Editorial Team of International Journal of Agricultural and Biological Engineering

EDITOR-IN-CHIEF

Wang Yingkuan, PhD, Prof., Chinese Academy of Agricultural Engineering, Chinese Society of Agricultural Engineering, Beijing, China

SECTION EDITORS

Li Hongwen, Section Editor of PMS, China Agricultural University, Beijing, China Debjyoti Banerjee, Section Editor of PMS, Texas A&M University, College Station, TX, USA Naiqian Zhang, Section Editor of PMS, Kansas State University, Manhattan, KS, USA Neil B. McLaughlin, Section Editor of PMS, Agriculture and Agri-Food Canada, Ottawa, ON, Canada Ou Yinggang, Section Editor of PMS, South China Agricultural University, Guangzhou, China Ruixiu Sui, Section Editor of PMS, USDA-ARS, Crop Production Systems Research Unit, Stoneville, MS, USA Steven J. Thomson, Section Editor of PMS, USDA-ARS, Crop Production Systems Research Unit, Stoneville, MS, USA Sun-Ok Chung, Section Editor of PMS, Chungbuk National University, Korea He Xiongkui, Section Editor of PMS, China Agricultural University, Beijing, China Soni Peeyush, Section Editor of PMS, Asian Institute of Technology, Pathumthani, Thailand Yang Qinghua, Section Editor of PMS & ITSCS, Zhejiang University of Technology, Hangzhou, China Shufeng Han, Section Editor of PMS & ITSCS, John Deere, Urbandale, IA, USA Guo Ya, Section Editor of PMS & SHE, Jiangnan University, Wuxi, China Lei Tingwu, Section Editor of NRES, China Agricultural University, Beijing, China Philip W. Gassman, Section Editor of NRES, Iowa State University, Ames, IA, USA Xiusheng (Harrison) Yang, Section Editor of NRES, University of Connecticut, Storrs, CT, USA Xiuying Susan Wang, Section Editor of NRES, Texas A&M University, TX, USA Zhuping Sheng, Section Editor of NRES, Texas A&M University, TX, USA Pei Huang, Section Editor of NRES & SHE, Wastewater Compliance Systems, Salt Lake City, UT, USA Baptista Fatima Folgoa, Section Editor of BBEE, University of Evora, Evora, Portugal Li Baoming, Section Editor of APFS, China Agricultural University, Beijing, China Lingjuan Wang Li, Section Editor of APFS, North Carolina State University, Raleigh, NC, USA Mohamed H Hatem, Section Editor of BBEE, Cairo University, Cairo, Egypt Yuanhui Zhang, Section Editor of REMS, University of Illinois at Urbana-Champaign, Urbana, IL, USA Chenghai Yang, Section Editor of ITSCS, USDA-ARS-SPARC, College Station, TX, USA Yufeng Ge, Section Editor of ITSCS, University of Nebraska-Lincoln, Lincoln, NE, USA Lie Tang, Section Editor of ITSCS, Iowa State University, Ames, IA, USA Ning Wang, Section Editor of ITSCS, Oklahoma State University, Stillwater, OK, USA Sun Yurui, Section Editor of ITSCS, China Agricultural University, Beijing, China Yanbo Huang, Section Editor of ITSCS, USDA-ARS, Crop Production Systems Research Unit, Stoneville, MS, USA Huang Wenjiang, Section Editor of ITSCS, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, Beijing, China Huihui Zhang, Section Editor of ITSCS, USDA-ARS, Water Management Research Unit, Fort Collins, CO, USA Alvaro Romirez-Gomez, Section Editor of REMS, Technical University of Madrid, Madrid, Spain Hanwu Lei, Section Editor of REMS, Washington State University, Brookings, SD, USA Yebo Li, Section Editor of REMS, Ohio State University, Wooster, OH, USA Caixia (Ellen) Wan, Section Editor of REMS, University of Missouri, Columbia, MO, USA Jun Soojin, Section Editor of AFPS, University of Hawaii at Manoa, Honolulu, HI, USA Guangnan Chen, Section Editor of AFPS, University of Southern Queensland, Toowoomba, Australia Jianmei Yu, Section Editor of AFPS, North Carolina A&T State University, Raleigh, NC, USA Paul Chen, Section Editor of AFPS, University of Minnesota, Saint Paul, MN, USA Peng Yankun, Section Editor of AFPS, China Agricultural University, Beijing, China Shaojin Wang, Section Editor of AFPS, Washington State University, Pullman, WA, USA Wang Jun, Section Editor of AFPS, Zhejiang University, Hangzhou, China Zheng Xianzhe, Section Editor of AFPS, Northeast Agricultural University, Harbin, China Lope G. Tabil, Section Editor of APFS & REMS, University of Saskatchewan, Saskatoon, SK, Canada Sigfredo Fuentes, Section Editor of APFS & ITSCS, University of Melbourne, Melbourne, VIC, Australia

