



Soil Root Interface

Nirmal Singh



Soil Root Interface:

The Soil-Root Interface J. L. Harley, 2013-10-22 The Soil Root Interface contains the proceedings of an international symposium held in Oxford England on March 28 to 31 1978 The first five chapters of this book contain the majority of papers presented at the meeting as well as the descriptions of displayed posters and films Abstracts of other contributions offered by participants but not read at the meeting form the final chapter The first five parts cover topics on nutrient demand and supply at the soil root interface physics and chemistry of the interfacial region biological activities at the interface the interface in relation to environmental stress and disease and the interface in relation to soil function and growth The soil-root Interface John Laker Harley, 1981 **The Soil-root Interface** J. L. Harley, 1979 **The Soil-root Interface** John Laker Harley, R. Scott Russell, 1979 Nutrient demand and supply at the soil root interface Physics and chemistry of the interfacial region Biological activities at the interface The interface in relation to environmental stress and disease The interface in relation to soil function and growth Abstracts of papers not read in full *Unsaturated Soils: Research & Applications* Adrian R. Russell, 2020-09-23 This book contains the contributions to the Second European Conference on Unsaturated Soils E UNSAT 2012 held in Napoli Italy in June 2012 and includes more than one hundred papers addressing three thematic areas experimental modelling and engineering Plant Roots Yoav Waisel, Amram Eshel, Tom Beeckman, Uzi Kafkafi, 2002-03-29 The third edition of a standard resource this book offers a state of the art multi disciplinary presentation of plant roots It examines structure and development assemblage of root systems metabolism and growth stressful environments and interactions at the rhizosphere Reflecting the explosion of advances and emerging technologies in the field the book presents developments in the study of root origin composition formation and behavior for the production of novel pharmaceutical and medicinal compounds agrochemicals dyes flavors and pesticides It details breakthroughs in genetics molecular biology growth substance physiology biotechnology and biomechanics Agrosphere K R Krishna, 2003-01-05 The book deals with agroecological aspects of nutrients essential to crop production A new concept termed AGROSPHERE has been introduced in the book A brief description about agrosphere its expanse contrasting features and interactions with other ecospheres global nutrient dynamics and food production trends within various agro ecosystems fo **Radioisotopes** Nirmal Singh, 2011-10-21 The book Radioisotopes Applications in Physical Sciences is divided into three sections namely Radioisotopes and Some Physical Aspects Radioisotopes in Environment and Radioisotopes in Power System Space Applications Section I contains nine chapters on radioisotopes and production and their various applications in some physical and chemical processes In Section II ten chapters on the applications of radioisotopes in environment have been added The interesting articles related to soil water environmental dosimetry tracer and composition analyzer etc are worth reading Section III has three chapters on the use of radioisotopes in power systems which generate electrical power by converting heat released from the nuclear decay of radioactive isotopes The system has to be flown in space for space exploration and

radioisotopes can be a good alternative for heat to electrical energy conversion The reader will very much benefit from the chapters presented in this section

Encyclopedia of Soil Science Ward Chesworth,2007-11-22 The Encyclopedia of Soil Science provides a comprehensive alphabetical treatment of basic soil science in a single volume It constitutes a wide ranging and authoritative collection of some 160 academic articles covering the salient aspects of soil physics chemistry biology fertility technology genesis morphology classification and geomorphology With increased usage of soil for world food production building materials and waste repositories demand has grown for a better global understanding of soil and its processes longer articles by leading authorities from around the world are supplemented by some 430 definitions of common terms in soil sciences

Soil Fungicides A. P. Sinha,Kishan Singh,Amar Nath Mukhopadhyay,1988

Soil Nutrient Availability Y. K. Soon,1985 Soil chemistry in relation to inorganic nutrition of plants Factors affecting availability of inorganic nutrients in soils with special reference to micronutrient metals The soil model and its application to plant nutrition Role of the organic cycle in fluctuations of crop yield Nutrient pools and their equilibria Organic matter and nutrient supply Radio isotopic and chemical methods of measuring plant available nutrients Physico chemical approach of determining nutrient availability Soil nutrient mobility and transport processes Modifying influence at the soil root interface root physiology and rhizosphere microorganisms

The soil-root interface John Laker ed Harley,Proceedings of an int. symp. held in Oxford Eng. March 2,1981

Soil Salinity Haim Frenkel,Avraham Meiri,1985

Crops as Enhancers of Nutrient Use V. C. Baligar,R. R. Duncan,1990 The ability of plants to utilize nutrients under various environmental constraints is profoundly affected by genetic and physiological factors These essays examine problems related to plant absorption from the perspectives of plant genetics physiology rhizosphere microbiology soil chemistry and agronomy Topics include plant and soil factors that promote efficient utilization of nutrients plant soil interactions and how plants respond to nutrients at the cellular level on a whole plant basis and when subjected to stress Annotation copyrighted by Book News Inc Portland OR

SIO Reference ,

Nitrogen in the Environment Donald R. Nielsen,J. G. MacDonald,1978 V 1 Nitrogen behavior in the field soil V 2 Soil plant nitrogen relationships

Genetic Manipulation of Crops Plants to Enhance Integrated Nutrient Management in Cropping Systems C. Johansen,1995

Nutrient Balances and the Need for Fertilizers in Semi-arid and Arid Regions International Potash Institute. Colloquium,1983

Information Report ,1985

Transactions ,1978

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