

图书基本信息

书名:<<硒>>

13位ISBN编号:9787312029295

10位ISBN编号: 7312029299

出版时间:2011-10

出版时间:中国科学技术大学出版社

作者:(美)巴纽区洛斯 等主编

页数:128

版权说明:本站所提供下载的PDF图书仅提供预览和简介,请支持正版图书。

更多资源请访问:http://www.tushu007.com



内容概要

《硒:对人、动物和环境影响的全球展望》收录的论文研究涉及天然来源中硒的土壤环境,国家最先进的分析技术鉴定不同品种的硒,环境污染和修复问题,硒在人类和动物健康影响,生化和硒代谢作用,以及硒对农产品发展的影响等。

各国知名科学家针对硒对人类健康、环境影响做了大量研究工作,提出了新的见解。



书籍目录

Section I: Selenium in the Environment

Selenium in Soils and the Need for Biofortification of Crops

McGrath S P and Zhao F J

Sources and Transformations of Selenium in the Soil-plant System

Dhillon K S

Effect of Flood-Induced Redox Oscillationsron Selenium Mobility

in Soils

Charlet L, Parsons C, Bardelli F, Fernandez-Martinez, A and R

ossetto L,

Stable Isotope Ratios in Soils: A New Tool to Detect Processes

Governing the Selenium Cycle

Schilling K, Johnson T M and Wilcke W

Biogenic Volatilization of Selenium in Soil and Plant Systems

Lin Z.-Q.

Crisis in the Salton Sea Ecosystem: Removing Selenium from River

Water

Huang J C, Verce M, Feldheim C and Terry iV

Selenium Removal from Water by Selected Terrestrial and Wetland

Plants

Wu Z L, Wang Q, Zhang Y, Hua R M,, Li X D, Si Y B and Li M

Selenite Reduction by Bacteria Isolated from a Selenium-enriched

Carbonaceous Mudstone

Yuan Y Q, Zhu J M and Liu C Q

Synchrotron Studies of Selenium in the Environment and Health

Picketing I J, Gallegos M G, Tse J J, Yang S I and George G N

Total Selenium Content and Main Speciation in Residues from

China's Electrolytic Manganese Metal

Industry

Duan N, Zhu C L, Jiang L H, Zhou C B, Wang F, Pan C X, Dan Z G,

Gao Y X and Li B

Cleaner Production Technologies to Reduce Selenium Environmental

Pollution in Electrolytic Manganese

Industries

Jiang L H, Duan N, Luo L, Wang Y Y and Zhao C G

Investigations of Possible Mechanisms to Explain the Se-Hg

Antagonism in Aquatic Organisms

Belzile N, Chen Y W, Truong H T Y, Yang D Y and Saleh M

Selenium's Pivotal Role in Molecular Mechanisms of Mercury

Toxicity

Ralston N V C and Raymond L J

Section II: Effects of Selenium on Human and Animal Health

The Importance of Selenoprotein P and Selenium Homeostasis for

Maintaining Integrity and Function of

the Brain and Other Tissues

Burk R F and Hill K E



Forms of Selenium and Selenoproteins in Foods for Consumption by

Humans

Akesson B

Role of Structure and Substitution on the Anfioxidant Activity of Organoselenium Compounds

Singh B G, Prabhu P, Kumakura F,, Jain V K, Iwaoka M and

Priyadarsini K I

Chemistry, Biochemistry and Structural Biology of Selenium

Nucleic Acids

Huang Z

Expression, Purification and Characterization of Selenoprotein M Mutant

Du XB, Chen P, Li HP, Liu Q and Ni JZ

Selenium Effects on Thyroid Hormone Metabolism and Action

Lutz Schomburg

In Vitro Assessment of Selenium Transformations in the Human

Gastrointestinal Ecosystem

Lavu R V S, Van de Wiele T, Van den Broeck K, Tack F and Laing G

Selenium and Taurine: Components of Functional Food for Sound Health

Gupta R C

Daily Dietary Selenium Intake and Hair Selenium in High Selenium Areas of Enshi, China

Huang Y, Wang Q X and Yin X B

Association of Single-nucleotide Polymorphism in Glutathione

Peroxidase 1 Gene with Kashin-Beck

Disease

Fu Q, Cao J L, Caterson B, Jordan J M, Renner J B, Duance V C and Kraus V B

Effects of DON, NIV, T-2 Toxin and Selenium on Integrins,

Cytoskeleton Proteins of Chondrocytes, and

Sulfate Modification of Cartilage Aggrecan

Cao J L, Wang J L, Li J, Luo M X, Chen J H, Fu Q, Zhang Z T and Caterson B

The Effectiveness of Selenium against Kaschin-Beck Disease: A Case Study in Aba County, Sichuan

Province

Lv Y Y, Yu T, Yang Z E Zhao W F, Guo W, Huang B M and Li P Effect of Yeast Selenium on CD4T Cell Count and WAZ Score of