ENGLISH EDITORS

Bill A. Stout, PhD, Prof Emeritus, Biological & Agricultural Engineering Department, Texas A & M University, College Station, TX, USA Cheryl J. Rutledge, PhD, Retired Associate Professor of English, Proprietor of AcademicEnglishEditing-DrRutledge.com, FL, USA Nalladurai Kaliyan, Department of Bioproducts and Biosystems Engineering, University of Minnesota, Saint Paul, MN, USA Shamaila Zia, PhD, Institute of Agricultural Engineering, University Hohenheim, Stuttgart, Germany.

EDITORIAL STAFF

Wang Yingkuan, Xin Shiqiang, Ji Fang, Wang Yuanjie, Paul Chen (part-time), Shi Xiuhuan (part-time)

International Journal of Agricultural and Biological Engineering International Editorial Board

The Third Term

(To be updated)

https://www.ijabe.org

HONORARY CHAIRMEN

Jaw-Kai Wang, PhD, Prof., Member of National Academy of Engineering, University of Hawaii, Honolulu, HI, USA Jiang Yiyuan, Prof., Academician of the Chinese Academy of Engineering, Northeast Agricultural University, Harbin, China Li Peicheng, Prof., Academician of the Chinese Academy of Engineering, Chang'an University, Xi'an, China Wang Maohua, Prof., Academician of the Chinese Academy of Engineering (CAE), Member of International Eurasian Academy of Sciences, China Agricultural University, Beijing, China

Bill A. Stout, Emeritus Prof. of Texas A&M University, Former and Honorary President of CIGR, College Station, TX, USA Chenghai Yang, PhD, Agricultural Engineer, Former President of AOC, U.S. Department of Agriculture, Agricultural Research Service, College Station, TX, USA

CHAIRMEN

Zhu Ming, Prof., President of CSAE, Chief Scientist, Chinese Academy of Agricultural Engineering, Beijing, China Roger Ruan, PhD, Prof., Director, University of Minnesota, Saint Paul, MN, USA

VICE-CHAIRMEN

Cao Weixing, PhD, Prof., Nanjing Agricultural University, Nanjing, China

Da-Wen Sun, PhD, Prof., CIGR Incoming President, Member of Royal Irish Academy, Member of Academia Europaea, National University of Ireland, Dublin, Ireland

Fu Zetian, PhD, Prof., China Agricultural University, Beijing, China

Juming Tang, PhD, Prof., Former President of AOC, Washington State University, Pullman, WA, USA

Kang Shaozhong, PhD, Prof., Academician of the CAE, China Agricultural University, Beijing, China

Luo Xiwen, Prof., Vice-President of CSAE, Academician of the CAE, South China Agricultural University, Guangzhou, China

Naiqian Zhang, PhD, Prof., Former President of AOC, Kansas State University, Manhattan, KS, USA

Qiang Zhang, PhD, Former President of AOC, Prof. and Head of Biosystems Engineering Department, University of Manitoba, Winnipeg, MB, Canada

Ruihong Zhang, PhD, Prof., Former President of AOC, University of California, Davis, CA, USA

Xiusheng Yang, PhD, Prof, Former President of AOC, President of ACAAS, University of Connecticut, Storrs, CT, USA

Ying Yibin, PhD, Prof., Zhejiang University, Hangzhou, China

Yuan Shouqi, PhD, Prof., Jiangsu University, Zhenjiang, China

Yubin Lan, PhD, Agricultural Engineer, Prof., South China Agricultural University, USDA-ARS-SPARC, TX, USA

Zhang Libin, PhD, Prof., Zhejiang University of Technology, Hangzhou, China

Zhao Chunjiang, PhD, Prof., Director, National Engineering Research Center for Information Technology in Agriculture, Beijing, China Zhao Yun, Prof., Zhejiang Sci-tech University, Hangzhou, Northeast Agricultural University, Harbin, China

Zhongli(John) Pan, PhD, Research Engineer, Prof., Former President of AOC, USDA-ARS-PWA, WRRC-PFR, ALBANY, CA, USA

MEMBERS OF THE EDITORIAL BOARD

Australia

Allen (Jack) McHugh, National Centre for Engineering in Agriculture, University of Southern Queensland, Toowoomba, Australia Deli Chen, The University of Melbourne, Melbourne, VIC, Australia

