordate :Lower & Higher) Part A : Lower Non-Chordates (Invertebrates)
Part B: Higher Non-Chordate Unit-ii : Cell Biology & Biochemistry Unit-iii : Genetics

With reference to India; contributed articles.

Entomology in the Doon Valley (Garhwal Region) is a unique journey into annals of the country's most fascinating and highly entomofauna rich habitat – the Dehra Dun or the Doon Valley, tucked in the cosy climate of the foothills of the lower Himalayan region.

Notwithstanding an unprecedented quantum of fragmented information available on the insects of the Doon Valley, courtesy various different long term research programmes carried out at the three major research institutions, viz., the Forest Research Institute & Colleges, the Zoological Survey of India and The Dayanand Anglo Vedic (PG) College, all located in Dehra Dun, yet no single entomological treatise detailing all the insect orders, supported by relevant local

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references, was ever offered to have a firsthand knowledge on the Doon Valley's buoyant research tradition. For the first time, therefore, the present treatment comes forward to satiate a nature-lover's desire to know completely about their own insect fauna. Besides offering an uncanny history of research, along with a string of researchers and institutions engaged in entomological research in the Doon Valley, the book describes entomologic characteristics of all the 32 Orders of Class Insecta, with emphasis on research contributions on the local and endemic fauna. To facilitate our understanding, the book offers as an example inventories of the extant taxa of a couple of orders and, still more importantly, bio-bibliographies of a few Doon Valley entomologists, as inspirational life stories for the beginners. The Book, written in a lucid language, will surely serve a good purpose for both the undergraduates, postgraduates and research scholars engaged in insect research, on one hand, and the professional entomologists not only from the Grahwal region but also across the country and beyond, on the other.

This book discusses the Indian scenario concerning dust allergy, presenting case studies that reveal the practical aspects of allergies. A gradual increase in the incidence and prevalence of different allergic manifestations has been reported from various parts of the world including several developing countries like India, where the problem has recently surfaced due to the unplanned urbanization, rapid industrialization, metamorphic changes in the environment, and increased air pollution,

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as well as changes in life style, particularly the adoption of Western life styles and eating habits in the name of so-called modern living. The book is divided into the following chapters: Allergy – what is it?, Allergy – Fact File; Possible allergens in our surroundings; Mechanism of allergic reaction; House dust allergy – an environmental enigma ; The mighty mites; Dermatophagoides – the potent indoor allergen ; Dust mite allergy – evaluation procedure; House dust allergy – an Indian perspective ; House dust allergy in Kolkata – a case study; Allergy & heredity; Allergic manifestations; Diagnostic procedures; and Treatment & prevention. "The Escapeds" an anthology is culmination of stories with all emotions in forms where they talk about a road unnoticed. We always try to choose the easy options or the path. Nowadays we have build a wall around us where we fail to trust ourselves. We somehow shape our life in such easy roads that we forget life is all about exploring and finding the real essence. You have heard it zillion of time "We have one life and make it the best." But in the course of time we fail to implement it. The book talks about stories of various forms to encounter through imagination and words of such instances when given the only option to choose an unknown road or a choice less choosed. As rightly said, sometimes better things comes along unexpected!

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