**Schedule of ICSEHH2019 Program**

**(ICSEHH 2019 日程安排)**

|  |
| --- |
| Day 1 (October 27, 2019)Location: Yangling International Convention and Exhibition Center Hotel (YICECH) |
| 13:00-22:00 | Conference Registration | Location: Lobby |
| 16:00-18:00 | Welcome Reception (Appetizers will be provided); Professor Lutz Schomburg: 2012 Berlin Conference PresentationIntroduction to International Society for Selenium Research (ISSR)**Chair:** Professor Gary Bañuelos Professor Zhi-Qing Lin | Location: Yangling International Convention and Exhibition Center Hotel, Meeting Room 2 |
| 18:00-19:00 | Dinner, people stay in the University Guest Hotel will take bus at 19:00 | Yangling International Convention and Exhibition Center Hotel  |
| Day 2 (October 28, 2019)Location: Northwest A&F University Conference Hall (Room 207) |
| Time | **Presenter** | **Topic** |
| 8:15-9:15 | Conference Chair: Dongli Liang Northwest A&F University, ChinaVice President of Northwest A&F UniversityVice mayor of Ankang City, ShaanxiPresident of ISSR: Gary BañuelosUSDA-ARS, USA | Opening Ceremony:Welcome RemarksGroup Photo |
| Session 1Chair: Professor Joel Caton, USA |
| 9:15-9:55 | Gary Bañuelos*USDA-ARS* | **Keynote:** Selenium Biofortification: Accomplishments and Research Needs |
| 9:55-10:15 | Gijs Du Laing*Ghent University, Belgium* | Impact of Dietary Diversity on Se Intake Adequacy in Kenya |
| 10:15-10:30 | Coffee/Tea Break |
| Session 2Chair: Associate Professor Xuebin Yin, China |
| 10:30-10:50 | Wenliang Wu*China Agriculture University, China* | Smart Technology Drives for Se-Agriculture  |
| 10:50-10:30 | Li Li*USDA-ARS, USA* | Effects of Selenium Treatment on Sulfur Nutrition and Metabolism |
| 11:10-11:30 | Luiz Roberto Guimaraes Guilherme*Universidade Federal de Lavras, Lavras, Brazil* | Selenium Biofortification in Grain Crops in Brazil |
| 11:30-11:50 | Dongli Liang *Northwest A&F University, China* | Selenium Bioavailability in Soil-Plant System and Influential Factors  |
| 11:50-12:10 | Milton Ferreira de Moraes*Federal University of Mato Grosso, Brazil*  | Accumulation and Distribution of Se in Brazil Nut Tree |
| 12:10-13:00 | Lunch | Northwest A&F University Dining Room |
| 13:00-13:30 | Poster Presentations (Student poster presentations will be evaluated for the Best Student Poster Presentation Award) |
| Location: Northwest A&F University Conference Hall (Room 208) |
| Session 3Chair: Professor Zhengyu Bao，China  |
| 13:30-13:50 | Nicholas Ralston*University of North Dakota, USA (Zoom)* | In a World Contaminated with Cd, Hg, and Other Electrophiles, We Need Dietary Se to Protect Us |
| 13:50-14:10 | Lenny Winkel*Swiss Federal Institute of Aquatic Science & Technology; Swiss Federal Institute of Technology, Switzerland* | Marine Biogenic Emissions as a Source of Terrestrial Selenium |
| 14:10-14:30 | Haibo Qin *Chinese Academy of Sciences, China* | Selenium Distribution and Speciation in Seleniferous Soils and Controlling Factors: Insights from Molecular Geochemistry |
| 14:30-14:50 | Rochana Tangkoonboribun*Thailand Institute of Scientific and technological Research, Thailand*  | Selenium Distribution in Paddy and Banana Soils in Thailand |
| 14:50-15:10 | Kunli Luo*Chinese Academy of Sciences, China* | Distribution and Enrichment Patterns of Se during Geological Period in South China-Soil Se Distribution Characteristics and Geological Influential Factors |
| 15:10-15:25 | Coffee/Tea Break |
| Session 4Chair: Professor Graham Lyons, Australia |
| 15:25-15:45 | Yu Tao*China University of Geosciences, China* | Safe Utilization and Zoning on Selenium-Enriched Land Resources: A Case Study |
| 15:45-16:05 | Julie Tolu*Swiss Federal Institute of Aquatic Science & Technology; Swiss Federal Institute of Technology, Switzerland* | Selenium Accumulation and Speciation in Soils along a Climate Gradient |
| 16:05-16:25 | Linxi Yuan*Xi'an Jiaotong-Liverpool University, China* | Effective and Safe Utilization on Natural Selenium Resources in China |