Guangnan Chen, National Centre for Engineering in Agriculture, University of Southern Queensland, Toowoomba, Australia Roderick A. Drew, Griffith University, Nathan, QLD, Australia

Sigfredo Fuentes, The University of Melbourne, Melbourne, VIC, Australia

Thomas Banhazi, National Centre for Engineering in Agriculture, University of Southern Queensland, Toowoomba, Australia

Bangladesh

Toufiq Iqbal, University of Rajshahi, Rajshahi, Bangladesh

Belgium

Josse De Baerdemaeker, Katholieke Universiteit Leuven, Heverlee-Leuven, Belgium

Brazil

Antonio Saraiva, University of Sao Paulo-Polytechnic School, Sao Paulo, Brazil Luiz Henrique A Rodrigues, University of Campinas, Campinas, Brazil Rodrigo Manzione, Universidade Estadual Paulista/Ourinhos, São Paulo, Brazil

Bulgaria

Gabor Zsivanovits, Food Research and Development Institute (Former CANRI) of Plovdiv, Plovdiv, Bulgaria

Canada

Bingcheng Si, University of Saskatchewan, Saskatoon, SK, Canada Heather McNarin, Agriculture and Agri-Food Canada, Ottawa, ON, Canada Huiqing Guo, University of Saskatchewan, Saskatoon, SK, Canada Iris Xiaohong Xu, University of Windsor, Windsor, ON, Canada Jan C. Jofriet, University of Guelph, Guelph, ON, Canada Lope G. Tabil, Jr., University of Saskatchewan, Saskatoon, SK, Canada Neil B. McLaughlin, Agriculture and Agri-Food Canada, Ottawa, ON, Canada Nicolas Tremblay, Agriculture and Agri-Food Canada, Quebec, QC, Canada Prasad Daggupati, University of Guelph, Guelph, Ontario, Canada Manickavasagan Annamalai, University of Guelph, Guelph, Ontario, Canada Qiang Zhang, University of Manitoba, Winnipeg, MB, Canada Xiying Hao, Agriculture and Agri-Food Canada, Lethbridge, AB, Canada Xueming Yang, Agriculture and Agri-Food Canada, Harrow, ON, Canada

China

Cao Chengmao, Anhui Agricultural University, Hefei, China Cao Weibin, Shihezi University, Shihezi, China Cao Weixing, Nanjing Agricultural University, Nanjing, China Chen Haitao, Northeast Agricultural University, Harbin, China Chen Jian, Southwest University, Chongqing, China Chen Jianneng, Zhejiang Sci-tech University, Hangzhou, China Chen Liping, China National Research Center of Intelligent Equipment for Agriculture, Beijing, China Chen Zhi, Inner Mogolia Agricultural University, Hohhot, China Cui Ming, Chinese Academy of Agricultural Engineering, Beijing, China Deng Lie, Citrus Research Institute, Chinese Academy of Agricultural Sciences, Chongqing, China Ding Weimin, Nanjing Agricultural University, Nanjing, China Dong Changsheng, Shanxi Agricultural University, Taigu, Shanxi, China Dong Renjie, China Agricultural University, Beijing, China Du Ruicheng, Shandong University of Technology, Zibo, China Fu Qiang, Northeast Agricultural University, Harbin, China Fu Zetian, China Agricultural University, Beijing, China Gao Haiyan, Zhejiang Academy of Agricultural Sciences, Hangzhou, China Gao Wanlin, China Agricultural University, Beijing, China Ge Zhenyang, Kunming University of Science and Technology, Kunming, China Guo Ya, Jiangnan University, Wuxi, China Guo Yuming, Shanxi Agricultural University, Taigu, Shanxi, China Han Lujia, China Agricultural University, Beijing, China He Dongjian, Northwest A&F University, Yangling, China He Xinlin, Shihezi University, Shihezi, China