Non-institutionalized HIV Type 1

Positive Orphan Children at Orongo Widows and Orphans in Kisumu,

Otieno SB, Were F,, Afullo A and Waza K

Associations of Serum Selenium with Serum Lipid Levels in the

Population Aged, 50 to 75 Years

Wang B, Qin L Q, Yin X B, Ma L C, Lu X Q and Shen J



Selenium Supplement and Glutathione Peroxidase Activities in

Infants: A Meta-analysis of Randomized

Controlled Trials

Jiang X and Qin L Q

Effect of Selenium on the Methylation of iAs3+ of Recombinant

Human S-adenosyl-L-methionine Dependent

Arsenic (III) Methyltransferase in E. coli

Geng ZR, Li XL, Song XL and Wang ZL

Dietary Biofortification of Gestating Animal Diets with Natural

Sources of Selenium: Whole Animal and

Specific Tissue Responses

Caton J S

Strategic Selenium Management: Natural Biofortification of

Grazing Livestock with Selenium to

Avert Selenium Deficiency and Enhance the Nutritional Value of

Food Products

Taylor J B

Evaluation of the Selenium Concentrations in Compound Pig Feeds

in Finland

Kukkonen L, Root T and Peltonen K

Novel Fermentation Technology for Production of Selenium

Nanospheres (Lactomicrosel) and Its

Testing for Feed and Food Applications

Prokisch J, Sztrik A, Babka B, Eszenyi P, Pardi J, Mika Z and

Zommara M

Effects of Organic Selenium on Pig Performance: A Meta-analysis

Zheng Q, Lu X Q, Qin L Q and Yin X B

Where could Increased Dietary Selenium Intake Improve Public

Health?

Lyons G H

Section III: Selenium Biofortification

Biological Production of Selenium-biofortified Products from

Natural-occurring Sources of Selenium

Gary S. Bahuelos

Agronomic Biofortification of Maize with Selenium in Malawi

Broadley MR, Chilimba A D C, Young S D, Black C R, Meacham M C,

Rogerson K B, Lammel J, Ander E L

and Watts M J

The Fate of Applied Selenium in a Maize Cropping System in Malawi Chilimba A D C, Young S D, Black C R, Meacham M C, Lammel J and

Broadley M R

Uptake of Selenate and/or Selenite in Hydroponically Grown Maize

Plants and Interaction with Some

Essential Elements (Calcium, Magnesium, Zinc, Iron, Manganese, and Copper)

Longchamp M, Angeli N and Castrec-Rouelle M

Selenium Speciation, Fractionation in Soil and Accumulation in



Corn (Zea mays L.)

Liang D L and Wang S S

Effects of pH on Physiological Characteristics of Selenite Uptake by Maize Roots

Zhang L H, Yu F Y Li Y J and Miao Y F

Evaluation of Potential Selenium Biofortification in Wheat

Li T, Lan G F and Gu S L

The Temporal Changes of Selenium Accumulation in Rice Plant

Guan W W, Zhang H C, Yin X B, Lin Z-Q. and Shen S P

Physiological Characteristics of Selenite Uptake by Rice Leaves

Zhang L 11, Zhao W, Yu F Y, Li Y J and Miao Y F

Genotypic Upland Rice Variation and Response of Nitrogen

Metabolism Enzymes due to Selenium

Fertilization

Reis AR, Tezotto T, Neto AP, Moraes MF and Azevedo RA

Agronomic Biofortification with Selenium: Effects on Accumulation

of Selenium and Common Bean

Yield Grown in Tropical Soil

Ramos S J, Faguin V, Guilherme L R G, Moraes M F, Castro E M,

Avila F W and Boldrin P F

Tolerance and Accumulation of Selenium by White Button and Baby Bella (Agaricus bisporus)

Mushrooms

Haddad S and Lin Z.-Q.

Accumulation of selenocystine (SeCys2) in Adenocaulon himalaicum in Enshi, China

Yuan L X and Yin X B

Preparation of Selenium-enriched Candida utilis with Fed-batch Cultivation

Yang B and Wei G Y

Selenium Content Loss and Speciation Change of Selenium-enriched Cereals during Different Cooking

Processes

Lu X Q, He Z S, Zhu Y Y, Liu Y and Yin X B

Determination of Selenium Speciation in Eggs by LC-UV-AFS

Zhu Y Y and Yin X B

Effects of Alkalinity on Extraction Efficiency of Selenoproteins

from Selenium-enriched Yeast

Wang W, Zhu Y Y and Yin X B

Beneficial Roles of Selenium in Plants

Moraes M F., Ramos S J and Guilherme L R G

The Standardization in Selenium Biofortification

Yin X B and Li F

The Functional Agriculture in China: Present and Future

Zhao Q G and Yin X B

Section IV: Other Uses of Selenium

Synthesis of Chlorzoxazone by Selenium-catalyzed Reductive



Cyclocarbonylation of

4-Chloro-2-nitrophenol

LiP, Ling G, Wang X F, Yuan X H and Lu S W

An Environmentally Benign Synthetic Method for Replacing

Phosgene: Selenium-catalyzed Reductive

Carbonylation Reactions of Nitroaromatics

Li P, Yang Y, Chen J Z, Mei J T, Zhang X P, Yuan X H and Lu S W

Selenium-catalyzed Selective Reduction of , -Unsaturated

Carbonyl Compounds with CO/H2O under

Atmospheric Pressure

Tian F S, Liu X Z, Wang X F, Li P and Lu S W

Selectivities for Selenium-catalyzed Reactions of Nitroaromatics

with Carbon Monoxide

Liu X Z, Wang X E Ling G, Xue Y, Li P, Yuan X H and Lu S W

Solvent-free Synthesis of 1, 3-Diarylureas by Selenium-catalyzed

Reductive Carbonylation of

Nitroarenes

Wang X F, Li P, Yuan X H and Lu S W



版权说明

本站所提供下载的PDF图书仅提供预览和简介,请支持正版图书。

更多资源请访问:http://www.tushu007.com