| 16:25-16:45 | Xuebin Yin*University of Science & Technology of China, China* | Industrialization Development Models of Functional Agriculture in China |
| 16:45-17:05 | Lianhe Zhang*Henan University of Science & Technology, China* | Physiological Characteristics of Selenite Uptake by Soybean |
| 17:05-18:00 | Happy Hour (Open Bar with Snacks) | University Dining Room, Yuanzhongyuan Restaurant |
| 18:00-19:00 | Dinner | Northwest A&F University Dining Room |
| 19:00-21:40 | **Special Evening Session**12 Graduate Student Oral PresentationsPresentations will be evaluated for the Best Student Oral Presentation Award **Chair: Associate Professor Linxi Yuan, China** | University Conference Hall (Room 208) |
| Day 3 (October 29, 2019)Location: Northwest A&F University Conference Hall (Room 208) |
| Session 5Chair: Professor Lutz Schomburg, Germany |
| 8:30-9:10 | Ulrich Schweizer*University of Bonn, Germany* | **Keynote:** Molecular Biology and Pathophysiology of Inborn Errors of Selenoprotein Biosynthesis |
| 9:10-9:30 | Elias Arnér *Karolinska Institute, Sweden* | New Developments in Recombinant Selenoprotein Production |
| 9:30-9:50 | Zhen Huang *Georgia State University, USA* | Selenium Nucleic Acids for Biotechnology and Biomedicine |
| 9:50-10:10 | Peter Hoffmann *University of Hawaii, Manoa, USA* | The Role of Selenium and Selenoproteins in Immunity |
| 10:10-10:25 | Coffee/Tea Break |
| Session 6Chair: Professor Elias Arnér, Sweden |
| 10:25-10:45 | Xingen Lei *Cornell University, USA* | Dual Roles of Se and Selenoproteins: Implications in Nutrition and Health |
| 10:45-11:05 | Lutz Schomburg *Charité-Medical University Berlin, Germany* | Biomarkers of Se Status |
| 11:05-11:25 | Roger A. Sunde *University of Wisconsin-Madison, USA* | Impact of High Dietary Se on the Selenoprotein Transcriptome, Selenoproteome, and Selenometabolites in Animals |
| 11:25-11:45 | Graham Lyons*University of Adelaide, Australia* | The Potential of Se-Biofortified Herbs as Antiviral Agents  |
| 11:45-12:05 | Donglin Huang*Northwest A&F University, China* | Agronomic Se Biofortfication Increases Dietary Intake of Residents in Keshan Disease Area on Loess Plateau |
| 12:05-13:00 | Lunch | University Dining Room, Yuanzhongyuan Restaurant |
| 13:00-13:30 | Poster Presentations  | (Student poster presentations will be evaluated for the Best Student Poster Presentation Award) |
| Session 7Chair: Professor Wenliang Wu, China |
| 13:30-13:50 | Marc Berntssen*Institute of Marine Research, Norway (Zoom)* | Se Supplementation to Salmon Feeds: Speciation, Toxic Mode of Action and Safe Limits |
| 13:50-14:10 | Joerg Feldmann *University of Aberdeen, UK* | Selenium Speciation Analysis Must Cover Also Nanoparticles in Biological Samples: From Fungi to Pilot Whales |
| 14:10-14:30 | Zhengyu Bao *Zhejiang Institute, China University of Geosciences, China* | Reference Materials of Selenium-Rich Rocks and Soils |
| 14:30-14:50 | Zhi-Qing Lin*Southern Illinois University – Edwardsville, USA* | Biotransformation and Volatilization of Nanoscale Elemental Selenium |
| 14:50-15:10 | Philip White J*ames Hutton Institute, UK* | The Genetics of Selenium Accumulation by Plants |
| 15:10-15:25 | Coffee/Tea Break |
| Session 8Chair: Professor Peter Hoffmann, USA |
| 15:25-15:45 | Michela Schiavon*University of Padova, Italy* | Unravelling the Complex Trait of Plant Selenium Hyperaccumulation: Advances in Research on Potential Candidate Genes Involved |
| 15:45-16:05 | Andre de Reis*São Paula State University, Brazil* | Impact of Se Application on Se and Phytic Acid  |
| 16:05-16:25 | Huafen Li*China Agriculture University, China* | Effect of Se on the Uptake and Translocation of Heavy Metals in Plants |
| 16:25-16:45 | Shuxin Tu | The Role and Mechanisms of Selenium in Plant Heavy Metal Detoxification |
| 16:45-17:05 | Xiaohu Zhao | Selenium Protects Oilseed Rape Against Sclerotinia sclerotiorum Attack |
| 17:30-20:00 | Banquet | Buses transport guests to Exhibition Center  |