He Xiongkui, China Agricultural University, Beijing, China He Yong, Zhejiang University, Hangzhou, China Hong Tiansheng, South China Agricultural University, Guangzhou, China Huang Guanhua, China Agricultural University, Beijing, China Huang Wenjiang, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, Beijing, China Ji Changying, Nanjing Agricultural University, Nanjing, China Ji Shiming, Zhejiang University of Technology, Hangzhou, China Jiang Enchen, South China Agricultural University, Guangzhou, China Jiang Yiyuan, Northeast Agricultural University, Harbin, China Lei Tingwu, China Agricultural University, Beijing, China Li Baoming, China Agricultural University, Beijing, China Li Changyou, Inner Mogolia Agricultural University, Hohhot, China Li Chenghua, Shenyang Ligong University, Shenyang, China Li Dong, China Agricultural University, Beijing, China Li Guanglin, Southwest University, Chongqing, China Li Hong, Jiangsu University, Zhenjiang, China Li Hongwen, China Agricultural University, Beijing, China Li Ming, Yunnan Normal University, Kunming, China Li Minzan, China Agricultural University, Beijing, China Li Peicheng, Chang'an University, Xi'an, China Li Pingping, Nanjing Forestry University, Nanjing, China Li Shaowen, Anhui Agricultural University, Hefei, China Li Tianlai, Shenyang Agricultural University, Shenyang, China Li Wenzhe, Northeast Agricultural University, Harbin, China Li Zhanbin, State Key Laboratory of Soil Erosion and Drying Farming on the Loess Plateau, CAS, Yangling, China Lin Hetong, Fujian Agriculture and Forestry University, Fuzhou, China Liu Donghong, Zhejiang University, Hangzhou, China Liu Ronghou, Shanghai Jiao Tong University, Shanghai, China Liu Yande, East China Jiaotong University, Nanchang, China Lu Anxiang, Beijing Research Center for Agricultural Standards and Testing, Beijing, China Lu Lixin, Key Laboratory of Advanced Food Manufacturing Equipment and Technology, Jiangnan University, Wuxi, China Luo Xiwen, South China Agricultural University, Guangzhou, China Ma Haile, Jiangsu University, Zhenjiang, China Ma Xiaoyi, Northwest A&F University, Yangling, China Mao Hanping, Jiangsu University, Zhenjiang, China Ou Yinggang, South China Agricultural University, Guangzhou, China Peng Yankun, China Agricultural University, Beijing, China Ren Tusheng, China Agricultural University, Beijing, China Shang Shuqi, Qingdao Agricultural University, Qingdao, China Shao Ming'an, Chinese Academy of Sciences, Beijing, China Song Wenlong, Northeast Forestry University, Harbin, China Sun Songlin, Hunan Agricultural University, Changsha, China Sun Yurui, China Agricultural University, Beijing, China Tong Jin, Jilin University, Changchun, China Wang Chun, Heilongjiang Bayi Agricultural University, Daqing, China Wang Chunguang, Inner Mongolia Agricultural University, Hohhot, China Wang Jihua, Beijing Research Center for Agricultural Standards and Testing, Beijing, China Wang Jinwu, Northeast Agricultural University, Harbin, China Wang Jun, Zhejiang University, Hangzhou, China Wang Liang, Chinese Academy of Sciences, Shanghai, China Wang Maohua, China Agricultural University, Beijing, China Wang Quanjiu, Xi'an University of Technology, Xi'an, China Wang Xiangyou, Shandong University of Technology, Zibo, China Wang Yingkuan, Chinese Academy of Agricultural Engineering, Beijing, China

Wei Xiuju, Chinese Academy of Agricultural Engineering, Beijing, China Wu Di, Zhejiang University, Hangzhou, China Wu Caicong, China Agricultural University, Beijing, China Wu Chuanyu, Zhejiang Sci-Tech University, Hangzhou, China Wu Huarui, National Engineering Research Center for Information Technology in Agriculture, Beijing, China Xia Chaofeng, Yunnan Normal University, Kunming, China Xu Guangyin, Henan Agricultural University, Zhengzhou, China Yang Qinghua, Zhejiang University of Technology, Hangzhou, China Yang Xinting, National Engineering Research Center for Information Technology in Agriculture, Beijing, China Yang Zhou, South China Agricultural University, Guangzhou, China Ye Xinggian, Zhejiang University, Hangzhou, China Yi Shujuan, Heilongjiang Bayi Agricultural University, Daqing, China Yi Weiming, Shandong University of Technology, Zibo, China Ying Yibin, Zhejiang University, Hangzhou, China Yuan Shouqi, Jiangsu University, Zhenjiang, China Yubin Lan, South China Agricultural University, Guangzhou, China Yue Tianli, Northwest A&F University, Yangling, China Yun Wenju, Land Consolidation and Rehabilitation Center of Land and Resources Ministry, Beijing, China Zhang Dongxing, China Agricultural University, Beijing, China Zhang Guochen, Dalian Ocean University, Dalian, China Zhang Libin, Zhejiang University of Technology, Hangzhou, China Zhang Naiming, Yunnan Agricultural University, Kunming, China Zhang Quanguo, Henan Agricultural University, Zhengzhou, China Zhang Wei, Heilongjiang Bayi Agricultural University, Daqing, China Zhang Xianfeng, Peking University, Beijing, China Zhang Yalei, Tongji University, Shanghai, China Zhang Ying, Northeast Agricultural University, Harbin, China Zhao Chunjiang, National Engineering Research Center for Information Technology in Agriculture, Beijing, China Zhao Lixin, Chinese Academy of Agricultural Engineering, Beijing, China Zheng Baodong, Fujian Agriculture and Forestry University, Fuzhou, China Zheng Xianzhe, Northeast Agricultural University, Harbin, China Zhou Changji, Chinese Academy of Agricultural Engineering, Beijing, China Zhou Fujun, Northeast Agricultural University, Harbin, China Zhou Xinqun, Chinese Academy of Agricultural Engineering, Beijing, China Zhou Zhili, Henan University of Science and Technology, Luoyang, China Zhu Hongguang, Tongji University, Shanghai, China Zhu Ming, Chinese Academy of Agricultural Engineering, Beijing, China Zhu Songming, Zhejiang University, Hangzhou, China Zhu Wenxue, Henan University of Science and Technology, Luoyang, China Zhu Yan, Nanjing Agricultural University, Nanjing, China Zou Xiaobo, Jiangsu University, Zhenjiang, China

