**Schedule of ICSEHH2019 Program**

**(ICSEHH 2019 日程安排)**

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| 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 Presentation  Introduction 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, China  Vice President of Northwest A&F University  Vice mayor of Ankang City, Shaanxi  President of ISSR: Gary Bañuelos  USDA-ARS, USA | Opening Ceremony:  Welcome Remarks  Group Photo |
| Session 1  Chair: 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 2  Chair: 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 3  Chair: 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 4  Chair: 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 Presentations  Presentations 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 5  Chair: 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 6  Chair: 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 7  Chair: 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 8  Chair: 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 9  Chair: 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 10  Chair: 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 Words  Student 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 Presentations  Day 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 |