| Day 4 (October 30, 2019)Location: Northwest A&F University Conference Hall (Room 208) |
| Session 9Chair: Professor Xingen Lei, USA |
| 8:30-9:10 | David Hughes*University of Dublin, Ireland* | **Keynote:** Potential Role of Selenium in Cancer Prevention |
| 9:10-9:30 | Peko Tsuji *Towson University, USA* | Selenium-Mediated Epigenetic Regulation in Colon Cancer |
| 9:30-9:50 | David J. Waters *Purdue University, USA* | How U-Shaped Thinking Informs Future Research on Selenium and Cancer Prevention |
| 9:50-10:10 | Zhi Huang *Jinan University, China* | Poria cocos Polysaccharide Decorated Selenium Nanoparticles Attenuate Colitis by Suppressing Hyper Inﬂammation |
| 10:10-10:25 | Coffee/Tea Break  |
| Session 10Chair: Professor Gijs Du Laing, Belgium |
| 10:25-10:45 | Qian Sun*Charté-Medical University, Berlin* | Autoimminity to Selenoprotein P in Thyroid |
| 10:45-11:05 | Yongmin Xiong *Xi’an Jiaotong University, China* | Study on the Mechanism of Selenium and Selenoproteins in Kaschin-Beck Disease |
| 11:05-11:25 | Joel Caton*North Dakota State University, USA* | Maternal Dietary Selenium Supply and Off Spring Developmental Outcomes |
| 11:25-11:45 | Jean Hall *Oregon State University, USA* | Selenium Supplementation Strategies for Livestock, with Focus on Agronomic Biofortification |
| 11:45-12:05 | Gary Bañuelos*USDA-ARS, USA* | Closing WordsStudent Presentation Awards |
| 12:05-12:40 | Lunch | Northwest A&F University Dining Room |
| 13:00-14:00 | Natural Biofortification Program (NBP) Discussion (Open to All) | Northwest A&F University Conference Hall (Room 208) |
| 14:10-18:30 | The 1st International Intelligent Agricultural Technology Innovation Summit of Ecology and Nutrient Intensification | Northwest A&F University Conference Hall (Room 207) (Invited Attendees Only) |
| 14:30-17:00 | City Tour (Yangling) |
| 17:00-18:00 | Happy Hour (Open Bar with Snacks) | Northwest A&F University Dining Room |
| 18:00-19:00 | Dinner  | Northwest A&F University Dining Room |
| Special Session: Student Oral PresentationsDay 2 (October 28, 2019)Chair: Associate Professor Linxi Yuan, China |
| Time | **Presenter** | **Topic** |
| 19:00-19:12 | Aryeh Feinberg*ETH Zürich, Switzerland* | Modelling Atmospheric Selenium Transport and Deposition on a Global Scale |
| 19:12-19:24 | Hongyu Zhang*China University of Geosciences* | Effects of Humic Acid on Selenium and Cadmium Uptake in Rice Seedlings |
| 19:24-19:36 | Jun Li*Gent University, Belgium* | Exploration of Selenium-Rich Bioproducts Generated from (Waste) Water as Micronutrient Fertilizers |
| 19:36-19:48 | Raza FAROOQ*University of Science and Technology of China* | Topsoil Selenium Distribution in Dry Arable Land of Zhongwei, Ningxia, China |
| 19:48-20:00 | Fei Zhou*Northwest A & F University, China* | Selenium Bioaccessibility in Se-Enriched *Lentinula edodes* |
| 20:00-20:12 | Lenardo Lima*Colorado State University, USA* | Mechanisms of Selenium Hyperaccumulation in *Stanleya pinnata*: Exploring the Roles of SpSultr1;2 and SpAPS2 |
| 20:12-20:24 Coffee/Tea/Snack Break |
| 20:24-20:36 | Saeed Ahmad*The University of Nottingham, UK* | Selenium Biofortification of a Wheat Crop in Northeast Pakistan Using 77Se as a Trace |
| 20:36-20:48 | Chandnee Ramkissoon*The University of Nottingham, UK* | Effect of Soil Properties and Contact Time on Selenium Transfer to Wheat |
| 20:48-21:00 | Shizhong Yue*China Agriculture University, China* | Selenium Enriched Earthworm: A Potential Selenium Supplement for Animals or Humans |
| 21:00-21:12 | Xueyun Mao*Yangzhou Univeristy, China* | Selenium Negatively Regulates the Growth of *Fusarium graminearum* and Mycotoxin Production |
| 21:12-21:24 | Julian Hackler*Charite - Berlin, Institute für Experimentelle Endokrinologie, Germany* | Commonly Used Drugs Affect Hepatic Selenium Metabolism |
| 21:24-21:36 | Baorong Li*Xi'an Jiaotong University, China* | Study on the Mechanism of GPX3 and Selenium in Kashin-Beck Disease |