Czech Republic

Jiří Blahovec, Czech University of Life Sciences Prague, Prague, Czech Republic

Demark

Claus Grøn Sørensen, Aarhus University, Aarhus, Demark Guoqiang Zhang, Aarhus University, Aarhus, Demark Victoria Blanes-Vidal, University of Southern Denmark, Obsense, Denmark

Egypt

Mahmoud HanyRamadan, Al-Mansoura University, Al-Mansoura, Egypt Mohamed H Hatem, Cairo University, Giza, Egypt Said Elshahat Abdallah, Kafrelsheikh University, Kafr Elsheikh, Egypt Samy Badr Khadr, Zanzibar Joint Farm, Egypt

Finland

Hannu E. S. Haapala, Seinäjoki University of Applied Sciences, Seinäjoki, Finland Jukka Rintala, MTT Agrifood Research, Jokioinen, Finland Markku Järvenpää, MTT Agrifood Research, Jokioinen, Finland

France

Roger Martin-Clouaire, Institut National de la Recherche Agrono, France

Germany

Andreas Herbst, Federal Research Centre for Cultivated Plants, Braunschweig, Germany Hans W. Griepentrog, University of Hohenheim, Stuttgart, Germany Ing. Henning J. Meyer, Technische Universität Berlin, Berlin, Germany Joachim Mueller, University of Hohenheim, Stuttgart, Germany Peter Schulze-Lammers, University of Bonn, Bonn, Germany Thomas Jungbluth, University of Hohenheim, Stuttgart, Germany

Ghana

Nicholas kyei-baffour, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Greece

Franis Gemtos, University of Thessaly, Volos, Thessaly, Greece Nick Sigrimis, Agricultural University of Athens, Athens, Greece Stavros G. Vougioukas, Aristotle University of Thessaloniki, Thessaloniki, Greece

Iceland

Sigurjon Arason, University of Iceland, Reykjavik, Iceland

India

B K Kumbhar, GB Pant University of Agriculture and Technology, Uttarakhand, India
Balram Panigrahi, Orissa University of Agriculture & Technology, Orissa, India
Gopal U. Shinde, Marathwada Agricultural University, Parbhani, Maharastra, India
K N Tiwari, Indian Institute of Technology, Kharagpur, India
M N Dabhi, Junagadh Agricultural University, Junagadh, Gujarat, India
N. Kapilan, Nagarjuna College of Engineering and Technology, Devanahalli, Bangalore, India
R K Panda, Indian Institute of Technology, West Bengal, India
R S Prasad, Punjab Engineering College, Chandigarh, India
Ravindra Naik, Central Institute of Agricultural Engineering, Tamil Nadu, India
Tridib Kumar Goswami, Indian Institute of Technology, Kharagpur, West Bengal, India
Vilas M. Salokhe, Kaziranga University, Jorhat, Assam, India

Iran

Akbar Arabhosseini, University of Tehran, Pakdash, Tehran, Iran

Ireland

Da-wen Sun, National University of Ireland, Dublin, Ireland Miao Song, Teagasc Food Research Centre, Moorepark, Fermoy, Co. Cork, Ireland Ultan Mc Carthy, University College Dublin, Belfield, Dublin, Ireland

Israel

Isaac Shainberg, Agricultural Research Organization, Israel Ruth Ben-Arie, Israel Fruit Growers Association, Israel

Italy

Antonio Lo Porto, Water Research Institute, Italian National Research Council (IRSA-CNR), Bari, Italy Daniele De Wrachien, The University of Milan, Via Celoria, Milan, Italy Mambretti Stefano, Polytechnic University of Milan, Milan, Italy Mauro Greppi, The University of Milan, Milan, Italy

Japan

Hiroaki Somura, Shimane University, Matsue, Japan Jun Abe, Tokai University, Kumamoto Prefecture, Japan Noboru Noguchi, Hokkaido University, Sapporo, Japan Wang XiuLun, Mie University, Tsu, Japan

Jordan

Bassam Snobar, University of Jordan, Amman, Jordan Taha M. Rababah, Jordan University of Science and Technology, Irbid, Jordan

Korea

In-Bok Lee, Seoul National University, Seoul, Korea In-Hwan Oh, Konkuk University, Chungbuk-do, Korea Myongsoo Chung, Ehwa Women's University, Korea Seonggu Hong, Hankyong National University, Kyonggi-Do, South Korea Seung-Jin Maeng, Chungbuk National University, Chungbuk, Korea Sun-Ok Chung, Chungnam National University, Daejon, Korea YongJoo Kim, Chungnam National University, Daejon, Korea Youngjung Kim, National Academy of Agricultural Sciences, Suwon, Korea

Malaysia

Desa Ahmad, Universiti Putra Malaysia, Selangor Darul Ehsan, Malaysia Ramin Shamshiri,Universiti Putra Malaysia, Serdang, Selangor, Malaysia Olarewaju Akinola Johnson, Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia

Nepal

Shreemat Shrestha, Nepal Agricultural Research Council, Kathmandu, Nepal Rabi Rasaily, REP of FAO Agricultural and Food Systems Group at Bangkok, Nepal Agricultural Research Council, Kathmandu, Nepal

New Zealand

E. John Stevens, The New Zealand & Australia Branch of IAMFE, Cass Bay Lyttelton, New Zealand Hamish Gow, Massey University, Palmerston North, New Zealand John Hampton, Lincoln University, Lincoln, Canterbury, New Zealand

Nigeria

Azikiwe Peter Onwualu, African University of Science and Technology, Abuja, Nigeria Seth I. Manuwa, Federal University of Technology, Akure, Nigeria

Norway

Petter Hieronymus Heyerdahl, Norwegian University of Life Sciences, Oslo Area, Norway

Oman

Mushtaque Ahmed, Sultan Qaboos University, Al-Khoudh, Muscat, Oman

Pakistan

Ashfaq Ahmad Chattha, University of Agriculture Faisalabad, Faisalabad, Pakistan Allah Bakhsh, University of Agriculture Faisalabad, Faisalabad, Pakistan Muhammad Naveed Tahir, PMAS-Arid Agriculture University, Rawalpindi, Pakistan Farman Ali Chandio, Sindh Agriculture University, Tandojam, Pakistan Khalil Ahmed Ibupoto, Sindh Agriculture University, Tandojam, Pakistan

Philippines

Victor B. Ella, University of the Philippines Los Banos, Laguna, Philippines

Poland

Jacek Dach, Poznan University of Life Sciences, Poznan, Poland Jacek Przybyl, Poznan University of Life Sciences, Poznan, Poland Oryna Slobodzian-Ksenicz, University of Zielona Góra, Babimost, Poland Tadeusz Kuczynski, University of Zielona Gora, Babimost, Zielona Gora, Poland Tadeusz Pawlowski, Industrial Institute of Agricultural Engineering, Poznan, Poland

Portugal

Baptista Fatima Folgoa, University of Evora, Evora, Portugal

Romania

Gabriela Teodorescu, Valahia University of Targoviste, Targoviste, Dambovita, Romania

Russia

Aleksandr Perekopskii, Institute for Engineering and Environmental Problems in Agricultural Production, St. Petersburg, Russia Oleg S. Marchenko, All Russian Research Institute for Mechanization in Agriculture (VIM), Moscow, Russia Vladislav Minin, Russian Academy of Saint-Peterburg-Pushkin, Russia Vladimir Dmitrievic Popov, Institute for Engineering and Environmental Problems in Agricultural Production, St. Petersburg, Russia

Serbia

Lazar Savin, University of Novi Sad, Novi Sad, Serbia Milan Martinov, University of Novi Sad, Novi Sad, Serbia

Singapore

Chua Kian Jon Ernest, National University of Singapore, Singapore

Slovak Republic

Ladislav Nozdrovicky, Slovak University of Agriculture, Nitra, Slovak Republic

South Africa

Afam I O. Jideani, University of Venda, Thohoyandou, South Africa Jeff Smithers, University of KwaZulu-Natal, Scottsville, South Africa

Spain

Alvaro Romirez-Gomez, Technical University of Madrid, Madrid, Spain Antonio Brasa Ramos, University of Castilla-La Mancha, Campus Universitario, Spain Enrique Molto, Valencian Institute of Agricultural Research (IVIA), Valencia, Spain Heiner Lehr, Syntesa Sp/F (Ltd.), Spain

Sweden

Bo Mattiasson, Lund University, Lund, Sweden Jing Liu, Lund University, Lund, Sweden

Switzerland

Habil. Matthias Schick, Research Station ART, Ettenhausen, Switzerland

Thailand

Athapol Noomhorm, Asian Institute of Technology, Pathumthani, Thailand Mukand Singh Babel, Asian Institute of Technology, Pathumthani, Thailand Peeyush Soni, Asian Institute of Technology, Pathumthani, Thailand

The Netherlands

Eldert J. van Henten, Farm Technology Group, Wageningen UR, & Wageningen UR Greenhouse Horticulture, the Netherlands Jeremy Harbinson, University of Wageningen, Wageningen, the Netherlands Peter Groot Koerkamp, Wageningen University, Wageningen, the Netherlands

Turkey

Ahmet INCE, Cukurova University, Adana, Turkey Hulya Atil, Ege University, İzmir, Turkey Yunus Pinar, University of Ondokuz Mayis, Samsun, Turkey

United Kingdom

David Tinker, European Society of Agricultural Engineers, Bedford, Bedfordshire, UK Guoping Lian, Unilever Research Colworth, London, UK Keith Weatherhead, Cranfield University, Cranfield, UK Simon Blackmore, Harper Adams University College, Shropshire, UK

United States

Aaron Mittelstat, University of Nebraska-Lincoln, Lincoln, NE, USA Athanasios (Alex) Alexandrou, California State University, Fresno, CA, USA B. Brian He, University of Idaho, Moscow, ID, USA Bang S. Sookie, South Dakota School of Mines and Technology, Rapid City, SD, USA Bill Stout, Texas A&M University, TX, USA Caixia (Ellen) Wan, University of Missouri, Columbia, MO, USA Chenghai Yang, USDA-ARS-SPARC, College Station, TX, USA Chenxu Yu, Iowa State University, Ames, IA, USA Cibin Raj, Pennsylvania State University, State College, PA, USA Donghai Wang, Kansas State University, Manhattan, KS, USA Edward T. Huang, California Institute of Environmental Design & Management, Los Angeles, CA, USA Glenn Warner, University of Connecticut, Storrs, CT, USA Gonzalez L Jose, South Dakota State University, USA H. Erdal Ozkan, Ohio State University, Columbus, OH, USA Haibo Yao, Mississippi State University, Starkville, MS, USA Haiqiang Chen, University of Delaware, Newark, DE, USA Hanwu Lei, Washington State University, Richland, WA, USA Hao Feng, University of Illinois, Urbana, IL, USA Heping Zhu, USDA-ARS, Wooster, OH, USA Hongwei Xin, Iowa State University, Ames, IA, USA Huihui Zhang, USDA-ARS, Water Management Research Unit, Fort Collins, CO, USA Jaw-Kai Wang, University of Hawaii, Honolulu, HI, USA Jian Yu, University of Hawaii at Manoa, Honolulu, HI, USA Jianmei Yu, North Carolina A&T State University, Raleigh, NC, USA Jiannong Xin, University of Florida, Gainesville, FL, USA Jian Shi, University of Kentucky, Lexington, KY, USA Jiele Xu, North Carolina State University, Raleigh, NC, USA Jiqin Ni, Purdue University, West Lafayette, IN, USA Juming Tang, Washington State University, Pullman, WA, USA Jungang Gao, Blackland Research & Extension Center-USDA, Texas A&M AgriLife Research, Temple, TX, USA Jun Zhu, University of Arkansas, Fayetteville, AR, USA Kyle R. Douglas-Mankin, U.S. Fish and Wildlife Service, Washington DC, USA Lie Tang, Iowa State University, Ames, IA, USA Lihan Huang, USDA-ARS, Wyndmoor, PA, USA Lijun Wang, North Carolina A&T State University, Raleigh, NC, USA Lingjuan Wang-Li, North Carolina State University, Raleigh, NC, USA Lingying Zhao, The Ohio State University, Columbus, OH, USA Manoj K. Jha, North Carolina A&T State University, Greensboro, NC, USA Margaret Kalcic, The Ohio State University, Columbus, OH, USA Manuel R Reyes, North Carolina A&T State University, Greensboro, NC, USA Michael W. Van Liew, University of Nebraska, Lincoln, NE, USA Naiqian Zhang, Kansas State University, Manhattan, KS, USA Nalladurai Kaliyan, University of Minnesota, Paul, USA Ning Wang, Oklahoma State University, Stillwater, OK, USA Patricia Bresnahan, University of Connecticut, Storrs, CT, USA Paul Chen, PhD, University of Minnesota, Saint Paul, MN, USA Pei Huang, Wastewater Compliance Systems, Salt Lake City, UT, USA Philip W. Gassman, Iowa State University, Ames, IA, USA Phillip E. Savage, Pennsylvania State University, University Park, PA, USA

Qixin Zhong, University of Tennessee, Knoxville, TN, USA Raj Khosla, Colorado State University, Fort Collins, CO, USA Reginald S. Fletcher, USDA-ARS, Integrated Farming & Natural Resources Research Unit, Weslaco, TX, USA Roger Ruan, University of Minnesota, Saint Paul, MN, USA Ruihong Zhang, University of California, Davis, CA, USA Ruixiu Sui, USDA-ARS, Crop Production Systems Research Unit, Stoneville, MS, USA Ruplal Choudhary, Southern Illinois University, Carbondale IL, USA Shaojin Wang, Washington State University, Pullman, WA, USA Shuangning Xiu, North Carolina A&T State University, Greensboro, NC, USA Shufeng Han, John Deere - Intelligent Solutions Group, Urbandale, IA, USA Shulin Chen, Washington State University, Pullman, WA, USA Soojin Jun, University of Hawaii at Manoa, Honolulu, HI, USA Steven J. Thomson, USDA-ARS, Washington D.C, USA Wade Yang, Alabama A&M University, Normal, AL, USA Wei Gao, Colorado State University, Fort Collins, CO, USA Weilin Wang, Monsanto Company, St Louis, MO, USA Wengiao (Wayne) Yuan, North Carolina State University, Raleigh, NC, USA William Bill Joseph Chancellor, UC Davis, Davis, CA, USA William R Gibbons, South Dakota State University, Brookings, SD, USA William S. Kisaalita, University of Georgia, Athens, GA, USA Xiaofei Ye, University of Tennessee, Knoxville, TN, USA Xinlei Wang, University of Illinois, Urbana-Champaign, IL, USA Xiusheng (Harrison) Yang, University of Connecticut, Storrs, CT, USA Xiuying (Susan) Wang, Texas A&M University, Blackland Research Center, TX, USA Xuejun (Jun) Pan, University of Wisconsin-Madison, Madison, WI, USA Xuesong Zhang, Pacific Northwest National Laboratory, University of Maryland, College Park, MD, USA Yanbo Huang, USDA-ARS, Crop Production Systems Research Unit, Stoneville, MS, USA Yang Tao, University of Maryland, MD, USA Yao-wen Huang, University of Georgia, Athens, GA, USA Yebo Li, Ohio State University, Wooster, OH, USA Yecong Li, Sapphire Energy, Inc., San Diego, CA, USA Yeqiao Wang, CELS-NRS Coastal Institute, Kingston, RI, USA Yi Liang, University of Arkansas, Fayetteville, AR, USA Yifen Wang, Auburn University, AL, USA Yigang Sun, University of Illinois, Urbana-Champaign, IL, USA Yi-Heng Percival Zhang, Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA, USA Yuanhui Zhang, University of Illinois at Urbana-Champaign, Urbana, IL, USA Yuzhou Luo, University of California, Davis, CA, USA Zhen (Jason) He, Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA, USA Zhiming Qi, McGill University, Macdonald Campus, Montréal, QC, Canada Zhongli (John) Pan, USDA-ARS, PWA, WRRC-PFR, Albany, CA, USA Zhuping Sheng, Texas A&M Univ, TX, USA Ziyu Wang, North Carolina State University, Raleigh, NC, USA

Venezuela

Jeszael Alexander Cristopher, Universidad De Oriente, Monagas Branch, Maturín, Monagas, Venezuela

Yemen

Mohammed El-Faki Mozib, University of Sana'a, Sana'a, Yemen